



M O O N

Power

Emotion

Soul



MC-8 Multi-Channel Power Amplifier

Available in configurations ranging from 2 to 7 channels, the **MOON MC-8** was designed with one overwhelming goal in mind: the uncompromising reproduction of both the massive dynamics and awe-inspiring sonics that accompany today's numerous uncompressed multi-channel audio recordings (Blu-Ray). To accomplish this feat and the numerous engineering challenges that go with it, a whole new approach to the design of multi-channel amplification was required.



Relying on many technologies found in our highly-acclaimed Evolution Series power amplifiers, many physical and electrical constraints had to be overcome to create a multi-channel amplifier where all 7 channels would be capable of identically staggering performance. The result is the **MOON MC-8** which can produce a maximum continuous power output of 250 watts per channel into 8 ohms, 500 watts per channel into 4 ohms and 1000 watts per channel into 2 ohms, generating a mind-numbing ultra-high-current output signal of 280 amperes spread across 7 channels.

Unlike most multi-channel amplifiers, the **MC-8's** sonic performance is uncompromised by the number of installed channels. This is due in part to the massive power supply, as well as a modular & open architecture design. Additional channel modules can be added quite easily well after the initial purchase.

The **MOON MC-8** is a fully balanced differential amplifier. The nature of this circuit topology eliminates virtually any noise that is picked up from the typically long interconnect cable runs found in high-performance multi-channel applications.

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Each individual channel in the MOON MC-8 has a self-diagnostic circuit that continuously monitors for both (i) DC on the input signal and (ii) over-heating of its electronic components. If either of these two scenarios occur, then the red LED's, located on the front panel, will begin to flash and the effected channel(s) will immediately shutdown. This further exemplifies the true modular design of this unique amplifier.

The MC-8 is leaps beyond anything else available, even our own MOON Titan. A quick listen will reveal a level of sound purity, sheer power and limitless dynamics that no other multi-channel power amplifier has ever been able to attain, let alone even hint at. The MOON MC-8 is a technological tour-de-force and a genuine masterpiece that has no equal.



Significant Design Features:



- An enormous power supply featuring a proprietary toroidal transformer design that allows for astonishing dynamics from Blu-Ray soundtracks
- The world's first and only multi-channel amplifier capable of simultaneously handling 7 channels of uncompressed audio without any dynamic compression
- Proprietary MOON Bipolar output transistors with unprecedented gain linearity resulting in improved bass response and even more accurate sonic reproduction
- Class "A" output to 5 watts for greater efficiency and refined sonics at typical listening levels
- Extremely fast circuitry for real-time amplification
 - Modular circuit design using plug-in cards for the addition/removal of channels "in the field"
 - Virtually non-existent intermodulation distortion
 - Balanced differential circuitry
 - A very high damping factor yielding extremely tight, accurate and fast reproduction of bass notes
 - Very short signal path for a faster transient response
 - Requires a 220-240V AC power outlet
- Low operating temperature for an exceptionally long life.
- Accurate matching of the highest quality electronic components
- Ultra rigid chassis construction to minimize the effects of external vibrations
- RS-232 port for full custom external control and 12 Volt trigger for remote operation

Specifications:

Configuration	2 to 7 channels
Power Supply Transformer	3.0kVA
Class of Operation	A/AB
Input Impedance	24,900Ω
Input Sensitivity	1420mV RMS
Output Power at 8Ω	250 watts/channel
Output Power at 4Ω	500 watts/channel
Frequency Response	10Hz - 100kHz +0/-3.0dB
Output Impedance	0.01Ω
Signal-to-Noise Ratio	105dB @ full power
Intermodulation Distortion	Unmeasurable
THD (20Hz - 20kHz) @ 1W / 250W	< 0.02% / < 0.05%
Available Faceplate Finishes	Black and Silver
Power Consumption	85 watts
Shipping weight	240 lbs / 108 Kg
Dimension (W x H x D).....	17.4" x 13.4" x 21.0"

Features and specifications are subject to change without notice.

