

Australian Monitor

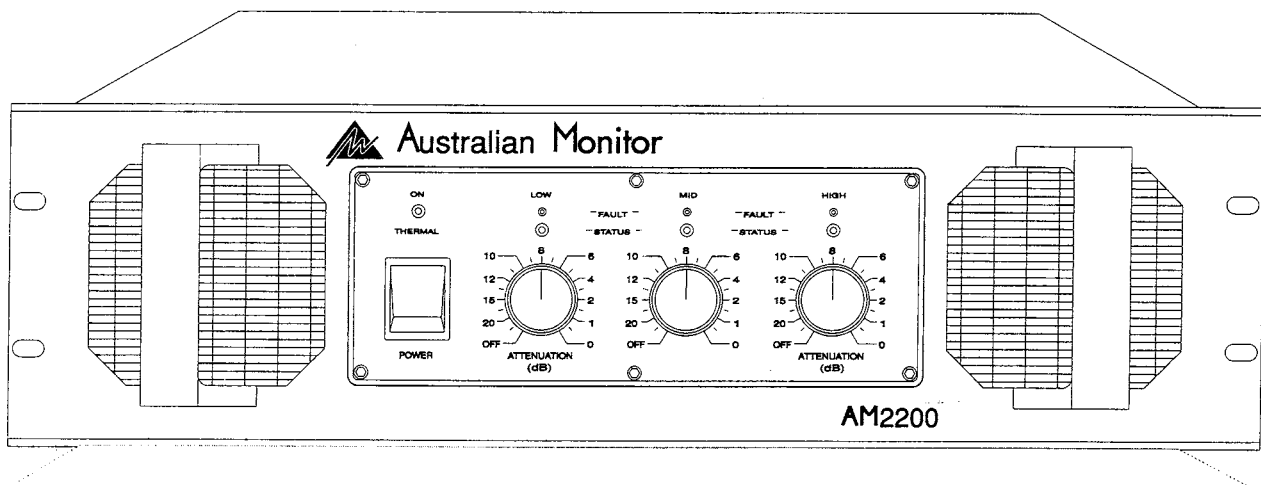
AM2200

TRI-AMP

THE **AM2200** is one of Australian Monitor's custom projects to fulfill the needs of a Sydney based sound production company. The company required simplified drive requirements for their "TURBOSOUND" TMS-3 cabinets, where a single amplifier would power a pair of TMS-3 cabinets. This allowed for greater flexibility when smaller systems, delay stacks or even

single boxes were required, reducing the quantity of amplifiers and simplifying patching into and out from these racks.

THE **AM2200** matches the R.M.S. power requirements of the TMS-3's whilst maintaining some headroom.



POWER	SINGLE CHANNEL	ALL CHANNELS	PEAK
Low amp @ 2 ohms	1400 watts	1320 watts	1800 watts
Mid amp @ 4 ohms	700 watts	610 watts	800 watts
High amp @ 4 ohms	390 watts	330 watts	450 watts

The amplifier utilizes a well regulating high current capable Linear Power Supply featuring a 2k4VA Toroidal Mains Transformer with multiple wound secondaries where any of the amplifier channels have access to the VA capabilities of this massive transformer. Supplementing the Toroid are 105°C rated Computer Grade Electrolytics whose large plate area allow for maximum current "dump". The attitude of the power supply is one of "back up" and "restore" rather than relying on storage alone.

The amplifier is housed in our renowned 3 unit chassis that the AM1600 and AM1200 utilize. This chassis is of a totally modular construction and fabricated from our own Heavy Duty Custom Alloy Extrusions. Multiple point mounting of the modules ensures a perfectly rigid chassis.

Front to back cooling by twin dual speed fans is provided and the unhindered air flow, over the 3,000 square inches of directly cooled heatsink area, reduces the amount of dust settlement within the unit.

THE **AM2200** offers all the protection and performance features of the AM series with a number of additions to suit the application.

The **LOW amp** has been set up to run high duty cycle 2 ohm loads.

Input impedance has been set to 33k to reduce load and line losses from signal source in multiple hook ups.

The **gain** of each channel has been set so as all amplifiers will clip simultaneously with the same input level.

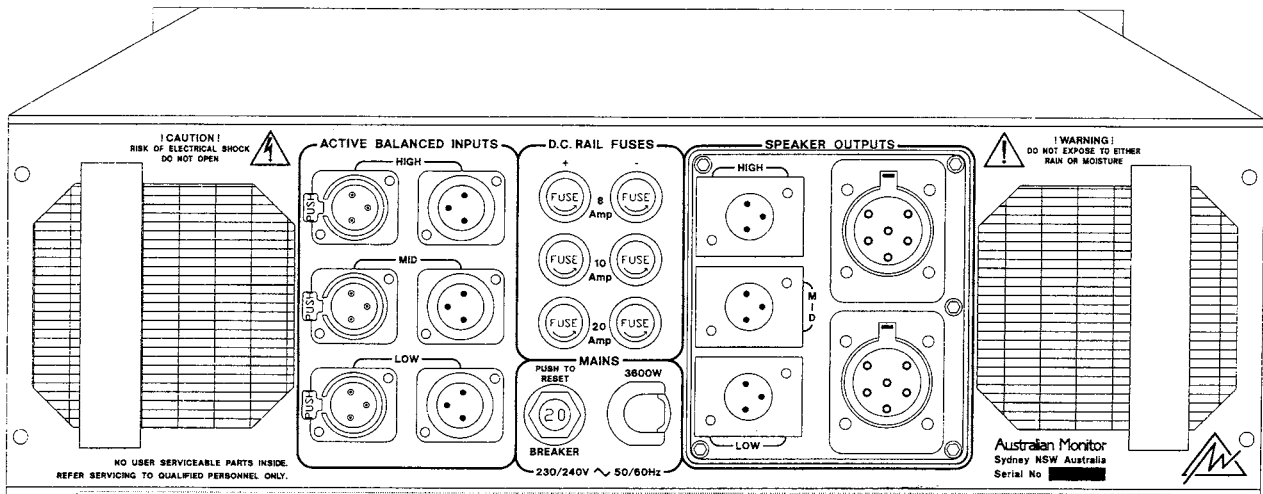
A dual color LED is used on each channel to indicate

output level. The LED indicates green at 1 watt and above changing to red at 1dB below actual clipping.

A **fault LED** is also provided for each channel which will indicate common faults such as Shorted Output, Low Load Impedance, Gross Overload and blown Negative Rail Fuse.

The unit also offers :

- Mains Inrush Current Suppression at turn on.
- Active Balanced Inputs with Buffered Attenuators.
- 21 position Detented Attenuators.
- 30dB pad (soft mute) at turn on.
- Input Overload Protection.
- Thermal Protection and Indication.
- Thermally acting Mains Circuit Breaker.



Parallel male and female XLR's on each input for chaining amplifiers.

Separate Rail Fuses for each channel.

Optional output panels to suit the application, available in dual AP-6, AP-8, EP-6, EP-8 and Neutrik 4-way and 8-way Speakon connectors for direct tri-amp/box hookup with individual XLR's or binding posts for each channel.

COMMON CHANNEL SPECIFICATIONS.

T.H.D.	<0.005% @ 1kHz re 4 ohms
I.M.D. (SMPTE)	<0.015% re 4 ohms
Input Sensitivity	+4dB
Damping Factor	>500:1 Re 8 ohms
Input C.M.R.R.	80dB @ 1kHz
Noise	-105dB A-Weighted
Crosstalk	80dB @ 1kHz
Weight	73lbs (33kgs)
Dimensions	5.25" tall (3 rack units)
	19.0" wide
	17.5" deep (excluding handles)

POWER SPECIFICATION

(@ < 0.01% T.H.D. @ 1kHz)

CHANNEL	2 ohms	4 ohms	8 ohms
Low	1320 watts	950 watts	575 watts
Mid	820 watts	610 watts	430 watts
High	-	330 watts	250 watts

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