

# MOON EVOLUTION SERIES

## SuperNova CD Player



Also available with black faceplate

The **MOON SuperNova** CD Player is a fully-balanced differential design, representing the next generation of **MOON** high-performance audio components. The **SuperNova** raises the bar on the CD Red Book digital standard, producing an astonishing level of sonic performance with no equal in its price range. This achievement is the result of extensive R&D yielding new proprietary technologies, the use of the very finest electronic parts available and a powerful 24-bit/352.8kHz internal upsampling circuit. Further raising the bar, the **MOON SuperNova** can be fully integrated into a custom-install environment via an RS-232 port. As well, a plethora of user selectable cosmetic options are available at the time of purchase.

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### Significant Design Features:

- Internal upsampling which uses 24-bit/352.8kHz processing
- Ultra high-performance 24-bit BurrBrown PCM1798 DAC/digital filter
- Full unsolicited RS-232 bidirectional feedback
- Separate digital & analog power supplies using 2 independent toroidal transformers
- Digital input for use as a digital-to-analog converter with either a music server or external transport
- **SimLink** controller port allows for 2-way communications between other compatible MOON Evolution Series components
- Power supply voltage regulation includes  $i^2DCf$  (Independent Inductive DC Filtering); There is one inductor dedicated to each integrated circuit type component (DAC, Op-Amp, etc.) in the audio circuit's signal path - 20 stages in all
- A very precise 25PPM digital clocking circuit
- A proprietary 6db/octave analog filter
- Four-layer PCB tracings; Layers 1 and 3 for the audio signals, layer 2 for the ground plane and the bottom layer for power supplies. The advantages include better ground and power supply circuit layouts resulting in a much shorter signal path and dramatically improved signal-to-noise ratio
- Ultra rigid chassis construction to minimize the effects of external vibrations
- Accurate matching of the very finest quality electronic components in a symmetrical circuit design
- Designed to be powered up at all times for optimal performance
- Low operating temperature for a longer than normal life expectancy.