


INSPIRATION ✦ 2

integrated

 **Constellation**

Inspiration 2 integrated

- Pure Constellation sound in a compact chassis
- 125-watts-per-channel Balanced Bridged amplification
- New C-SMPS power supply for pure, powerful dynamics
- Perfectly balanced Line Stage Gain Module preamp stage
- Two XLR and two RCA inputs plus audiophile-quality head phone amp

The Inspiration 2 Integrated distills our no-compromise technologies into a simple, single component most audiophiles can afford. And now, we've elevated its performance to even higher levels with our proprietary, effortlessly powerful C-SMPS power supply.

This component measures just 5.5 inches high, yet includes all the core technologies our engineers originally developed for our Reference Series products. We've also added an integral headphone amplifier powerful enough to drive any headphones to concert-level volume.

THE POWER SUPPLY

Our new Constellation Switched-Mode Power Supply (C-SMPS) easily outpaces the performance of linear power supplies. Power Factor Correction (PFC) provides perfectly stable power at any AC supply voltage, anywhere in the world, with the voltage and current always in phase no matter what the speaker load, and noise more than 20 dB lower than traditional power supplies. It also boosts the amplifier's power by 20 percent.



A CLASSIC COMBINATION

The Inspiration 2 Integrated starts with our Line Stage Gain Module, a fully balanced preamp with an innovative servo circuit that monitors the continuously corrects any flaws in the signal balance. We built this circuit using hand-matched, low-noise transistors for extraordinarily quiet backgrounds.

The amplifier circuit uses our Balanced Bridged technology, which combines single-ended amplifier modules that are absolutely identical, using only N-type transistors to achieve an effectively perfect signal balance—for effortless musical peaks and the subtlest sonic details. Combined with the C-SMPS, this circuit assures effortless control of any speaker.

CONVENIENCE AND ELEGANCE

The Inspiration 2 Integrated features an LCD touchscreen for easy access to every adjustment, with an elegant, machined aluminum remote control for key functions. Thanks to the resistor-ladder volume control, digitally controlled through a smooth-spinning volume knob on the front panel, the Inspiration 2 Integrated achieves precise channel matching impossible with potentiometers.



FLEXIBLE AND POWERFUL

The Inspiration 2 Integrated includes two features found on few high-end integrated amps. A home theater bypass feature allows the Inspiration 2 Integrated to serve as the centerpiece of a home theater system, while a built-in, audiophile-grade headphone amp provides state-of-the-art sound even with low-sensitivity and high-impedance headphones.

Audiophiles may be shocked when they hear such a compact amplifier deliver effortless dynamics and detail even with the world's most demanding speakers. But we're not surprised. The performance of the Inspiration 2 Integrated is exactly what we've been working toward through our entire history.

	2 XLR stereo
	2 RCA stereo
Inputs	1 USB (for control)
Max power @ 0.1% THD+N, 20Hz-20kHz @ 8 ohm	125W
Max power @ 0.1% THD+N, 20Hz-20kHz @ 4 ohm	220W
Input sensitivity @ power at 0.1% into 8 ohm	15V Direct i/p, 3V non-direct
Input sensitivity @ power at 0.1% into 4 ohm	12.5V Direct i/p, 2.6V non-direct
	1/4"/6.2mm headphone jack
Outputs	12-volt trigger
Frequency response	10Hz - 80kHz +/- 0.05dB
Gain	12 dB
AC power draw - standby	< 0.25W
AC power draw - idle	135W
AC power draw - @ max power in 8 Ω	1300W
AC power draw - @ max power in 4 Ω	1500W
Power factor - partial power	1.00
Power factor - full power	10K Ω to 47K Ω, MM input
Damping factor	64
S/N ratio DC-90kHz Ref 1 volt, A weighted	100dB
S/N ratio DC-90kHz ref full power, unweighted	115dB
S/N ratio DC-90kHz ref full power, A weighted	125dB
Output impedance	< 50 Ω
Weight	35 lbs./16 kg
Dimensions	17"/432mm x 19"/483mm x 5.5"/140mm (WDH)

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



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