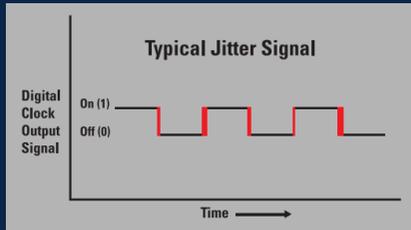


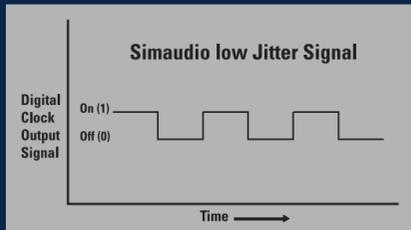
Technical information

CD-1 Specifications

| | |
|---|--|
| Front Panel Controls | Play • Pause • Stop • Previous Track Next Track • Open/Close |
| Front Panel Display | Track number • Time (track/disc) LED Indicators for modes: Programming Random • Repeat |
| CD Drive System | In-house proprietary design |
| Digital Filter / Digital-to-Analog Converter | BurrBrown PCM1793 |
| Frequency Response | 2Hz - 72kHz +/-3dB |
| THD @ 1kHz, 0dBFS (A-weighted) | < 0.002% |
| Intermodulation Distortion (IMD) | < 0.005% |
| Dynamic Range | > 110dB |
| Signal-to-noise Ratio | > 110dB @ full output |
| Channel Separation | > 106dB |
| Intrinsic Jitter | < 300 picoseconds RMS |
| Analog Output | 1 pair Single-ended RCA's |
| Analog Output Impedance | 100Ω |
| Max. Analog Output @ 0dBFS - Standard | 2.0 Volts RMS |
| Digital Output | S/PDIF RCA |
| Digital Output Impedance - S/PDIF | 75Ω (0.5 Volts) |
| Standard Remote Control | Full-Function (CRM) |
| Power Consumption @ idle | 15 Watts |
| AC Power Requirements | 120V / 60Hz or 240V / 50Hz |
| Shipping Weight | 14 lbs / 6.25 kgs |
| Dimensions (W x H x D, inches) | 16.875 x 3.5 x 12.83 |
| Specifications subject to change without notice | |

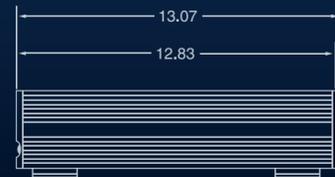


When the width of the digital impulses (horizontal lines) are not equal, then the phasing between the impulses (vertical lines) will vary noticeably in width, resulting in significant phase errors.



When the width of the digital impulses are identical, then the phasing between the impulses will all have same width, resulting in extremely low phase errors.

High frequencies never sounded so natural... cymbals so life-like that you'll want to reach out and touch them... a genuinely non-fatiguing sound without even a hint of digital grain.



Also available with black faceplate.

MANUFACTURED IN CANADA

Distributed by:



M O O N

Simaudio Ltd.: 95 Chemin du Tremblay, Unit 3, Boucherville, Quebec CANADA J4B 7K4
Simaudio Ltd.: 2002 Ridge Road, Champlain, NY 12919 USA

(877) 980-2400
info@simaudio.com

(450) 449-9947
www.simaudio.com

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Graphic Design: Art+Image Communication Design Inc.

M O O N CD-1 CD Player • i-1 Integrated Amplifier



M O O N

The leading edge in music & film reproduction

The **MOON CD-1 Player** sets a new benchmark for “entry-level” high-performance CD Players; The most affordable **MOON** digital player to date, it offers all of the sonic hallmarks that have allowed Simaudio CD players to reach legendary status. Borrowing on technologies found in both our Classic series and Evolution series players, the CD-1 offers an analog, life-like sonic character so convincing that you’ll feel as if

you’re attending a live musical event, time and time again.

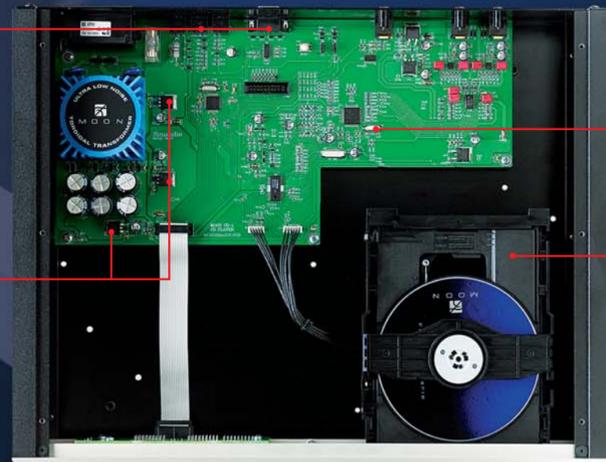
With features such as a large and easy-to-read display, an IR input, a RS-232 port, and an industrial build quality, the **MOON CD-1** will provide for many years of listening pleasure and hassle-free use.



MOON CD-1 CD Player Significant Design Features

RS-232 port for full unsolicited bidirectional feedback in custom installation setups & firmware updates; IR input for external control; and SimLink™ controller port for 2-way communications between other compatible MOON components.

Ultra-low noise toroidal transformer driven power supply with 8 stages of DC voltage regulation.



Accurate digital clocking system for exceptionally low intrinsic jitter levels.

Proprietary CD drive system with in-house developed hardware & software.

The **MOON i-1 Integrated Amplifier**, like all of its predecessors, offers exceptional sonic performance and genuine ease-of-use. Laden with features for the discerning music lover including a front-mounted mini-jack input for portable music players, an IR input, and an RS-232 port, the **MOON i-1** bolsters a high-current continuous power output of 50 watts per channel into 8 ohm and 100 watts into 4 ohm.

As the center piece of your home-entertainment system, the **MOON i-1** offers exceptional value, easily providing more features and better performance than anything else in its class.

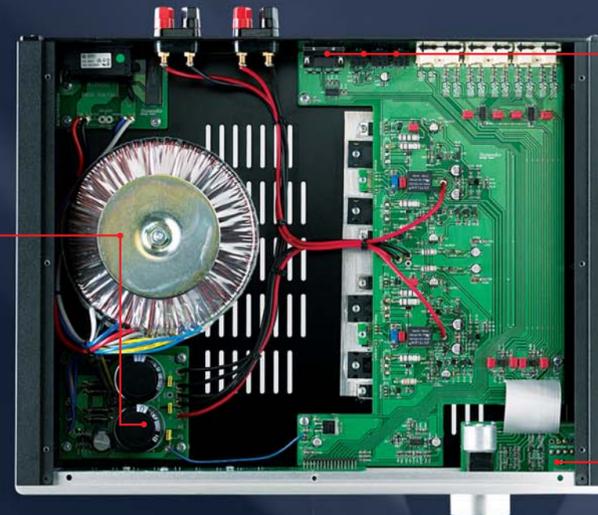


MOON i-1 Integrated Amplifier Significant Design Features

A massive power supply using a large custom toroidal transformer.

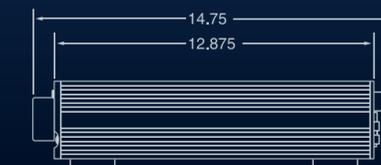
RS-232 port for full unsolicited bidirectional feedback in custom installation setups & firmware updates; IR input for external control; and SimLink™ controller port for 2-way communications between other compatible MOON components.

Headphone output on standard 1/4" jack located on the front panel.



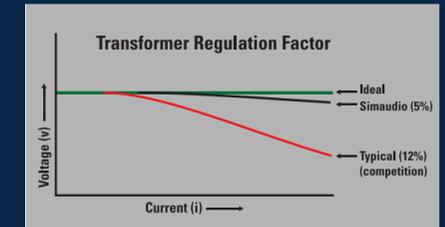
i-1 Specifications

| | |
|---|--------------------------------|
| Power Supply Transformer | 320VA |
| Power Supply Capacitance | 20,000µF |
| Class of Operation - Amplifier | Class A/B |
| Number of inputs | 5 (RCA) and 1 Mini-jack (1/8") |
| Input Sensitivity | 370mV – 3.0V RMS |
| Input Impedance | 11,000Ω |
| Tape Output - Fixed | 1 (RCA) |
| Preamplifier output - Variable | 1 (RCA) |
| Headphone output | 1 (1/4" Stereo Jack) |
| Output Power @ 8Ω / @ 4Ω | 50 watts/ch / 100 watts/ch |
| Output Impedance | 0.04Ω |
| Damping Factor (static) | > 200 |
| Signal-to-noise Ratio | 101dB @ full power |
| Max. Output Current | 15A Peak / 9A Continuous |
| Frequency Response | 10Hz - 100kHz +0/-3dB |
| Intermodulation Distortion (IMD) | < 0.05% |
| THD (20Hz - 20kHz @ 1 watt / @ 50 watts) | < 0.015% / < 0.02% |
| Remote Control | Full-Function (CRM) |
| Power Consumption at idle | 11 Watts |
| AC Power Requirements | 120V / 60Hz or 240V / 50Hz |
| Shipping Weight | 22 lbs / 10 kgs |
| Dimensions (W x H x D, inches) | 16.875 x 3.5 x 14.75 |
| Specifications subject to change without notice | |



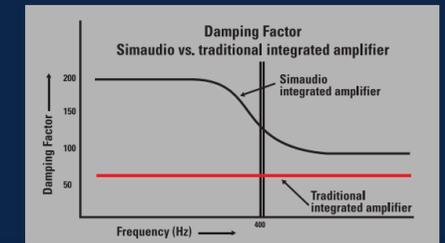
Technical information

A power supply transformer with a low regulation factor assures that power into more difficult speaker loads will be delivered closer to the theoretical ideal. These transformers are significantly more expensive, but are the only way to assure stability and consequently excellent sound quality under all conditions.



The three response curves above demonstrate (i) a theoretically perfect transformer regulation factor of 0% (green), whereby voltage remains stable regardless of the current draw, (ii) a very low regulation factor of 5% (black), found in MOON amplifiers, where the voltage drops very slightly as the current draw increases and (iii) a typical regulation factor of 12% (red), whereby, as the current draw increases, power supply voltage drops significantly.

A high damping factor ensures an excellent “grip” on woofer cone motion, which reduces overshoot, and unwanted oscillations. Also greatly improving immunity to variations in quality and length of speaker cables used.



A great deal more energy from an integrated amplifier is required to reproduce musical information below 400Hz. Amplifiers with a low damping factor (and higher output impedance) have to work harder to produce this energy. The majority of integrated amplifiers possess a damping factor in the range well below 100 (red), as shown above. Simaudio integrated amplifiers operate with very low output impedances (typically <0.04 ohms), therefore yielding a damping factor greater than 200 in the all-important sub-400Hz range.

Significantly better dynamics result in a much more powerful and authoritative bottom-end... The immense energy of a full symphony orchestra comes to life in your own home.