Inspiration 2

Preamplifier

The Constellation Inspiration 2 Preamplifier incorporates the same core audio circuits as our elite preamplifiers, built into a single-chassis component. Significantly upgraded with a Switch-Mode Power Supply for cleaner, more consistent power than linear power supplies, it also employs the Line Stage Gain Module circuit found in our larger preamplifiers, replicating the sonic qualities that distinguish all Constellation components.

Inspiration 2 *Preamplifier*

The Core Circuitry

The Line Stage Gain Module employs fully balanced, mirror-imaged circuits with hand-matched, ultra-low-noise transistors. A unique servo circuit monitors the signal balance, correcting even minute inconsistencies. Used with a Constellation amplifier, it can feed the preamplifier output to the amplifier's Constellation Direct XLR input, thus bypassing the amplifier's input stage for even purer sound.

The Power Supply

Constellation's Switch-Mode Power Supply (SMPS) provides ideal DC power under any conditions—worldwide—something impossible with traditional, transformer-based linear supplies, and delivering 100 percent of its performance under all conditions. The power produced is more than 20 dB quieter than with a typical linear supply, while effortlessly reproducing hauntingly quiet passages and thrilling dynamic peaks.

True Dual Mono

The mirrored circuit layout positions the left channel precisely opposite the right channel. Inputs and outputs are entirely separated, with the left-channel inputs and outputs on one side of the rear panel and the right-channel inputs and outputs on the other. Many dual-mono preamplifiers recombine the channels at the inputs and outputs, sacrificing the true benefits of the design.

Simple and Uncompromising

While clarity, dynamics, and transparency define its sonic character, the Inspiration 2 Preamplifier is also easy to use. An LCD touchscreen allows fine-tuned, intuitive adjustment, enhanced by an elegant, machined aluminum remote control. The digitally controlled resistor-ladder volume control achieves precision and transparency no potentiometer can match. The Inspiration 2 Preamplifier offers the flexibility of three inputs and two outputs, while its sheer musicality distills the finest attributes of our Revelation 2 Preamplifier into a smaller, more practical component that becomes the control center for the finest audio systems.

Specifications

Inputs: 3 XLR stereo, 3 RCA stereo, 1 USB (for control)
Outputs: 2 XLR stereo, 2 RCA stereo, 12-volt trigger
THD+N: <0.1%, 20 Hz–20 kHz @ 10 V out, <0.001%, 20 Hz–20 kHz @ 2 V out
Signal-to-noise ratio: >105 dB, A-weighted
Input impedance (balanced): 20 kΩ
Input impedance (single-ended): 10 kΩ
Output impedance: <50 Ω
Volume control resolution: 0.5 dB from 0 dB to -90 dBFS
Preamplifier weight: 25 lbs / 11.5 kg
Preamplifier dimensions: 17 x 5.5 x 15 in / 43.2 x 14 x 38.1 cm (WHD)

Specifications subject to change.

Constellation

sales@constellationaudio.com

Switch-Mode
POWER SUPPLY
Precise, Consistent Power Delivery

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