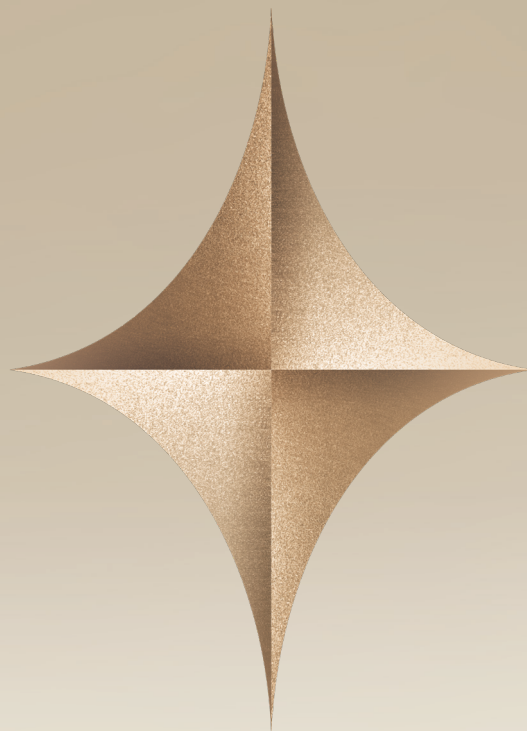




# Inspiration 2

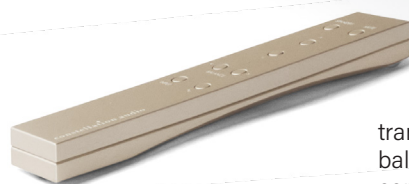
## *Integrated Amplifier*

---

The Constellation Inspiration 2 Integrated Amplifier distills our no-compromise technologies into a single, elegant component. Delivering 125 watts-per-channel of Balanced Bridged amplification, performance is elevated to even higher levels with our proprietary, effortlessly powerful C-SMPS power supply, which incorporates core technologies developed for our most elite amplifiers.



# Inspiration<sup>2</sup> *Integrated Amplifier*



## The Power Supply

Constellation's new Switch-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—worldwide—with voltage and current always in phase regardless of speaker load. With more than 20 dB lower noise, it also boosts amplifier power by 20 percent.

## A Classic Combination

The fully balanced preamplifier's Line Stage Gain Module employs an innovative servo circuit that corrects any flaws in the signal balance. Hand-matched, low-noise transistors ensure extraordinarily quiet backgrounds. The amplifier circuit's Balanced Bridged technology combines identical, single-ended amplifier modules using N-type

transistors for perfect signal balance. The result is effortless control of any loudspeaker, revealing dynamic peaks and the subtlest sonic details.

## Convenience and Elegance

The LCD touchscreen affords easy access to every adjustment, accompanied by an elegant, machined aluminum remote control for key functions. The resistor-ladder volume control, digitally controlled through a smooth-spinning volume knob, achieves precise channel matching impossible with potentiometers.

## Flexible and Powerful

Two features found on few high-end integrated amplifiers include a home theater bypass function, allowing the Inspiration 2 Integrated Amplifier to serve as the centerpiece of a home theater system. A built-in, audiophile-grade headphone amplifier provides state-of-the-art sound even with low-sensitivity and high-impedance headphones.

## Specifications

|                                                                                            |
|--------------------------------------------------------------------------------------------|
| <b>Inputs:</b> 2 XLR stereo, 2 RCA stereo, 1 USB (for control)                             |
| <b>Max power @ 0.1% THD+N, 20 Hz–20 kHz @ 8 Ω:</b> 125 WPC                                 |
| <b>Max power @ 0.1% THD+N, 20 Hz–20 kHz @ 4 Ω:</b> 220 WPC                                 |
| <b>Input sensitivity @ max power at 0.1% into 8 Ω:</b> 15 V Direct i/p, 3 V non-direct     |
| <b>Input sensitivity @ max power at 0.1% into 4 Ω:</b> 12.5 V Direct i/p, 2.6 V non-direct |
| <b>Outputs:</b> 1 XLR stereo, ¼-inch/6.2 mm headphone jack, 12-volt trigger                |
| <b>Frequency response:</b> 10 Hz–80 kHz +/- 0.05 dB                                        |
| <b>Gain:</b> 12 dB                                                                         |
| <b>AC power draw, standby:</b> <0.25 W                                                     |
| <b>AC power draw, idle:</b> 135 W                                                          |
| <b>AC power draw @ max power into 8 Ω:</b> 1300 W                                          |
| <b>AC power draw @ max power into 4 Ω:</b> 1500 W                                          |
| <b>Power factor, partial power:</b> 1.0                                                    |
| <b>Power factor, full power:</b> 10 kΩ to 47 kΩ                                            |
| <b>Damping factor:</b> >64                                                                 |
| <b>S/N ratio DC–90 kHz ref 1 volt:</b> >100 dB, A-weighted                                 |
| <b>S/N ratio DC–90 kHz ref full power:</b> >115 dB, unweighted                             |
| <b>S/N ratio DC–90 kHz ref full power:</b> >125 dB, A-weighted                             |
| <b>Output impedance:</b> <50 Ω                                                             |
| <b>Weight:</b> 35 lbs / 16 kg                                                              |
| <b>Dimensions:</b> 17 x 5.5 x 19 in / 43.2 x 14 x 48.3 cm (WHD)                            |

*Specifications subject to change.*



[sales@constellationaudio.com](mailto:sales@constellationaudio.com)



**C Switch-Mode**  
POWER SUPPLY  
Precise, Consistent Power Delivery