

E4-75

the new range of
lightweight amps

E-Series Power Amplifiers

These lightweight, switchmode amps have been designed to the same high standards of reliability and sound quality that our customers have come to expect of all MC² Audio products.

The **E4-75** is a 4-channel amplifier capable of producing 850W @ 8 ohms and 900W @ 4 ohms peaks per channel. The unit also incorporates a sophisticated impedance sensing circuit that changes the power automatically for either a 4 or 8 ohm load.

Inputs are via four XLR sockets, which can be linked to the next channel via a rear panel switch providing greater flexibility to supply more speakers with the same input signal.

Each channel has a separate Speakon output socket provided but channels C and D are also routed through the second set of pins on channels A and B Speakon outputs respectively. This gives the user the potential of running two separate bi-amped wedges from one amplifier.

Features

- Four channels delivering 850W peaks into 8 ohms and 900W peaks into 4 ohms. (Pink noise or music, four channels driven).
- Digital power supply with large power reservoir giving extremely high peak power
- Automatic impedance sensing, changes the power for either a 4 or 8 ohm load
- Digital power supply with large power reservoir giving extremely high peak power without any bass 'sag'. MC² proprietary current driven output stages for ultra high-definition sound
- Full high frequency power – the **E-Series** amplifiers will deliver their power over the entire audio bandwidth
- Lightweight aluminium construction
- Low distortion limiters for speaker protection
- Sophisticated power control system linked to both the limiter and the power supply, keeping the amplifier within its operating limits at all times
- Optional cross-over cards available. 24dB/Octave Linkwitz Riley
- Soft start "power-on" with full in-rush protection. Full DC, short circuit and thermal protection
- Front panel display incorporates five-segment LED metering for each output, load indicator signalling either an 8 or 4 ohm load and Auto protect indicator
- Weighs around 10.25kg
- 5-year warranty



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TECHNICAL SPECIFICATION

E4-75

Output power (watts RMS) per channel (sine wave, continuous, each channel)	
8 ohms @ 1 kHz	750
4 ohms @ 1 kHz	825
Peak output power (pink noise or music four channels driven)	
8 ohms	850
4 ohms	900
Power reduction control	-3dB @ 8ohms
THD @ rated power	
4 ohms 1 kHz	<0.006%
20Hz – 20 kHz	<0.03%
Input CMRR	>90dB
Hum & Noise	-105dB
Gain (selectable)	+32dB/+26dB/+31dB
Sensitivity (for rated output, 4 ohms)	+5dBu/+11dBu/+6dBu (1.5V)
Damping Factor 1 kHz, 8 ohms	>400
Frequency response	20 Hz-20 kHz - +0dBu/-0.5dB
Input impedance(actively balanced)	20k ohms
Dimensions – 2U	88 x 482 x 428mm (3½ x 19 x 17")
Weight	10.25 kg (22 lbs)
Power requirement	230 VAC @ 15 amps max 115 VAC @ 30 amps max
Connectors	
Input	4 x XLR 3 pin
Outputs	4 x 4 pole Speakon
Controls Front panel	4 x level controls 1 x power on/off switch
Controls Rear panel	2 x PRC switch 3 x link switch
Indicators	1 x power, 4 x five segment LED metering, 2 x load indicator, 1 x auto protect

