

T3500

T Series

Power Amplifiers

The *T Series* high performance power amplifiers are designed for use in a variety of applications in the fixed installation market where sonic quality is the highest priority. The T3500 at 1850 W per channel will bring the well renowned MC² sound quality and reliability to a wider range of users.



Building on the MC² commitment to sound quality and reliability, this exciting new amplifier has been designed with complementary AB bipolar outputs, using the unique MC² current driven floating drive stage and conventional analogue level controls. The sound quality is maintained over a very wide range of load and temperature conditions. New, low distortion optical limiters with automatic response times, ensure speaker protection whilst maintaining transparent sonic performance.

The control circuitry provides full protection against short circuits, DC and excessive temperature together with inrush current limiting and delayed 'turn on'. All adding up to a genuine 'state of the art' amplifier.

All MC² products come with a full 5-year warranty.

Information

- Complementary class A/B bipolar outputs, using the unique MC² current driven floating drive stage, which gives one of the 'cleanest' sounds available.
- Sophisticated monitoring of amplifier temperature and load conditions.
- Proprietary control and protection circuitry continuously checks for all fault conditions such as shorted outputs, DC on outputs, excessive temperature (blocked air flow), component failure etc... and disconnects the outputs if such an event occurs.
- Low noise vari-speed fans.

- Low distortion optical limiters prevent speaker damage from clipped signals whilst maintaining transparent sonic performance.
- Audio 'fade-up' on Power-on.
- Optional internal crossover cards available.
- New proprietary 'Ultra Cool' heatsink.
- Full mains inrush protection.

MC²
AUDIO

T3500

Technical Information

Connectors

| | |
|----------------|----------------|
| Inputs | XLR 3 pin |
| Outputs | 4 pole SPEAKON |

Controls

| | |
|--------------------|---|
| Front panel | 2 x level controls 1 x power on/off switch |
| Rear panel | 1 x stereo/bridged mono switch |

Indicators

| | |
|--|---|
| | 1 x power, 2 x limit, 2 x signal present 1 x auto protect, 1 x bridged |
|--|---|

Specifications

(Power ratings at 240 V supply, unit set to operate at 240 V)

Output Power per channel, continuous music (watts)

| | |
|--------|------|
| 8 ohms | 950 |
| 4 ohms | 1850 |

Output Power per channel, continuous sine wave (watts RMS)

| | |
|----------------|-------------------------------------|
| 8 ohms @ 1 kHz | 950 |
| 4 ohms @ 1 kHz | 1700 |
| 2 ohms | Not designed to operate into 2 ohms |

Mono Bridged 8 ohms @ 1 kHz 3300

THD @ rated power 4 ohms 1 kHz <0.008%
20 Hz-20 kHz <0.03%

Input CMRR >90 dB

Hum & Noise -105 dB

Gain 32/36 dB (Internally selectable)

Sensitivity for rated output, 4 ohms +8.5d Bu / +4.5dBu (+2.0 V / +1.3V)
(Internally selectable)

Damping Factor 1 kHz, 8 ohms >400

Frequency response 20 Hz-20 kHz - +0/-0.5 dB

Input impedance (actively balanced) 20k ohms

Dimensions (mm) - 2U 88 x 482 x 428

Weight 22.5 kg

Power requirement 220/230/240 VAC (Internally selectable)
@ 12.0 amps (Nominal)
100 / 120 VAC (Internally selectable)
@ 24.0 amps (Nominal)

Power requirements: T3500 is fitted with either a 100/120 V or 220/230/240 V tapped transformer, according to customer requirements.

MC²
AUDIO

Kingsgate

Heathpark

Honiton

Devon

ENGLAND

EX14 1YG

Tel: +44 (0)1404 44633

Fax: +44 (0)1404 44660

website: www.mc2-audio.co.uk

email: mc2@mc2-audio.co.uk