

# E45

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.

Aimed at the touring market in particular, the **E45** at 2250W/channel into 4 ohms, built in a 2U chassis, has all the sonic qualities and reliability of the MC and T Series amplifiers, without the physical weight, making it an ideal choice for touring.

The switchmode power supply is capable of delivering high peaks without any perceptible bass 'sag' at very low distortion and is kept within its safe operating area by the new sophisticated MC2 'intelligent' limiter.

The **E Series** amplifiers will bring the well renowned MC2 sound quality and reliability to a wider range of users.

## Features

- Digital power supply with large power reservoir giving extremely high peak power without any bass 'sag'.
- Proprietary designed progressive switching rail output.
- 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.
- All new low distortion limiters with adjustable threshold points for extra 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.
- Power Reduction Circuit (PRC) controls on rear panel, linked to the limiter threshold which allow each channel to be independently set so that different loudspeakers can be connected to each channel with safety.
- 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, which automatically disconnects the outputs under a fault condition.
- Weighs around 11kg.
- 5-year warranty.



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### TECHNICAL SPECIFICATION

### E45

Output power (Watts RMS) per channel	
8 ohms @ 1 kHz	1200
4 ohms @ 1 kHz	2250
2 ohms @ 1 kHz	3200
Mono Bridged	
8 ohms @ 1kHz	4400
4 ohms @ 1kHz	6400
Power reduction control	-2dB/-4dB/-6dB
THD @ rated power 4 ohms	
1 kHz	<0.008%
20Hz-20 kHz	<0.03%
Input CMRR	>90dB
Hum & Noise	-105dB
Gain (Selectable)	+32dB/+26dB/+35.75dB
Sensitivity (for rated output, 4 ohms)	+9.75dBu/+15.75dBu/+6dBu(1.5V)
Damping Factor 1 kHz, 8 ohms	>400
Frequency response	20Hz-20kHz - +0/-0.5dB
Input impedance (actively balanced)	20k ohms
Dimensions (mm) - 2U	88 x 482 x 428
Weight	11kgs
Power requirement	230 VAC @ 20 amps max 115 VAC @ 40 amps max
Connectors	
Inputs	XLR 3 pin
Outputs	4 pole SPEAKON
Controls Front panel	2 x level controls 1 x power on/off switch
Controls Rear panel	1 x Stereo/bridged mono switch 4 x PRC switches (2 per channel)
Indicators	1 x power, 2 x limit, 2 x signal present, 2 x -3dB, 2 x power reduction control (PRC), 1 x auto protect, 1 x bridged.

