

INSPIRATION ✨ 2

preamp



Inspiration 2 preamp

- Same core circuit as in the Reference 2 series
- Built with hand-selected FETs for ultra-low noise
- C-SMPS power supply for supremely quiet performance
- Full dual-mono design with symmetrical audio circuit layout
- Front LCD touchscreen and remote for maximum versatility and ease of use

The Inspiration 2 Preamp uses the same core audio circuits as our elite preamps, built into a single-chassis component sized to fit into a typical equipment rack. And now we've upgraded it with C-SMPS, for cleaner, more consistent power than legacy linear power supplies can provide.

We based the Inspiration 2 Preamp around the same Line Stage Gain Module circuit found in our other preamps, replicating the sonic qualities that have thrilled reviewers around the world.

THE CORE CIRCUITRY

The Line Stage Gain Module employs fully balanced, mirror-imaged circuits made with hand-matched, ultra-low-noise transistors. A unique servo circuit monitors the signal balance and corrects for even minute inconsistencies.

If you use a Constellation Audio amplifier, you can feed the Inspiration 2 Preamp's output to the amp's Constellation Link input, thus bypassing the amplifier's input stage for even purer sound.



THE POWER SUPPLY

Our Constellation Switched-Mode Power Supply (C-SMPS) provides ideal DC power under any conditions, anywhere in the world—something impossible with traditional, transformer-based linear supplies. So the Inspiration 2 Preamp will always deliver 100 percent of the performance we designed into it.

The power produced by C-SMPS is more than 20 dB quieter than with a typical linear supply, so the Inspiration 2 Preamp goes effortlessly from hauntingly quiet passages to thrilling dynamic peaks.

TRUE DUAL MONO

The circuit layout of the Inspiration 2 Preamp is mirrored, with the left channel built exactly the opposite of the right channel. Inputs and outputs are completely 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 side. Many dual-mono preamps recombine the channels at the inputs and outputs, sacrificing some of the benefit of the design.



CONVENIENT YET UNCOMPROMISED

While clarity, dynamics and transparency were the main goals with the Inspiration 2 Preamp, we also made it easy to use. An LCD touchscreen lets the listener fine-tune the preamp's operation intuitively, aided by an elegant, machined-aluminum remote control. A digitally controlled resistor-ladder volume control achieves precision and transparency no potentiometer can match.

While the Inspiration 2 Preamp offers fewer inputs than our other preamps, its sheer musicality is sustained. It's all the best aspects of our Reference 2 and Performance 2 preamps, distilled into a smaller and more practical component.

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| Inputs | 3 XLR stereo |
| | 3 RCA stereo |
| | 1 USB (for control) |
| Outputs | 2 XLR stereo |
| | 2 RCA stereo |
| | 12-volt trigger |
| THD+N | <0.001%, 20 Hz - 20 kHz @ 2V out |
| S/N ratio | <0.1%, 20 Hz - 20 kHz @ 10V out |
| Input impedance (balanced) | >105 dB, A-weighted |
| Input impedance (single-ended) | 20K Ω |
| Output impedance | 10K Ω |
| Volume control resolution | < 50 Ω |
| Weight | 0.5dB from 0dB to -90 dBFS |
| Dimensions | 25 lbs./11.5 kg |
| | 17"/432mm x 15"/381mm x 5.5"/140mm (WDH) |

Constellation reserves the right to change designs, and/or specifications.

