

Australian Monitor

AMD2100P

AMD Series Power Amplifier

The Australian Monitor AMD2100P is a 1 RU dual channel power amplifier of class-D design. The AMD2100P delivers 100 watts per channel into 100 volt, 70 volt or 4 ohms.

The AMD2100P features front panel signal presence and fault indication per channel, rear panel volume controls, remote master VCA per channel, standby contact closure and a RS232 or Ethernet port for control via a third party control system. Input cross mix level, channel input mix mute, channel output level and mute, standby state and amplifier fault indication can all be controlled via the RS232 or Ethernet port.

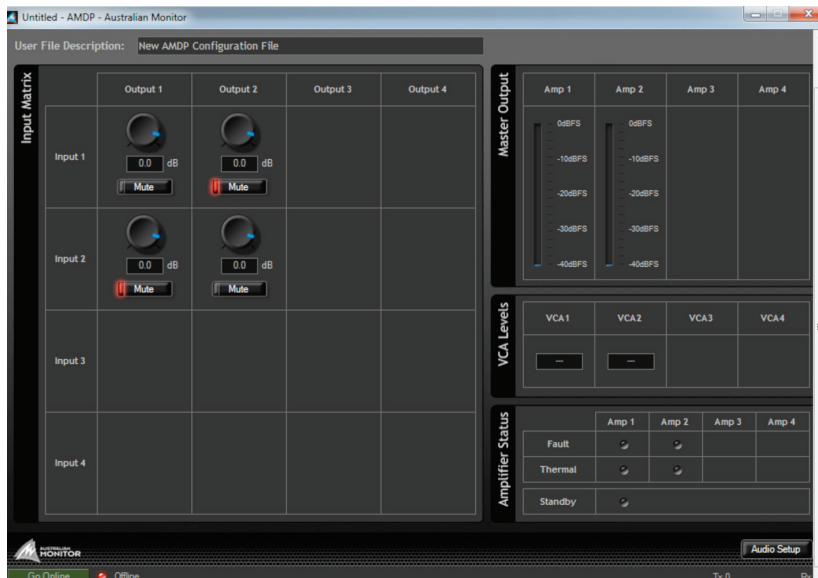
An Ethernet port provides PC connectivity for use with the supplied software application, remote control and status monitoring.



Features

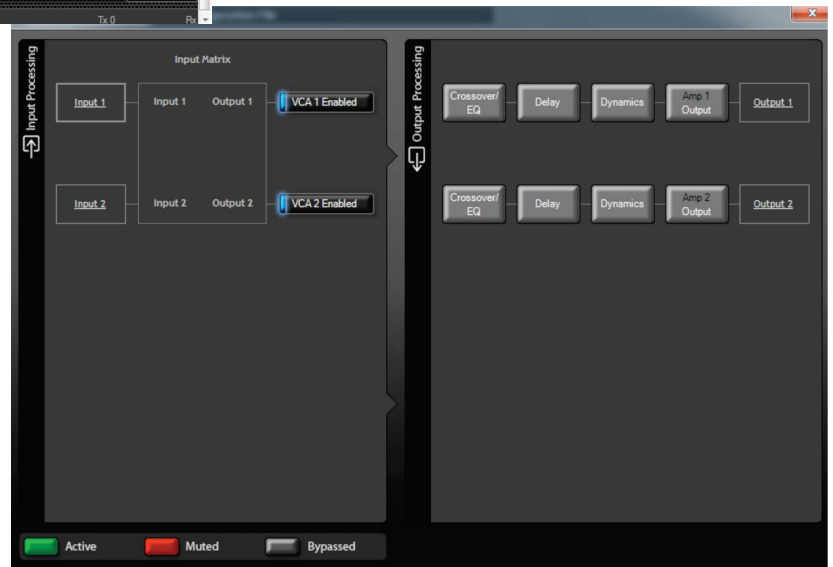
- 1 RU, class-D design
- 2 x 100 watts @ 100 volt, 70 volt, and 4 ohms
- Signal presence and fault indication per channel
- VCA master control per channel
- Standby contact closure
- RS232 control
- Ethernet Control Port
- Built in DSP processor
- 24 volt operable

Software Configuration



Opening software page allowing input cross mix level, channel input mix mute, VCA values, amplifier fault conditions and LED output level meters in dBFS

Audio set up page, allowing access to VCA control, Crossover /EQ, Delay, Dynamic Control and Master amplifier output level.



Specifications

The amplifier shall be dual channel, one standard rack unit in height and deliver 100 watts per channel into 100 volt, 70 volt or 4 ohms. The amplifier shall have signal presence and fault indication per channel with rear panel volume controls and remote VCA master controls available per channel. The amplifier shall have a standby state contact closure and shall be able to be controlled via RS232 or Ethernet port for third party control systems. The amplifier will contain a built in DSP processor per channel.

The amplifier shall be the Australian Monitor AMD2100P



AMD2100P

	Specification	Conditions
Frequency Response	70 Hz - 20 kHz, ± 3 dB	Signal Input 2 dB below clip
Total Harmonic Distortion	< 0.6 dB	Signal input 2 dB below clip
Input Impedance	11 kOhms	
Normal Input	+1 dBu	Rear panel level controls at maximum, DSP bypassed
Crosstalk Between channels	> 60 dB	1 kHz, maximum output
Power Output		
4 ohms	100 W	(20 Vrms)
70 V	100 W	(49 Ohms)
100 V	100 W	(100 Ohms)
Power Consumption		
Standby	7 W	
Idle	11 W	
1/8th Power	48 W	
1/3rd Power	107 W	
Thermal Dissipation		
Standby	7 W (23.88 Btu/Hr)	
Idle	11 W (38.53 Btu/Hr)	
1/8 power	23 W (78.48 Btu/Hr)	
1/3 Power	40 W (137.62 Btu/Hr)	
Power Input	AC Mains: 110-120 V 60Hz / 220-240 V 50Hz 24VDC Battery Backup	Factory Configured
Recommended Operating Temp	10° C to 45° C (50° F to 113° F)	
Recommended Operating Humidity	5 % to 95 %	
Dimensions (W x D x H)	433 x 442 x 44 mm (17" x 17.4" x 1.75")	Not including rack ears or rear panel connectors
Shipping Dimensions (W x D x H)	555 x 555 x 170 mm (22" x 22" x 6.7")	
Weight	Net Shipping	10kg (22lb) 13kg (28.6lb)

ENGINEERED BY AUSTRALIAN MONITOR

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