

T1000

T500

T Series Power Amplifiers

T Series high performance power amplifiers are designed for use in a variety of applications in the fixed installation market where sonic quality is the highest priority. The T1000 and T500, at 500W and 250W per channel respectively, will bring the well renowned MC² sound quality and reliability to a wider range of users.



Building on the MC² commitment to sound quality and reliability, these exciting new products have been designed with complementary AB bipolar outputs, using the unique MC² current driven floating drive stage and conventional analogue level controls. The sound quality is maintained over a very wide range of load and temperature conditions. Sophisticated 'side chain' limiters prevent distortion and speaker damage but are out-of-circuit until the onset of clipping.

The control circuitry provides full protection against short circuits, DC and excessive temperature together with inrush current limiting and delayed 'turn on'. All adding up to genuine 'state of the art' amplifiers.

**All MC² products come with
a full 5-year warranty.**

Information

- Complementary class A/B bipolar outputs, using the unique MC² current driven floating drive stage, which gives one of the 'cleanest' sounds available.
- Sophisticated monitoring of amplifier temperature and load conditions.
- Proprietary control and protection circuitry continuously checks for all fault conditions such as shorted outputs, DC on outputs, excessive temperature (blocked air flow), component failure etc... and disconnects the outputs, if such an event occurs.
- Low noise vari-speed fans.



- 'Side-chain' clip limiter prevents speaker damage from clipped signals but only comes into the signal path during limiting, and is inaudible during normal operation.
- Audio 'fade-up' on Power-on.
- Optional internal crossover cards available.
- New proprietary 'Ultra Cool' heatsink.
- Full mains inrush protection.

T1000

T500

Technical Information

Connectors

Inputs XLR 3 pin
Outputs 4 pole SPEAKON

Controls

Front panel 2 x level controls
1 x power on/off switch

Indicators

1 x power, 2 x limit, 2 x signal present
1 x auto protect

Specifications

	T1000	T500
Output Power (Watts RMS) per channel		
8 ohms @ 1kHz	300	175
4 ohms @ 1kHz	500	250
2 ohms @ 1kHz	700	-
Mono bridged		
8 ohms @ 1kHz	1000	500
4 ohms @ 1kHz	1380	-
THD @ Rated Power 4 ohms		
1 kHz	<0.008%	<0.008%
20Hz-20 kHz	<0.03%	<0.03%
Input CMRR	>90 dB	>90 dB
Hum & Noise	-105 dB	-105 dB
Gain	32dB	32dB
Sensitivity for rated output, 4 ohms	+3.5dBu (1.2v)	+1dBu (870mv)
Damping Factor 1 kHz, 8 ohms	>400	>400
Frequency response	20Hz-20kHz +0/-0.5 dB	20Hz-20kHz +0/-0.5 dB
Input impedance (actively balanced)	20k ohms	20k ohms
Dimensions - 2U (mm)	88 x 482 x 428	88 x 482 x 428
Weight	18kgs	15kgs
Power requirement	230 VAC @ 8 amps max 115 VAC @ 16 amps max	230 VAC @ 6 amps max 115 VAC @ 12 amps max

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