

M O O N Evolution Series



The leading edge in music & film reproduction



M O O N



The MOON Evolution series epitomizes Simaudio's relentless quest for perfection. Finally, the rare privilege of enjoying lifelike music and film performances in the comfort of your home is now possible. Listening to them is an ethereal revelation, best described as a mesmerizing experience without equal.



## What is evolution?

The enhancement of quality of life. Since the first phonograph, we have aspired to harness the elusive qualities that define the true emotion of a live performance.

Today's fast-paced lifestyle demands avenues of escape; what better way than a state-of-the-art, sophisticated yet uncomplicated reference music system. The answer; The MOON Andromeda CD Player, MOON P-8 Preamplifier and MOON W-8 Power Amplifier.

REFINED

SOPHISTICATED



**MOON Andromeda CD Player**

The **MOON Andromeda** encompasses the most advanced technology available to extract every last bit of information from your music collection with all its natural realism intact. Simply put, accurate musical reproduction as it was intended to be heard by the recording artist. Rhythm and pace so natural that listening will be nothing short of exhilarating.

This accomplishment is the result of several new technologies pioneered by the engineering & design team at Simaudio. The **Alpha** Clocking system ensures that jitter is virtually non-existent. As a result, high frequency reproduction is so natural and timbre is so real that you want to reach out and touch it. Our proprietary **Delta** transport suspension, in conjunction with an extremely rigid chassis, makes the **Andromeda** immune to it's operating environment, yielding more accurate and articulate bass, and a natural air around instruments. Finally, our exclusive **i<sup>2</sup>DCf** (Independent Inductive DC Filtering) circuit, with 56 individual stages, brings dynamic range closer to reality than ever before.

Listening to your favorite recordings will become an emotional experience paramount to the very first time you ever heard them.



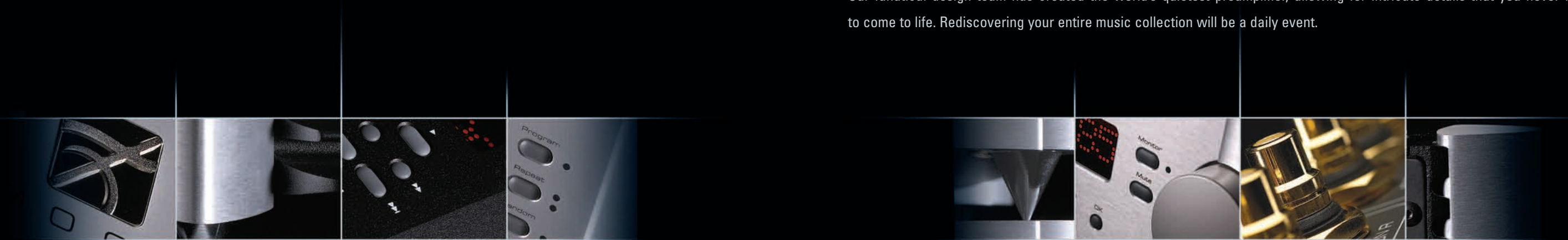
**MOON P-8 Preamplifier**

The **MOON P-8** sets a new standard for preamplifiers that until now would have been unattainable.

This state-of-the-art preamplifier provides flexibility and convenience that are second to none with programmable features that will continue to impress you for many years. Each input has its own gain adjustment, allowing for the equalization of levels for all your different source components. As well, you can assign a custom name to each of these inputs. Finally, our **M-Lock** circuit allows you to program a maximum volume level for each individual input, preventing you from damaging your speakers.

Unconventional creative design: The **MOON P-8's** delicate and precise audio circuitry is housed by itself in a separate shielded chassis. The power supply and controller are contained in a second chassis. Such a sophisticated approach requires complex communication between the controller, the power supply and the audio circuitry. The **P-8** is the supreme expression of these technologies, giving you the ultimate in musical enjoyment.

Our fanatical design team has created the world's quietest preamplifier, allowing for intricate details that you never heard before to come to life. Rediscovering your entire music collection will be a daily event.



**POWERFUL**



### **MOON W-8 Power Amplifier**

The **MOON W-8** represents the pinnacle in power amplifier design. Possessing enormous dynamic capability and tremendous speed, it will reproduce your music with explosive and remarkable agility.

Our proprietary **Lynx** circuitry is responsible for this amplifier's phenomenal speed, detail and accuracy, yielding an extremely natural sound. The full dual-mono balanced design assures pinpoint imaging with optimal separation and placement of instruments. The huge power supply and overwhelming output stage will effortlessly control any loudspeaker, resulting in fast transients, visceral tight bass, and accurate instrument timbre.

No stone is left unturned; The **MOON W-8** is a true the state-of-the-art power amplifier - no other stereo amplifier comes remotely close.



*Listening to a music system built around the MOON Evolution series will send shivers up your spine, transporting you closer to the performance than ever before.*

## Rear view



MOON Andromeda



MOON P-8



MOON W-8

## MOON EVOLUTION SERIES C<sup>4</sup> Aesthetics Grid

CHASSIS SECTION	STANDARD FINISH	OPTIONAL FINISH
Faceplate	Silver or Black	
MOON Logo	Chrome	Gold or Pewter
Leg Cones	Chrome	Gold
Curved Cheeks	Silver	Black

## MOON Andromeda Significant Design Features and Benefits:

Internal 24-bit/705.6kHz upsampling with 16X oversampling • RS-232 bi-directional port with unsolicited feedback compatible with leading external control and automation systems • **SimLink** controller port allowing for 2-way communications between other compatible MOON Evolution series components • Separate digital and analog power supplies housed in an external chassis • Top loading drawer with custom design disc clamping mechanism for improved stability and long term reliability • Digital input for use as a digital-to-analog converter with other digital products • 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 - 56 stages in all • Proprietary 6dB/octave analog filter • Four-layer PCB tracings that yield better ground and power supply circuit layouts resulting in a much shorter signal path and dramatically improved signal-to-noise ratio.

## Specifications:

Configuration	Dual-mono / Fully Balanced Differential	Intrinsic Jitter	< 10 picoseconds
Power Supply	3 custom proprietary toroidals transformers: one each for the analog and the digital circuitry	Analog Outputs – Balanced	1 pair XLR
Transport Mechanism	Philips CD-Pro 2 M	Max. Analog Output @ 0dBFS – XLR	4.0 Volts @ 50 ohms
Digital Filter	BurrBrown DF1704	Analog Outputs – Single-ended	1 pair RCA
Digital-to-Analog converters	BurrBrown PCM1704uk (4)	Max. Analog Output @ 0dBFS – RCA	2.0V @ 50 ohms
Frequency Response (audible)	20Hz – 20kHz +0/-0.1dB	Digital Input	S/PDIF (BNC)
Frequency Response (full range)	5Hz – 56kHz +0/-3dB	Digital Outputs	S/PDIF (BNC) and AES/EBU (XLR)
THD @ 1kHz, 0dBFS (A-weighted)	< 0.001%	Remote Control	All-Aluminum Full-Function
IMD	< 0.003%	Display Type	8 character dot matrix LED
Dynamic Range	> 120dB	Power Consumption at idle	25 watts
Signal-to-noise ratio	> 125dB at full output	AC Power Requirements	120V / 60Hz or 240V / 50Hz
Channel Separation	> 118dB	Shipping weight	77 lbs / 35 kgs
Low Level Linearity	< ±0.5dB at -90dBFS	Dimensions – CD Player	18.75" (w) x 5.5" (h) x 16.5" (d)
		Dimensions – Power Supply	18.75" (w) x 4.0" (h) x 16.5" (d)

Specifications subject to change without notice.

## MOON P-8 Significant Design Features and Benefits:

RS-232 bi-directional port with unsolicited feedback • **SimLink** controller port • 2-chassis design with the larger chassis housing the power supply, digital controller circuitry, software processing and the LCD display. The smaller chassis contains ONLY audio circuitry • Fully differential, no global feedback circuit topology, using absolutely no capacitors anywhere in the audio signal path • Individual "gain offset" for each individual line input with a ±10dB range • Each line input is fully configurable to be "home-theater ready", where the gain control section of the P-8 is bypassed • Discrete **M-Ray** gain circuitry with 530 individual volume steps in 1dB and 0.1dB increments • Power supply voltage regulation includes 40 stages of **i<sup>2</sup>DCf** • Four-layer PCB tracings.

## Specifications:

Configuration	Dual-mono / Fully Balanced Differential	Gain	9dB
Power Supply Transformers	3 custom proprietary toroidals transformers: 2 for audio circuitry and 1 for the digital controller	Signal-to-noise Ratio (20Hz - 20kHz)	130dB at full power
Class of Operation	A	Maximum Output Voltage (XLR)	12 Volts
Design	Open loop	Maximum Output Voltage (RCA)	6 Volts
Balanced Inputs (XLR)	3 pairs	Frequency Response	5Hz – 100kHz +0/-0.1dB
Single-ended Inputs (RCA)	5 pairs	Crosstalk @ 1kHz	-130dB
Input Sensitivity	200mV – 4.0V RMS	IMD	unmeasurable
Input Impedance	11,000 ohms	THD (20Hz - 20kHz)	0.002%
Monitor Loop	1	Remote Control	All-aluminum full-function
Balanced Outputs (XLR)	2 pairs	Display Type	8 character dot matrix LED
Single-ended Outputs (RCA)	2 pairs (variable & fixed)	12 Volt Trigger	2 outputs
Output Impedance	50 ohms	Power Consumption at idle	25 watts
Volume Steps	1.0dB from 0 - 30 0.1dB from 30 - 80	AC Power Requirements	120V / 60Hz or 240V / 50Hz
Gain Control	M-Ray (fully discrete R-2R)	Shipping weight	74 lbs / 33 kgs
		Dimensions – Preamplifier	18.75" (w) x 4.0" (h) x 16.5" (d)
		Dimensions – Controller	18.75" (w) x 5.5" (h) x 16.5" (d)

Specifications subject to change without notice.

## MOON W-8 Significant Design Features and Benefits:

RS-232 bi-directional port with unsolicited feedback • Precision matched and fully decoupled Bipolar output devices which offer superb linearity throughout the entire audio frequency spectrum • An over-sized power supply • A high damping factor yielding superior musical dynamics, improved signal speed and refined timbre accuracy • A very short capacitor-free signal path for a faster transient response • Stable to any known speaker impedance • Four-layer PCB tracings.

## Specifications:

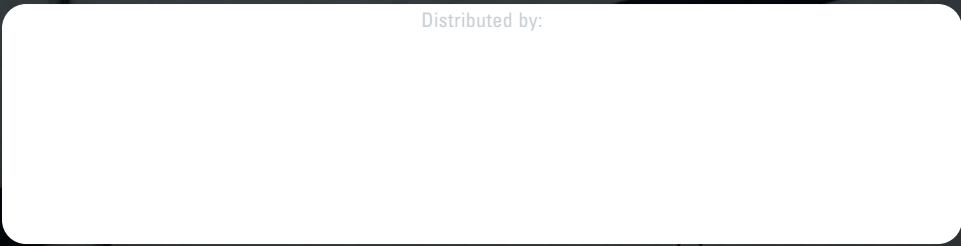
Configuration	Dual-mono / Fully Balanced Differential	Gain	33dB
Power Supply Transformers	2 x 1.3kVA	Dynamic Headroom	6dB
Power Supply Capacitance	240,000µF	Signal-to-noise Ratio	106dB at full power
Class of Operation	A / AB	Maximum Output Voltage	50 Volts
Balanced Inputs	XLR – 1 pair	Slew Rate	42V/µs
Single-ended Inputs	RCA – 1 pair	Maximum output current	64A
Input Impedance	47,500 ohms	Crosstalk @ 1kHz	-105dB
Input Sensitivity	1050mV	IMD	unmeasurable
Output Device Type	Bipolars – 16 per channel	THD (20Hz - 20kHz) @ 1 watt	0.015%
Output Binding Posts	WBT – 2 pairs per channel	THD (20Hz - 20kHz) @ 250 watts	0.04%
Output Power @ 8 ohms	250 watts	12 Volt Trigger	1 input
@ 4 ohms	500 watts	Power Consumption at idle	50 watts
@ 2 ohms	1000 watts	AC Power Requirements	120V / 60Hz or 240V / 50Hz
Frequency Response	10Hz – 200kHz +0/-3dB	Shipping weight	95 lbs / 42 kgs
Output Impedance	< 0.01 ohms	Dimensions	18.75" (w) x 7.5" (h) x 16.5" (d)
Damping Factor (static)	> 800		

Specifications subject to change without notice.



MANUFACTURED IN CANADA

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