

# SYNERGY<sup>2</sup>SERIES

## Two Channel Power Amplifiers

Drawing on the heritage of Australian Monitor's low impedance amplifier design comes the latest in low impedance amplifiers from the Australian Monitor Pro series, the Synergy2. The Synergy2 series offers an impressive range of highly powerful 2 ohm rated amplifiers in rugged yet stylish 2 RU chassis. Available in three powerful models the SY2200 will deliver 600W, the SY2400 will deliver 1100W and the SY2700 will deliver 2000W. All models also offer on board clip limiting, ground lift switching, XLR ins and binding post and 4 pole speaker connector outputs. As with all Australian Monitor Pro Series amplifiers they deliver the sonic clarity you've come to expect from an AM amp.

### At a Glance

- > 3 models
- > All 2 ohm capable
- > SY2200 2 x 110W into 8 ohm, 2 x 200W into 4 ohm, 2 x 300W into 2 ohm
- > SY2400 2 x 190W into 8 ohm, 2 x 350W into 4 ohm, 2 x 525W into 2 ohm
- > SY2700 2 x 400W into 8 ohm, 2 x 700W into 4 ohm, 2 x 1000W into 2 ohm
- > On board clip limiter
- > Ground lift switch
- > XLR in and link (male/female)
- > Binding post/4 pole speaker connector outs



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## Architectural Specifications

The amplifier shall be of 2 channel low impedance design, of sturdy construction and shall be 2 rack units high. The amplifier shall have on board clip limiting, ground lift switching, XLR inputs and 4 pole speaker connector and binding post outputs. Front panel level controls will be provided as well as status, overload, thermal, power and fault indication. The amplifier will be capable of 2 ohm operation and shall have overload, output short circuit, thermal and output DC protection as well as a slow start facility. The amplifier shall be an Australian Monitor Synergy2 series.

### Common Specifications (To all SY2 Amplifiers)

Distortion	(re: 4ohm, 1dB below clip) THD (@ 1kHz) <0.02% IMD SMPTE (60Hz : 7kHz 4:1) <0.03%
Input Impedance	20kohms
Input Sensitivity	1Vrms
Input CMRR	>80dB
Signal/Noise Ratio	A-Weighted >104dB
Crosstalk	>70dB
Slew rate	>40 V/μsec
Damping factor	(@ 1kHz re 8 ohms) > 375:1
Frequency response	(+/-3dB) 15 Hz- 50 kHz
Indicators	Power, Status (L/R), Overload, Thermal, Fault

Model	SY 2200	SY 2400	SY 2700
Output Power	300W 0.1% THD @ 1kHz	525W 0.1% THD @ 1kHz	1000W 0.1% THD @ 1kHz
Voltage Gain	28.3 (29dB)	37.4 (31dB)	52.9 (34dB)
Thermal Dissipation	Both channels driven, 2ohm load 1/8th power 425W (1450btu/hr)	Both channels driven, 2ohm load 1/8th power 780W (2661btu/hr)	Both channels driven, 2ohm load 1/8th power 1410W (4811btu/hr)
Current Draw	Both channels driven, 2ohm load, 230Vac 1/8th power 2.7A	Both channels driven, 2ohm load, 230Vac 1/8th power 5.0A	Both channels driven, 2ohm load, 230Vac 1/8th power 9.1A
Dimensions (H x W x D)	87mm x 482mm x 400mm	87mm x 482mm x 400mm	87mm x 482mm x 455mm
Unit Weight	12.5kg	15.5kg	17.5kg
Shipping Weight	14 Kg	17 Kg	19 Kg
Shipping Dimensions (H x W x D)	210mm x 540mm x 540mm	210mm x 540mm x 540mm	210mm x 540mm x 575mm

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