

S T A T E O F H E A R T



THE GRYPHON M100 AMPLIFIER



GRYPHON M100 MONOBLOCK POWER AMPLIFIER FEATURES

- Fully balanced input
- High current bipolar output transistors
- Flat frequency response to beyond 300 kHz
- Short signal path with no internal wiring except custom Cardas cable to outputs
- Zero negative feedback
- Custom-built toroidal transformer
- 16 individual custom-built power capacitors
- Frequency-independent damping factor
- Rigid mechanical structure
- Unique, non-invasive protection system
- Double sealed, mil. spec. PCB with 105 mU copper traces
- DC or AC coupling

Gryphon launched the long-awaited DM100 dual mono stereo amplifier as an uncompromising contender for high end supremacy with state of the art sound quality and a distinctive design. Following the audiophile community's resounding response to the Gryphon DM100, the Gryphon design team set out to create the M100 monoblocks. From the beginning the Gryphon M100 was conceived as a unique product in its own right, not as a miniaturized version of the DM100.

The M100 shares many of the musical qualities of the DM100, employing the same high current bipolar output devices. You will find the M100 uniquely revealing of the performance of source components, loudspeakers and interconnects. Its high resolution, precise soundstaging and extreme transparency across the audible frequency range unveil new layers of detail and reveal previously hidden interpretive nuances.

Gryphon's unique library of more than 1,000 first or second generation master tapes from Decca's golden age was also employed constantly during the development of the M100. As an evaluative tool these tapes are indispensable in fine-tuning the performance of every Gryphon product, as they represent the closest approximation to the live performance which for Gryphon remains the only reliable reference.

GRYPHON TOPOLOGY

The monoblock configuration of the M100 takes the Gryphon dual mono concept of two electrically independent audio channels to its ultimate extreme. The elimination of

inter-channel interference, crosstalk, power supply interaction and other intrusive phenomena results in rock-steady three-dimensional soundstaging and stunning image-focusing capabilities in the Gryphon M100.

Another key point in Gryphon topology is ultra-wide frequency bandwidth. In the Gryphon M100 frequency response extends beyond 300 kHz. This ensures perfect phase characteristics which are essential to correct soundstage reproduction. Broadband frequency response is also an indication of the high slew rate of every Gryphon gain stage.

The damping factor of the Gryphon M100 is constant across the entire audible frequency range, whereas most amplifiers specify damping factor only at 1 kHz. The frequency-independent damping factor of the Gryphon M100 ensures consistency of performance.

The Gryphon M100 features a sophisticated protection system which will cause the M100 to mute and the illuminated Gryphon logo to blink during start-up and in the presence of DC, short circuit, overheating, LF or HF until safe operating conditions are restored.

Each monoblock is fitted with two pairs of loudspeaker terminals to facilitate bi-wiring.

EXTERIOR DESIGN

The sleek, discrete exterior of the M100 stands as a refreshing alternative to the macho powerhouse school of amplifier one-upmanship where, typically, an inordinate proportion of the allocated resources are invested in flashy cabinetry, whose look will be as dated as the product's sound in a very short time.

The functional and understated elegance of the Gryphon M100 is a bold departure in high end design.

Should you require additional information, please accept our cordial invitation to visit the showroom of your authorized Gryphon dealer. A select number of audio salons whose staff share our commitment to audio excellence have been appointed to guide you on your way to the Gryphon experience. With their expert assistance, you'll no longer be listening to hi-fi. You'll be listening to music.

GRYPHON M100 TECHNICAL SPECIFICATIONS

Power Output (Continuous):

- 100W, 8 Ohm
- 200W, 4 Ohm
- 400W, 2 Ohm

Power Output (Peak):

- 275W, 8 Ohm, 1 kHz
- 559W, 4 Ohm, 1 kHz
- 1,100W, 2 Ohm, 1 kHz
- 2,000W, 1 Ohm, 1 kHz

Sensitivity:

- 1V (100W/8 Ohm)

Gain:

- 29 dB (100W/8 Ohm)

Signal/Noise Ratio:

- 111 dB, IHF A (100W/8 Ohm)

Input Impedance:

- 50 kOhm (Balanced)

Frequency Response:

- 2Hz-300kHz ± 1.5 dB (1W/8 Ohm)

THD:

- 0.05% (100W/8 Ohm)
- 0.08% (100W/4 Ohm)

Output impedance:

- 0.15 Ohm (2Hz-60kHz)

Power Consumption:

- 50W, idle

Voltage:

- 100-120V $\pm 10\%$ / 200-240V $\pm 10\%$

Protection:

- Input: HF, DC, LF
- Output: Short Circuit, DC, SOAR
- Overheat: Transformer, Heatsink

Weight:

- 18 kg (each)

Dealer/Distributor

