

TRINNOV
AUDIO



ST2-HiFi

HIGH-END ROOM/SPEAKER OPTIMIZER

ACOUSTIC

The weakest element of any high-fidelity system is the room. Typical rooms introduce up to 10dB of distortion in the frequency response. Furthermore, loudspeakers with a perfect impulse response don't exist.

...FIDELITY

The Trinnov ST2-HiFi solves this acoustic equation and takes your high-end system to a whole new level of accuracy, from high-fidelity to acoustic fidelity. Balance and precision become more powerful in the listening experience.

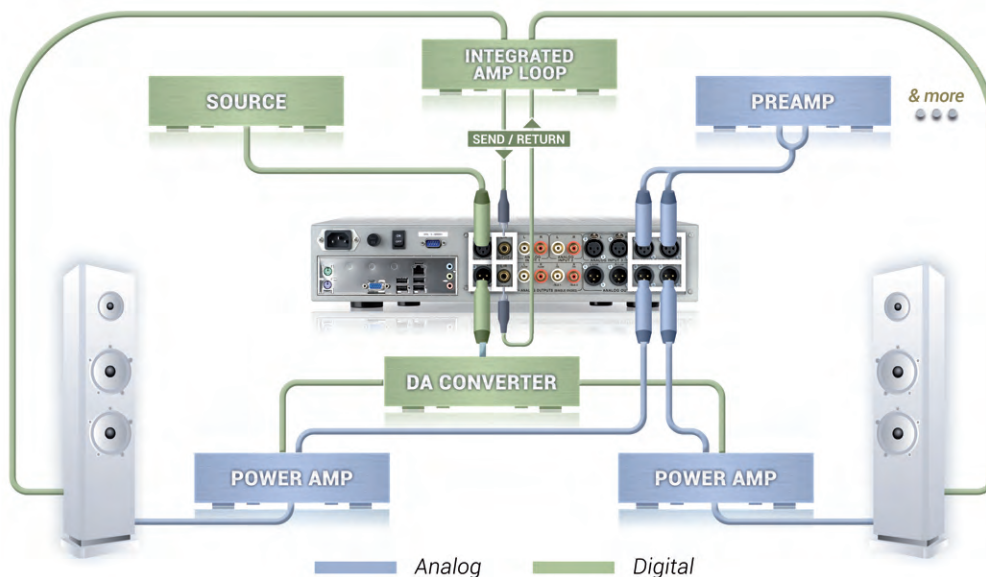
TRINNOV ST2-HiFi

STEREO HiFi



The ST2-HiFi dramatically improves your HiFi installation, from high fidelity to acoustic fidelity.

Integrate the ST2-HiFi in your system seamlessly with any combination of analog and digital input/output.



EASY SETUP

The ST2-HiFi features a step-by-step calibration assistant that allows you to create 5 different compensations very easily. A wide range of options and 29 user presets then allows you to proceed by listen and compare to achieve the best possible performance and fine-tune the system to your taste.



REMOTE CONTROL

The ST2-HiFi can be controlled through the network from a tablet, smartphone or laptop.

MORE THAN 2-CHANNEL

The ST2-HiFi can drive 4 channels simultaneously and features active crossovers as well as bass management to support a variety of systems such as 2.0, bi-amp, 2.1 or 2.2.

TRINNOV OPTIMIZER[®]

LOUDSPEAKER / ROOM
OPTIMIZATION

Super Audio Mastering (Mastering, UK)
Depeche Mode, King Crimson, Nick Cave...

Studio Piccolo (Recording & Mastering, CA)
Céline Dion, Andrea Bocelli...

Over 4000 units are in use worldwide, including 600 in studios and 1000 in commercial cinemas such as:



and many more...

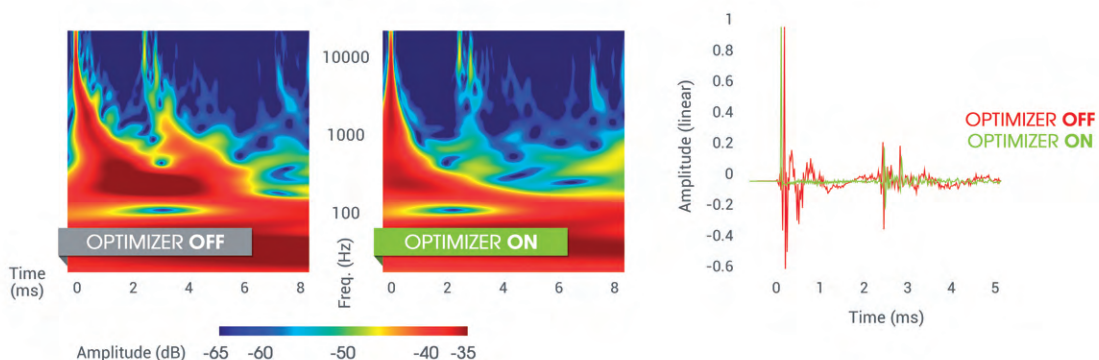
TRINNOV AUDIO'S CORE TECHNOLOGY AND EXPERTISE

For more than a decade, Trinnov Audio has been developing state-of-the-art Loudspeaker/Room Optimization systems for different audio applications, thereby acquiring a solid reputation and unique expertise in that area.

The Optimizer technology relies on Trinnov's unique 3D measurement microphone and advanced time/frequency analysis to identify the different acoustic problems occurring over time in the room. Our algorithms then optimize each element of the acoustic path with the most appropriate method.

The Optimizer determines the required corrections for both the speakers and the room in order to retrieve a coherent sound stage, tonal balance and increased dynamic. Speakers are optimized in amplitude and phase to ensure wavefront coherence while the energy response of the room is judiciously balanced.

Effects of the Optimizer on the Loudspeakers/Room:



SPECIFICATIONS

'Blue Moon Award'
from 6moons.com



HIGH PERFORMANCE AUDIO

RESOLUTION / SAMPLING RATE	ADC: 24 bits/96 kHz DAC: 24 bits/192 kHz
SIGNAL-TO-NOISE RATIO	A/D: 119 dB (A-Weighted) D/A: 118 dB (A-Weighted)
THD+N	ADC: -103 dB DAC: -98 dB
CLOCK / JITTER	Variations <25ps are recovered, jitter attenuation >50 dB is achieved above 100Hz
POWER SUPPLY	Independant for audio and processing sections
SAFETY COMPONENTS	AntiPop relays on each analog output
DESIGN AND ASSEMBLY	All Audio boards designed and manufactured in France by Trinnov Audio

CONNECTIVITY

ANALOG I/O

- 4 single-ended channels inputs via 4 x cinch (10k Ohms)
- 4 single-ended channels outputs via 4 x cinch (100 Ohms)
- 4 balanced channels inputs via 4 x XLR (20k Ohms)
- 4 balanced channels outputs via 4 x XLR (100 Ohms)

AES I/O

- 2 channels input via 1 x XLR (110 Ohms)
- 2 channels output via 1 x XLR (110 Ohms)

S/PDIF

- 2 channels inputs via 1 x cinch (75 Ohms)
- 2 channels outputs via 1 x cinch (75 Ohms)

NOTE: SPDIF, AES, Single-Ended and Balanced Analog outputs are mirrored.

PROCESSING SECTION

PROCESSOR	Intel Dual-Core 1,8 GHz
DATA WIDTH	64 bits, floating point
RAM	1 Go DDR3
STORAGE	Flash Drive 1 GB
COOLING	Custom heat sinks + slow fans
PROCESSING	Max. 4 channels at 96 kHz

PHYSICAL CHARACTERISTICS

CHASSIS	2U (H: 97mm feet included / W:441mm / D: 418mm)
POWER SUPPLY	240V AC / 50-60 Hz. Option: 130V AC
CONSUMPTION	90 W max.
WEIGHT	~ 9,4kg
ENVIRONNEMENT	<ul style="list-style-type: none"> • Operating : 0°C – 40°C (32°F – 104°F) • Humidity : 20% – 80% relative humidity (without condensation)



 PHONE

+33 (0) 147 066 137 (France)

 EMAIL

highend@trinnov.com

 FACEBOOK

facebook.com/TrinnovAudio

 TWITTER

twitter.com/trinnovaudio



www.TRINNOV.com