



The MOON 650D follows in the footsteps of the highly acclaimed 750D. Applying what is commonly referred to as trickle-down technology, we have created a product that yields almost all of the 750D's performance, but at a more accessible price-point. True 32-bit fully asynchronous digital audio playback is achieved by the 650D using a fully balanced differential design featuring our own **M-AJiC32** circuitry (an asynchronous jitter elimination system). Built around the ESS SABRE³² Ultra DAC operating in 32-bit Hyperstream™ (ES9016), the conversion process uses an astonishing 8 DAC's per channel. The final result is a product that will breakdown all the barriers, bringing you closer to the music than ever before, regardless of how your digital media is stored, be it on a CD, computer, music server, etc.

The back panel features a complete array of digital input and output connections to meet all the needs of today's ever-widening technologies, allowing for a connection to virtually any digital source. The front panel includes a disc drawer for our own proprietary drive mechanism which represents a fifth input. As well, an optional outboard power supply (**820S**) is available to further enhance the already astonishing performance of the MOON 650D.

Of course, all of the signature features you would expect in a MOON Evolution series digital product are present: our **M-Quattro** floating suspension, **SimLink™**, **i²DCf**, just to name a few, as well as both RS-232 and IR ports for custom-install environments.

Significant Design Features

- ▲ Proprietary CD drive system mounted on our **M-Quattro** gel-based 4-point floating suspension.
- ▲ Separate digital and analog power supplies, each with their own toroidal transformer.
- ▲ Power supply voltage regulation includes **i²DCf** (Independent Inductive DC Filtering); 1 inductor for each and every IC in the audio circuit's signal path – 18 stages in all.
- ▲ Four (4) digital inputs (AES/EBU, S/PDIF, TosLink and USB) allowing for a connection to virtually any digital source.
- ▲ Two (2) digital outputs – AES/EBU and S/PDIF.
- ▲ Fully compatible with **820S** external power supply.

Specifications

Frequency response (full range)	2Hz - 100kHz +0/-3dB
THD @ 1kHz, 0dBFS (A-weighted)	0.0001%
Intermodulation distortion	0.0001%
Dynamic Range	120dB
Signal-to-noise Ratio	120dB @ full output
Channel Separation	116dB
Intrinsic Jitter	1 picosecond RMS
Analog Output @ 0dBFS	2.0 Volts
Analog output impedance	100Ω
Bit-depth range	16 - 24 bits
Sampling frequency rates	44.1 - 192kHz
Shipping weight	35 lbs / 16 Kgs
Dimensions (width x height x depth)	18.75 x 4.0 x 16.8 in. 47.6 x 10.2 x 42.7 cm

Available Finishes



Rear Panel

