

## MOON EVOLUTION SERIES 750D Digital-to-Analog Converter / CD Transport



Also available with black faceplate

### *Revolutionary Technology ... The world's first true 32-bit asynchronous DAC*

The **MOON 750D Digital-to-Analog Converter / CD Transport** features the most advanced digital technology; The first true 32-bit fully asynchronous digital audio playback system to reach the marketplace. Intended to fulfill the demands of the most discerning music connoisseur, the **750D** is a fully balanced design featuring our new **MAJiC-32** circuitry (an asynchronous jitter elimination system) built around the ESS Sabre<sup>32</sup> Reference Audio DAC. The conversion process uses 8 DAC's per channel working in 32-bit Hyperstream™. The final result is previously unattainable musical reproduction from digital media, be it a CD, computer, music server, etc. In addition, the **MOON 750D** is extremely flexible and exemplifies a luxurious lifestyle.

### *The most realistic and lifelike sound reproduction yet.*

The back panel features a complete array of digital input (4) and output connections (2) to meet all the needs of today's ever-widening technologies. The front panel includes a disc drawer for our own proprietary drive mechanism which represents a fifth input. As well, In the coming months, an optional outboard power supply will be made available to further enhance the already astonishing performance of the **750D**.

Of course, all of the signature features you'd expect in a MOON digital product are present: our revolutionary M-Quattro floating suspension, SimLink, i<sup>2</sup>DCF, just to name a few, as well as both RS-232 and IR ports for custom-install environments. Finally, a plethora of user selectable cosmetic options are available at the time of purchase.

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## Significant Design Features:

- The world's first true **32-bit asynchronous** Digital-to-Analog converter
- RS-232 port for (i) full unsolicited bidirectional feedback and (ii) firmware updates
- IR input for external control
- ESS Technology SABRE32 Reference DAC / Digital Filter (ES9018S) working in 32-bit Hyperstream™ to achieve unprecedented jitter immunity and low-level linearity via a patented Time Domain Jitter Eliminator
- Digital Audio Signal Processing using **M-AJiC-32** (MOON Asynchronous Jitter Control in 32-bit mode)
- Four (4) digital inputs (AES/EBU, S/PDIF, TosLink and USB) allowing for a connection to virtually any digital source
- Proprietary CD drive system mounted on our **M-Quattro** gel-based 4-point floating suspension for vibration damping, allowing ambient & spatial cues in your recordings to come to life like never before – The fifth digital input
- Two (2) digital outputs - AES/EBU and S/PDIF
- Fully balanced differential digital and analog circuitry in a dual-mono design
- Separate digital & analog power supplies using 2 independent toroidal transformers
- **SimLink** controller port allows for 2-way communications between other compatible MOON Evolution Series components
- Power supply voltage regulation includes **i<sup>2</sup>DCf** (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 - 24 stages in all
- A virtually jitter-free - 1 picosecond - digital clocking system
- A very short capacitor-free signal path using a DC servo circuit and proprietary 12dB/octave analog filter
- Four-layer PCB tracings for a 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.