

M SERIES

PROFESSIONAL POWER AMPLIFIERS



Amplification

The M Series power amplifiers from AT Professional represents a new era in quality power amplification. The line consists of two models in a uniform, rugged chassis, incorporating the best of tried-and-true design principles and innovative features.

The M Series feature purpose engineered and manufactured amplification modules, producing accurate, uncoloured sound with very low distortion for the best music and voice reproduction. Advanced protection circuitry guards against shorted outputs, open circuits, DC, mismatched loads, general overheating, high-frequency overloads and internal faults.

The M1200 and M2000 are both highly versatile units, handling a wide array of speaker impedances and outputs, making them extremely suitable for general purpose loudspeaker amplification.

Both models are built within a 2RU 19" rackmount chassis and features genuine SPEAKON® output connectors and XRL inputs.

Key Features

- ▶ 2 x Thermo-Variable cooling fans
- ▶ Advanced Protection Circuitry
- ▶ Bridge Mode Switch
- ▶ High / Low Pass Linkwitz-Riley Filters
- ▶ Switchable Input Sensitivity
- ▶ 3 Year Warranty

Overview

- ▶ Dimensions: 2 RU - 482mm (W) x 88mm (H) x 450mm (D)
- ▶ Weight: M1200: 16kg M2000: 23kg
- ▶ Power Output:

	M1200	M2000
Per Channel		
8 Ohm Load:	600W RMS	1000W RMS
4 Ohm Load:	960W RMS	1600W RMS
Bridged 8 Ohm:	1800W RMS	3000W RMS



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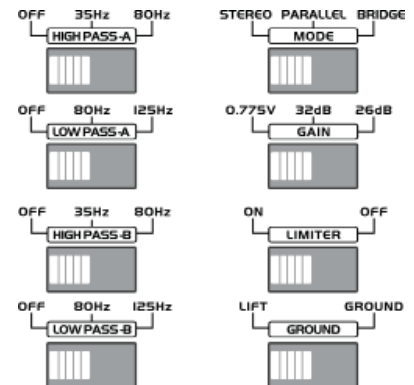
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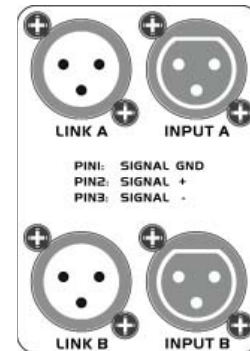
Amplification

Specifications	M1200	M2000
Power Output		
8 Ohm Per Channel	600W RMS	1000W RMS
4 Ohm Per Channel	960W RMS	1600W RMS
8 Ohm Bridge Mode	1800W RMS	3000W RMS
Signal		
Frequency Response	+0, -0.5dB 20Hz to 25kHz	
Signal to Noise Ratio Below rated power, A-Weighted	≥ 105dB	≥ 107dB
Total Harmonic Distortion	<0.1%	
Inter-modulated Distortion (IMD) 60Hz and 7kHz at 4:1	<0.05%	
High Pass: Linkwitz-Riley (24dB/Octave)	Off/35Hz/80Hz	
Low Pass: Linkwitz-Riley (24dB/Octave)	Off/80Hz/125Hz	
Crosstalk	≥ -60dB (below rated power, 20Hz to 20kHz)	
Common Mode Rejection	≥ -65dB (20Hz to 1kHz)	
Input Impedance	20k Ohms Balanced 10k Ohms Unbalanced	
Voltage Gain at .775 sensitivity	39dB	41.2dB
Output DC Offset Voltage	< ± 5mV	
Physical Specifications		
Input Connectors Per Channel	Female 3 Pin XLR Loop Through Male 3 Pin XLR provided	
Input Wiring & Phase	Pin 1- Ground, Pin 2- Signal +Phase (Hot), Pin 3- Signal - Phase (Cold)	
Operating Modes	Dual - 2 Channel Stereo Parallel - Inputs Paralleled 2 Channel Mono Bridge - Single Channel Mono	
Output Connectors	4 Pole Speakon® per Channel	
Cooling	2 x Thermo-Variable cooling fans	
Power Requirements	240 Volts 50Hz AC	
Dimensions	2 RU (482mm Width x 88.5mm Height) x 450mm Deep	
Weight	16Kgs Net	23Kgs Net

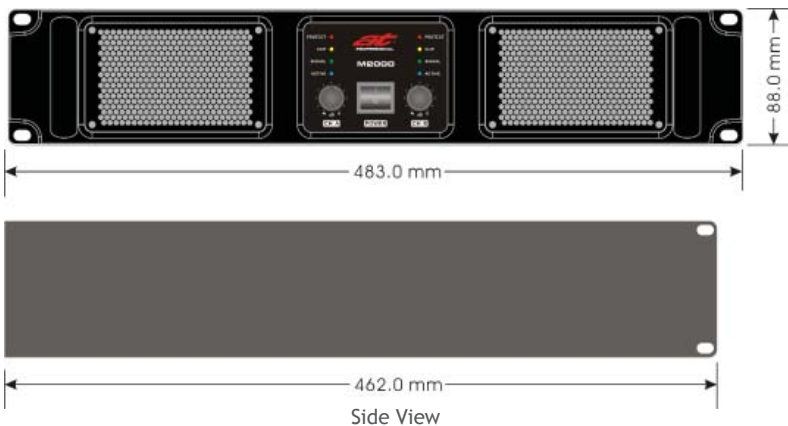
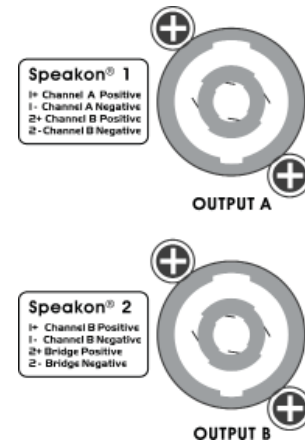
Multi-Function Switch Panel



Inputs / Link



Outputs



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