

M 200 Mono Power Amplifier

Idea

Audiophile and powerful – a contradiction which our A 200 power amplifier succeeded in surmounting. The new M 200 mono power amplifier represents an impressive and logical continuation of this approach: even more specialised, even more powerful, uncompromising in its audiophile standards. In contrast to conventional

stereo power amplifiers the device does not incorporate two channels; instead it is designed to deliver 400 Watts of controlled, dynamic, precise power to a single loudspeaker. By employing two, these monoblocks form the spearhead of audiophile high performance.

Power

In an effort to surpass the A 200 power amplifier's successful mix of power, precision and efficiency, the M 200 concentrates its three unique technologies in a single channel: Using Class D Eigentakt output stage technology a constant output power of more than 400 Watts can be achieved; at the same time HV and High-Frequency mains section technology generate top audiophile performance from this unrestrained power.

The voltage pre-amplifier stage incorporates our unprecedented and unique HV circuit topology, ensuring a tremendous level of natural linearity, at the same time eliminating hard negative feedback.

Crosstalk between the left and right channels is unavoidable in a stereo power amplifier, but the mono principle avoids this problem completely.



Control

The quality of music reproduction is fundamentally determined by the bandwidth of the output stage: if it is not capable of handling high frequencies in a linear manner, it will be incapable of reproducing peak signals cleanly, resulting in very early phase shifts which are harmful to the sound quality. The output stage employed in the M 200 is able to handle high frequencies of up to 60,000 Hertz, endowing it with ample reserves for handling all imaginable signals.

Although the mains section is virtually invisible to the listener, this part of the device plays a crucial role in the full spread of its performance. That is why our T+A High-Frequency Sine Wave mains sections operate using a pure sine-wave clock, at double the frequency

of conventional mains sections. Induced interference in the auditory range is usually inevitable in Class D amplifiers, but our design completely eliminates the problem, rather than just reducing it.

In order to remove even the final traces of interference from the signals, T+A reservoir capacitors are refreshed at a rate of 100,000 times per second - 2,000 times more frequently than ordinary capacitors.

The high power of the M 200 makes the T+A Intelligent Safe Control system even more important: it constantly monitors temperature, load and clipping parameters, so that it can intervene at any time and maintain operation devoid of interference.

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Nominal power per channel	420 Watts @ 4 Ohms
	210 Watts @ 8 Ohms
Frequency response +0/-3 dB	1 Hz – 60 kHz
Signal to noise ratio	113 dB
THD / Intermodulation	<0,002 % / <0,002 %
Damping factor	> 800 / DF LO > 70
Gain factor	31,4 dB / x 37
Input sensitivity nominal	High level (RCA) 1,13 V _{eff} / 5,8 kOhms
	Balanced (XLR) 2,26 V _{eff} / 20 kOhms
Mains	200 – 240V, 50 – 60 Hz
Power consumption	max. 500 Watts
	25 Watts while power on and idling with no signal
Standby	<0,5 Watts
Dimensions (H×W×D)	10 × 32 × 34 cm, 4 × 12.6 × 13.4 inch
Accessories	Power cord, E2-Link-cable
Weight	5 kg, 11 lbs
Finishes	Alu silver anodized (43), Alu black anodized (42)