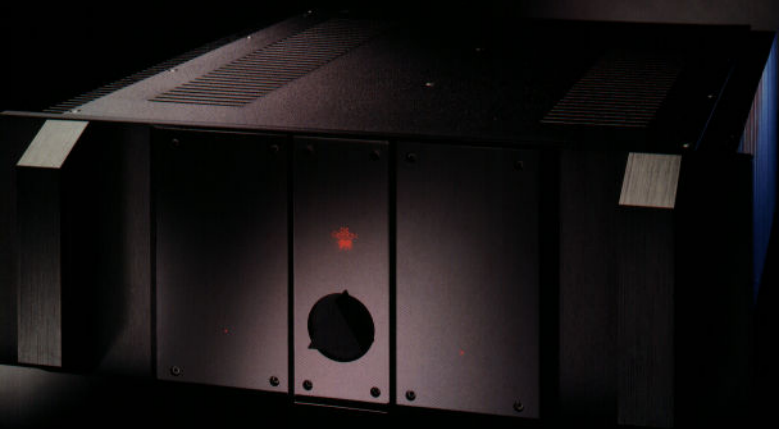


STATE OF HEART

THE
GRYPHON



GRYPHON S100 STEREO POWER AMPLIFIER

FEATURES:

- Dual mono configuration
- Fully balanced input stage
- High current bipolar output transistors
- Fully discrete circuitry
- Select premium-grade components
- Custom-built power capacitors
- Double sealed, mil spec PCB
- Short signal path with minimal internal wiring
- Independent regulated power supplies.
- Flat frequency response to beyond 350kHz
- Zero negative feedback
- Frequency-independent damping factor.
- Non-resonant mechanical structure
- Non-invasive protection system
- Two year warranty

The Gryphon S100 power amplifier is conceived and created to partner the finest loudspeakers, including those which present a complex frequency-dependent low impedance load to the power amplifier.

For smooth handling of even the most vicious reactive loads and complex phase angles, the Gryphon S100 amplifier is designed to effortlessly deliver the high current required to drive low impedances. The sonic benefits include new levels of refinement, detail and dynamics to enhance your listening pleasure. The Gryphon S100 achieves these goals through the judicious deployment of the finest selected and matched components in a fully balanced discrete circuit design with zero negative feedback. The stiff, reliable power supply uses custom-made capacitors with 160,000 microFrad of reservoir capacitance. With 24 Sanken 20 Ampere output transistors, the Gryphon S100 is specified at a nominal 2 x 100 Watts in an 8 Ohm load and can deliver peak power of 2,000 Watts in a 1 Ohm impedance.

The Gryphon S100 also addresses crucial, but often ignored issues such as print layout and grounding with meticulous attention to detail. The short signal path employs extra thick copper traces and an absolute minimum of wiring. All internal wiring is a newly-developed Cardas cable. The chassis, assembled with counter-sunk Allen screws, provides an ideal non-resonant environment for vibra-

tion-sensitive components.

TWO-CHANNEL MONO AMPLIFIER

While the Gryphon S100 to outward appearances resembles a stereo amplifier, it is in fact more accurately described as a two-channel mono amplifier, with only the AC input and On/Off switch in common. Beyond that point the topology of the Gryphon S100 is strictly dual mono, beginning with separate power transformers and including a metal partition separating the two mono amplifiers to eliminate any possibility of interaction between the two channels which might potentially compromise ultimate performance.

WIDEBAND FREQUENCY RESPONSE

Bandwidth limiting is employed in many costly high end designs as a quick fix for numerous problems. However, extensive experimentation in the Gryphon laboratories revealed that wideband frequency response offers superior performance in such crucial areas as slew rate, phase characteristics, transient response, imaging and soundstaging. In the Gryphon S100, painstaking attention to such details as the layout and ground pattern of the PC boards allows Gryphon to achieve wideband frequency response in a stable circuit.

BALANCED INPUT

Many self-proclaimed high end amplifiers offer single-ended RCA standard phono sockets in parallel with balanced XLR inputs, if they offer the balanced option at all. However convenient this may be, duplicating inputs introduces additional cable and soldering in the signal path, sacrificing ultimate sound quality.

For this simple reason, the Gryphon S100 makes no compromise, employing balanced inputs exclusively in order to fully exploit signal transmission in the balanced mode with its improved immunity to interference.

Should you choose to use the Gryphon S100 with an unbalanced signal source, adaptors are available to connect the single-ended cable to the balanced input.

PROTECTION CIRCUITS

The Gryphon S100 incorporates comprehensive protective circuitry with no deleterious effect on sonic performance. The S100 will mute instantly if LF, DC or HF is detected at

the input. The protection system also responds immediately to DC, short circuit or SOAR at the output. A thermal sensor activates a circuit breaker in the presence of overheating.

EXTERIOR DESIGN

Imparting a touch of elegance to the 55 kg amplifier, the discretely handsome exterior of the Gryphon S100 makes its own unique statement. The casing is heavy duty, epoxy-coated steel plate, while the front panel and handles are brushed black anodized aluminum. The faceplate features an attractive illuminated acrylic center-plate and a distinctive triangular On/Off switch

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..

S100 Technical specifications:

Power Output (cont.)	
100 W RMS	8 Ohm 1 kHz
200 W RMS	4 Ohm 1 kHz
400 W RMS	2 Ohm 1 kHz
800 W RMS	1 Ohm 1 kHz
Power Output (peak)	
2,000 W	1 Ohm 1 kHz

Gain: 29 dB	
Frequency Response:	
2 Hz - 350,000 Hz +/- 1.5 dB	
THD: 0.05% (100 W/8Ohm)	
Input impedance: 50 kOhm (bal.)	
Output impedance: 0.07 Ohm (2Hz-60 kHz)	

Power consumption: (idle) 150 W.	
Voltage: 100-120v / 200 - 240v +10%	
Protection: DC, HF, LF, SOAR, Overheat, Shortcircuit..	
Shipping Weight: 55 Kg.	

Dealer/Distributor: