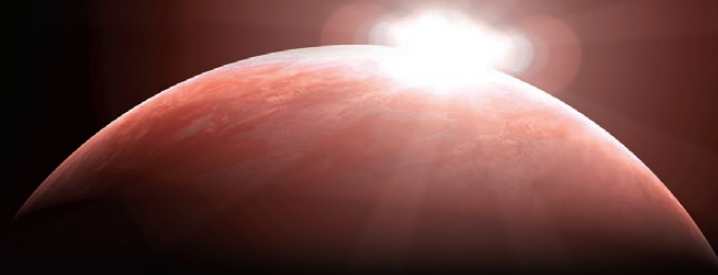


# 360D CD Player



- Program
- Repeat
- Random
- 

9 5.48



M O O N

Standby    Display    Time    Input    Repeat    Prog    Random



M O O N

Power

Emotion

Soul

The MOON 360D Disc Player, companion source component for the 340i Integrated Amplifier, embodies many of the revolutionary technologies found in our highly acclaimed MOON disc players. The 360D uses state-of-the-art digital and analog circuitry to produce astonishing sonic performance, having no equal in its class. With features including a digital input for use with a PC, music server or stand-alone transport, optional balanced analog outputs, a fully customized CD transport mechanism, numerous interfaces for external control and a luxurious build quality, the MOON 360D will provide for many years of listening pleasure and hassle-free use..

Breathe new life into your digital music collection

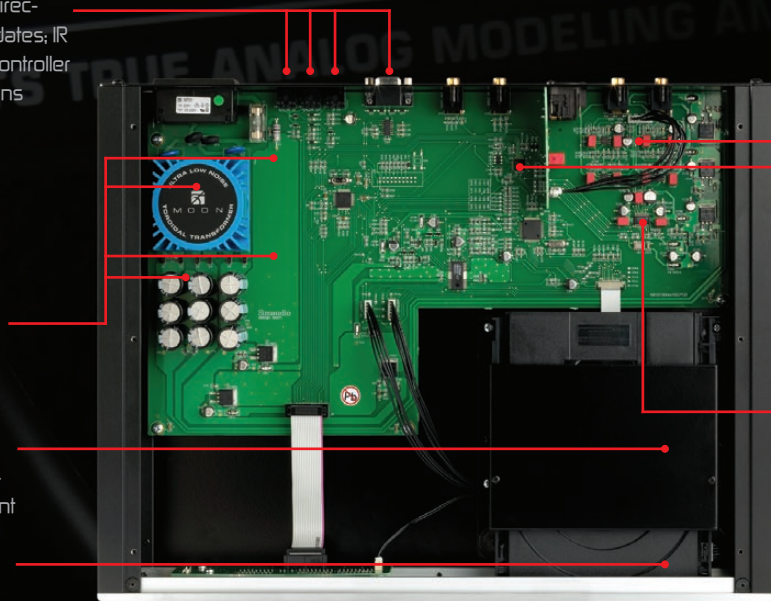


## Significant Design Features

RS-232 port for (i) full unsolicited bidirectional feedback and (ii) firmware updates; IR input for external control; SimLink controller port allows for 2-way communications between other compatible MOON components

Ultra-low noise toroidal transformer driven power supply with 10 stages of DC voltage regulation

Proprietary M-ProDrive transport mechanism mounted on our revolutionary M-Quattro gel-based 4-point floating suspension for vibration damping.



Advanced analog signal path using a DC servo circuit and proprietary 6dB/octave analog filter Jitter Control

Digital Audio Signal Processing using M-AJIC (MOON Asynchronous Jitter Control)

BurrBrown PCM1798 high-resolution 24-bit/192kHz DAC and 8x oversampling digital filter with internal upsampling using 24-bit/411MHz processing

- ▲ Internal upsampling with 24-bit/352.8kHz processing
- ▲ All digital and analog audio circuitry mounted on a single circuit board, each with their own respective ground plane, to minimize signal path lengths and eliminate any potential for interference and signal degradation

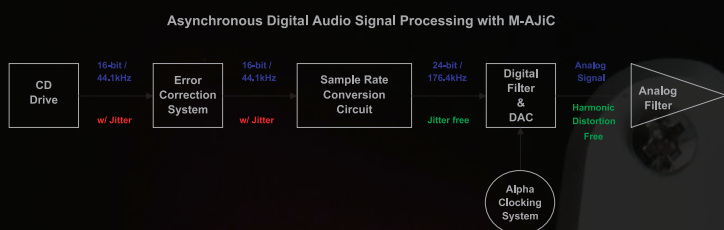
- ▲ PCB w/ pure copper tracings & gold plating that yields low impedance characteristics
- ▲ Optimized selection of very high quality electronic components



Simaudio Ltd. has been designing and manufacturing innovative, leading-edge audio and video products since 1980. MOON products have been globally recognized for their world-class performance, garnering numerous accolades for this outstanding achievement. Our products are engineered and built in Canada, utilizing advanced, efficient, "green" assembly techniques with strict quality control. Furthermore, our manufacturing processes are part of our philosophy, whereas the high quality and long-life of MOON products are the best way to preserve our environment, avoiding premature obsolescence. MOON products meet or exceed all international requirements for safety, performance and durability. At Simaudio, great music matters. However, great music for a lifetime matters most.

## Technical Information

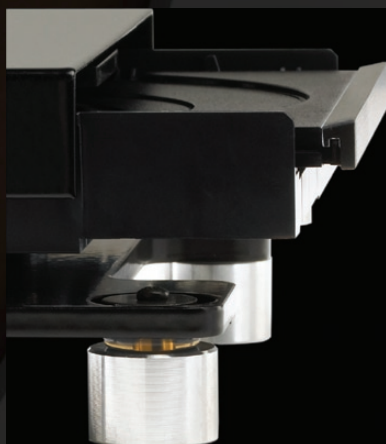
MOON Asynchronous Jitter Control (M-AJIC) reduces the amount of jitter to a level so low, that until recently it was considered a pipe dream. This achievement is the result of a carefully implemented "Sample Rate Conversion" (SRC) circuit, which uses our own Alpha Clocking System only at its final stage (all previous stages work asynchronously). As well, the entire digital audio signal processing circuit is driven by a very precisely regulated power supply and uses a single clocking system which eliminates synchronization issues common to multiple clocking systems:



In the above example, the M-AJIC circuit produces a jitter-free, 24-bit/176.4kHz high-resolution digital audio signal for digital filtering, oversampling and digital-to-analog conversion. Once converted from digital, you have an audio signal that's free of any jitter induced distortion prior to analog signal filtering.

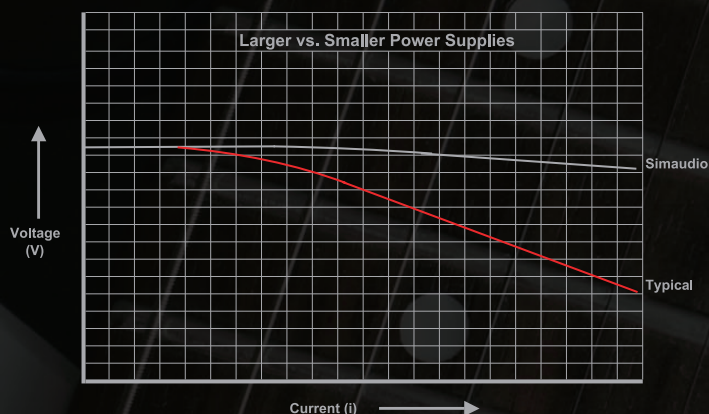
Natural and lifelike music so accurate that you will feel the presence of musicians in your own space.

The M-Quattro suspension acts as a decoupling device between the drive and the CD player's chassis. It is accomplished through the use of a special gel based transport mount that provides for exceptionally accurate mechanical grounding. The main goal here is to dampen the vibrations resulting from both the transport mechanism and the disc's rotation, keeping in mind that the majority of CD's aren't perfectly centered when they are manufactured. The result is virtually total immunity from all external vibrations. Furthermore, this allows the player to better handle



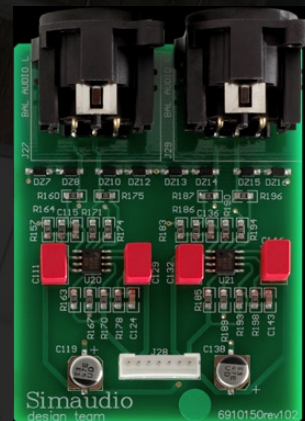
Ambient and spatial cues in your recordings will come to life as you never heard them before.

With a typical power supply, as the current draw increases the available voltage decreases. However, an oversized power supply, such as the one used in the MOON 360D, will minimize this inverse relationship, yielding a voltage level that barely decreases as the demand for current increases. This allows for significantly improved performance.



A greater power reserve results in a more effortless sonic character

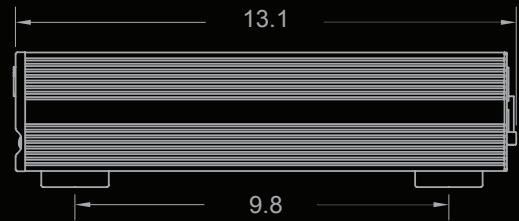
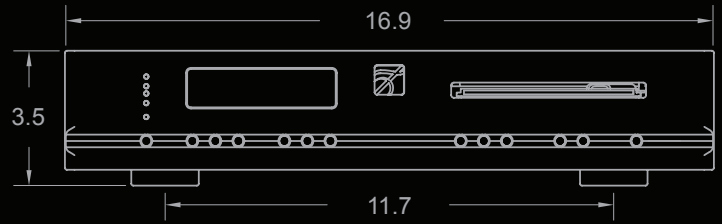
When using an unbalanced interconnect, the audio signal runs through both the center wire and the shield/ground wire. Any noise picked up by this interconnect (ie. nearby magnetic fields such as an AC power cord) will be reproduced by both the preamplifier and amplifier (or integrated amplifier), then heard through the loudspeakers. Conversely, a balanced interconnect has three separate conductors; one for the ground and two for the actual signal. These two signals are identical except that one is 180 degrees out of phase with the other.



For example, when one conductor is carrying a signal of +4 Volts, the other will be carrying a signal of -4 Volts. When these two inverted signals on a balanced line are output from the MOON 360D, any noise picked up by the interconnect will be eliminated since a differential circuit amplifies only the difference between these two signals. Noise on a balanced interconnect will be equal on both conductors and therefore, not be processed.

# 360D Specifications

Configuration	Single-ended / 2-channel
Transport Mechanism	Proprietary Design
Front Panel Controls	Stand by • Display • Time • Input • Repeat Program • Random • Play • Pause • Stop Previous Track • Next • Track • Open/Close
Front Panel Display	Track number • Time (track / disc)
Front Panel LED Mode Indicators	Program • Scan • Random • Repeat
Digital Filter / DAC	BurrBrown PCM1798
Frequency Response (full range)	2Hz - 72kHz +0/-3dB
THD @1kHz, 0dBFS (A-weighted)	< 0.001%
Intermodulation Distortion	< 0.004%
Dynamic Range	> 116dB
Signal-to-noise Ratio	> 115dB @ full output
Channel Separation	> 115dB
Low Level Linearity	±1.0dB to below 120dBFS
Intrinsic Jitter	< 25 picoseconds RMS
Single-Ended Analog Outputs	1 pair RCA
Max. Analog Output @ 0dBFS – RCA	2.0 Volts @ 100Ω
Balanced Analog Outputs	1 pair XLR - <i>Optional</i>
Max. Analog Output @ 0dBFS – XLR	4.0 Volts @ 50Ω - <i>Optional</i>
Digital Input	S/PDIF (RCA) 75Ω @ 0.5 Volts
Digital Output	S/PDIF (RCA) 75Ω @ 0.5 Volts
Remote Control	Full-Function (CRM-2)
Power Consumption @ idle	15 Watts
AC Power Requirements	120V / 60Hz or 240V / 50Hz
Shipping Weight	18 lbs / 8 Kgs
Dimensions (W x H x D, inches)	16.9 x 3.5 x 13.1

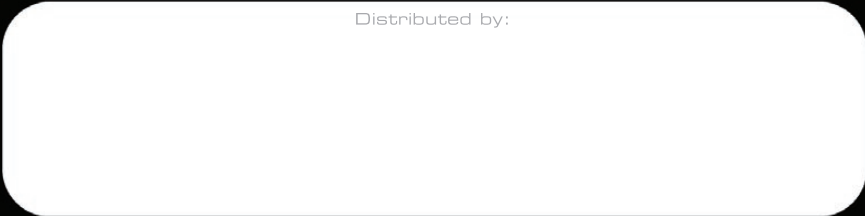


Specifications subject to change without notice



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