



Australian Monitor

AM2400 Dual Bi-Amp

PRELIMINARY INFORMATION

The AM2400 Dual Bi-Amplifier is a sound system in a box, needing only a mixer and loudspeakers to complete a high-quality live-sound setup.

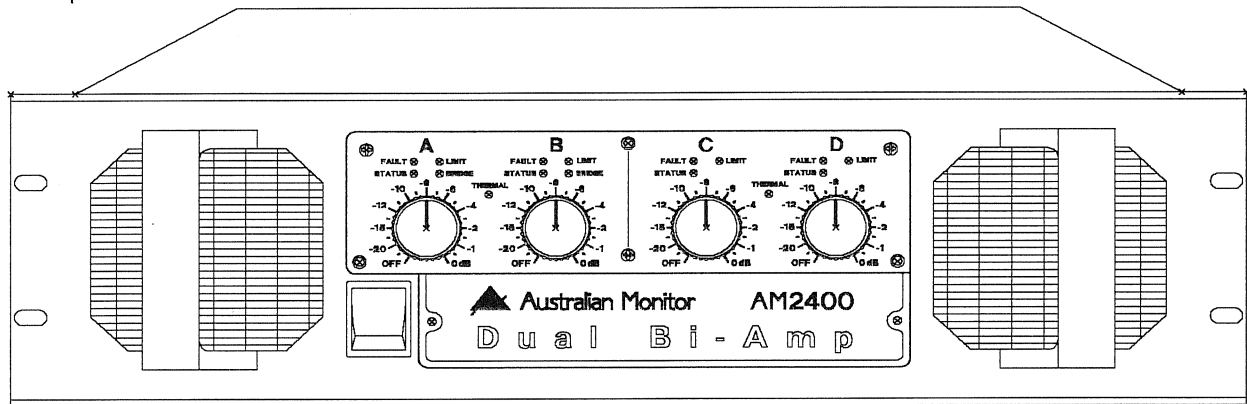
Built to Australian Monitor standard, with one of the strongest and most durable chassis on the market, this unit fits within a 3 rack unit package:

- 4 x high-power, high-current amplifiers
- 2 x two-way active crossovers
- 4 x peak limiters

Comprehensive front panel indicators include:

- Status LED with clip indicator
- Fault protection indicator for output shorts, output overloads and blown fuses
- Independent thermal protection indicators for each heatsink
- "Limiter active" indicators
- Bridge mode indicators

The drive circuit and power supply have been devel-



Versatility is the key in the design of the AM2400. It can be used as:

- A dual bi-amplifier of 2 x (800Watt+400Watt)
- A tri-amplifier of 800+800+400 Watt or 800+800+800 Watt
- A four-channel amplifier of 2x800 + 2x400 Watt
- A three-channel amplifier of 3x800 Watt
- A dual-channel bridge amplifier of 1600+800 Watt
- A bridge bi-amplifier of 1600+800 Watt

As with all Australian Monitor amplifiers, the AM2400 is built to perform and built to last, and comes with Australian Monitor's exclusive 5-year warranty.

Like the other models in the AM range, the 2400 incorporates extensive protection, including:

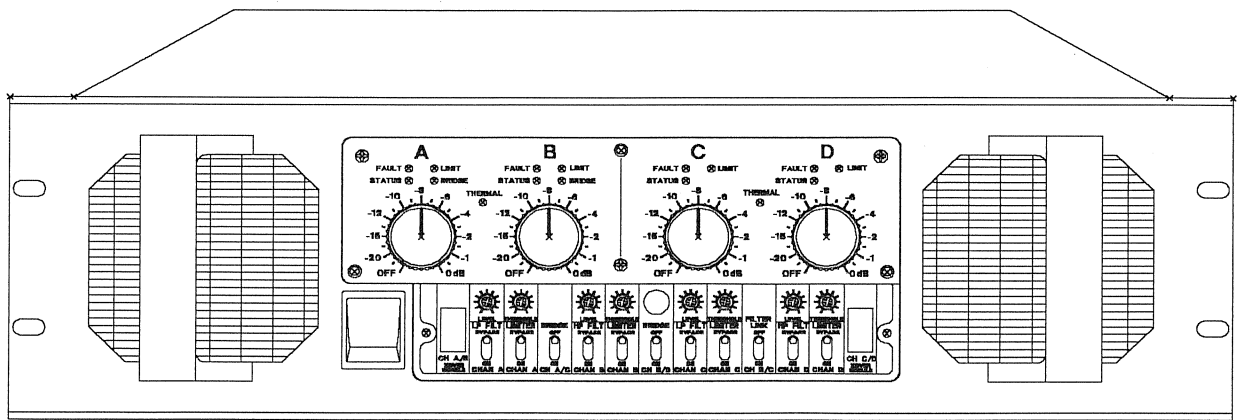
- RFI protection
- Short-circuit and output overload protection
- Input overload protection
- Thermal overload protection
- Mains circuit breaker
- Individual DC supply fuses for each channel
- Mains current limit at turn-on
- Amplifier mute at turn-on

oped and improved from the renowned AM1600. Sonics are even cleaner and clearer, right up to the highest power levels.

The dual 2-way active crossover can be used as a 2 x 2-way crossover or as a 1 x 3-way unit. Crossover frequency is continuously adjustable in 2 x one decade spans, covering all needs from sub-woofers to super-tweeters. Filters are Fourth-Order Linkwitz-Riley type with 24dB/octave slope, providing the optimum combination of low phase shift, good directivity control and diaphragm excursion control. Output levels may be individually preset, allowing single attenuator control of system gain with perfect tracking.

The peak limiters have preset attack and release times and adjustable threshold, and have ultra-wide dynamic range in excess of 115dB to complement the amplifier's digital-standard performance capabilities.

All signal processing is defeatable for the addition of external signal processing if desired, making the AM2400 also an ideal choice for studio applications where minimal or specialised signal processing may be required.



Preliminary Performance Specification:

Channel	A	B	C	D	
Output Power	800 W	400 W	800 W	400 W	all channels driven, 4 ohm load
	500 W	250 W	500 W	250 W	all channels driven, 8 ohm load
Output Power, Bridged	1600W (A+C)	800W (B+D)			both channels driven, 8 ohm load, 1 kHz, <0.05% THD
THD @ 1 kHz,	<.005% all channels		1 dB below clipping		
Amplitude Response	+/- 0.5 dB all channels		20 Hz - 20 kHz		
Hum and Noise	<-105 dB A weighted		re rated power channels A & C		
	<-102 dB A weighted		re rated power channels B & D		
Input Impedance	>25 kOhm balanced		line-line		
Common Mode Rejection Ratio	>70 dB		20 Hz - 20 kHz		
Crosstalk	<-70 dB		20 Hz - 20 kHz		
Input Sensitivity	+4 dBu		for rated output, all channels		
2 ohm load capability	Yes				
Height	5.25 inch	133.5 mm	3 rack units		
Width	19 inch	483 mm	EIA rack mounting		
Depth	17.5 inch	445 mm	excluding handles		
Weight	77 lb	35 kg			

AUSTRALIAN MONITOR PTY LTD
 29 HOPE ST,
 ERMINGTON, SYDNEY,
 AUSTRALIA 2115
 Phone 61-2-874-9355
 Fax 61-2-874-9366

