



This top of the range, no-compromise, ultra high-quality amplifier has sonic performance that is comparable to the very best hi-fi amplifiers, only much more powerful.

Since its introduction in September 1996, the MC1250 has been extremely successful in the discotheque and night-club market all over the world, where it has proved itself capable of maintaining its high performance in the most demanding conditions.

The unique current driven drive stage adds an extra dimension to the bass dynamics, ensuring very accurate reproduction of transients couple with a natural "openness" not usually found in amplifiers of this type. The sophisticated microcontroller ensures that this performance is maintained over a wide range of temperatures and loads.

Despite the sophistication of the amplifier, its modular design makes it remarkable easy to work with and has the option of crossover cards.

Main Specifications

Output Power (per channel): 8 ohms: 850W, 4 ohms: 1550W, 2 ohms: 2200W*
Output Power (bridged): 8 ohms: 3100W, 4 ohms: 4400W
THD: (@1dB below maximum output power) @ 1kHz<0.008%, 20Hz to 20kHz<0.03%
Gain / Sensitivity: Gain 33dB Sensitivity (for maximum power)+6dBu (1.54V)
Frequency Response: 20Hz to 20kHz (+0dB / -0.5dB)
Power Consumption: Nominal @ 240V into 4 ohms 3.2A, Nominal @ 120V into 4 ohms 6.4A
Dimensions: Amplifier (3U) (mm/in) 130/5.1(h) x 480/18.9(w) x 460/18.1(d)
Boxed (shipping size - UK) 230/9.0 x 580/22.8 x 560/22.0 (Single boxed)
Boxed (shipping size - all except UK) 250/9.8 x 610/24.0 x 600/23.6 (Double boxed)
Weight: Amplifier 30kgs(66lbs), Boxed (shipping weight) 31.6kgs(69.5lbs)

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Additional Specifications

Input Impedance:20k Ohms (Active balanced)Damping Factor:>400 (8 ohms / 1kHz)
Input CMRR: >60dB
Hum & Noise: Better than -106dB
Signal Limiters: Operate at maximum power to prevent excessive clipping.
Protection: Output short circuit, DC output, over-temperature, mains in-rush control.
Output Power:
Continuous sine wave @ 1kHz (per channel): 575W (8R), 1300w (4R), 1500W (2R)
Continuous music (with Crest Factor of 2.8 (9dB)):850W (8R), 1450W (4R), 1675W (2R)
Continuous music (with Crest Factor of 4.8 (14dB)):850W(8R), 1550W(4R), 2200W (2R)*
Continuous music (with Crest Factor of 7.8 (18dB)):850W(8R), 1650W (4R),2500W (2R)

For details of Power measurement methods please refer to the Technical Support area of our website.

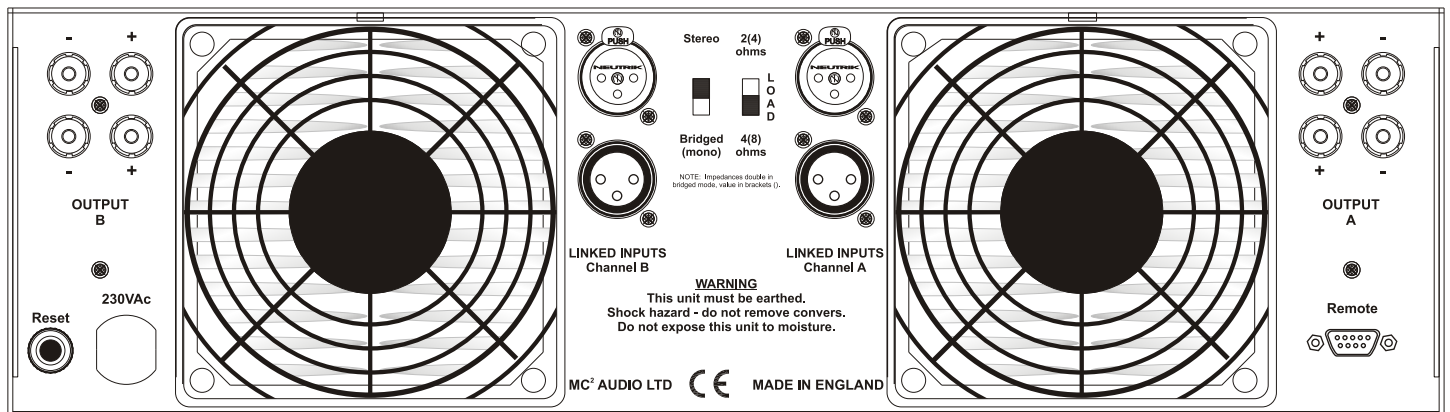
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Power Consumption & Thermal Emissions

Mains (V)	Load (R)	Current Draw (A)				Thermal Emissions (W)			
		No Sig'l	Light	Average	Heavy	No Sig'l	Light	Average	Heavy
240	8	0.6	1.1	2.1	4.5	144	175	230	378
240	4	0.6	1.6	3.2	7.3	144	205	301	543
240	2	0.6	2.2	4.4	8.4	144	237	367	605
120	8	1.2	2.3	4.1	9.1	144	175	230	378
120	4	1.2	3.3	6.5	14.6	144	205	301	543
120	2	1.2	4.3	8.7	16.7	144	237	367	605

No Sig'l = Quiescent, Light = Crest Factor of 7.8(18dB), Average = Crest Factor of 4.8(14dB), Heavy = Crest Factor of 2.8(9dB)
For details of measurement methods please refer to the Technical Support area of our website.

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Controls, Indicators & Connectors

Front Panel: 2 x rotary encoders (level), 1 x power switch, 1 x power on indicator (green)
2 x mute switch, 1 x level control link switch
2 x limiter active indicators (yellow), 2 x 6 LED peak level meters
1 x temperature warning indicator (red), 1 x bridged mode indicator (green)
1 x channels linked indicator, 1 x 2 ohm operation indicator
2 x fault/DC indicators

Rear Panel: 1 x Bridged mode selector switch, 1 x 2 ohm / 4 ohm selector switch
2 x 2 pairs 4mm shrouded binding posts (speaker outputs)
2 x Neutrik XLR 3 pole female connectors (audio input)
2 x Neutrik XLR 3 pole male connectors (audio link output)

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Architect's and Engineer's Specification

The power amplifier shall be a 2 channel class AB design with a minimum guaranteed power of 850W into 8R [20Hz to 20kHz]. THD shall be better than 0.03% [20Hz to 20kHz] and the signal to noise ratio shall exceed 106dB (unwtd). The minimum load shall be 2R, and 4R in bridge mode. Input sensitivity shall be +6.0dBu for full power output. Frequency response shall be 20Hz to 20kHz (±0.25dB). The front panel shall have individual rotary encoder level controls with a link switch and a front panel non-isolating main power switch shall be fitted. The front panel shall have 6 point peak level meters per channel and indicators for limiter active (per channel), power, bridge, 2-ohm mode, temperature warning and protect/fault. The rear panel shall have 2 pairs of outputs (per channel) of 4mm shrouded binding posts. The audio inputs shall be on Neutrik 3 pole XLR connectors, with link outputs also on XLR connectors. Mode (stereo & bridge/mono) and load selection switching shall be on the rear panel. Optional 24dB/Oct. crossover cards shall be available for internal fitting. The amplifier shall be 4U, 19" rackmount in format with dimensions of 13cm X 48cm X 46cm and a weight of 30.0kg. AC mains supply shall be nominal 240V, 50/60Hz. The amplifier shall be designated the MC² MC1250.