MPC1500 EU Power Controller

White Paper

Today's AC power is littered with byproduct from the operation of millions of personal computers, satellite set-top boxes and myriad other noise inducing devices. This noise, which reaches into the megahertz region, eludes the capabilities of many traditional audio and video power supplies and presents a performance impediment to those who seek the very best from their systems. The MPC1500 Power Controller, the first-ever such product from McIntosh, provides total isolation, low noise, and maximum power transfer to enable the best performance possible from your McIntosh components.

The MPC1500 employs a large torroidal transformer that has been specially wound to act as a low pass filter to remove unwanted harmonic noise on the incoming Mains as well as noise from electric motors, lighting dimmers, and other sources of interference found inside the home. Because it utilizes a transformer, the MPC1500 decouples all connected components from the Mains allowing for efficient attenuation of induced noise from 1 KHz to 1 MHz. The MPC1500 thus maximizes the operating efficiency of all connected components. Superb manufacturing technique and quality control insure that the MPC1500 transformer is completely silent, emitting no audible noise of its own.

- **6 CEE 7 (Schuko) Outlets**
- **1,310 Watt, 5.7 Amp capacity**
- **Supports McIntosh Power Control and 12V trigger**
- **Superior, torroidal transformer based noise suppression**
- **Meter illumination may be switched off for theater use**

The decision to utilize a more expensive, transformer-based noise suppression solution in the MPC1500 yields an important collateral benefit; it has the effect of lowering the transient impedance of the Mains. *The result is that all components, most notably power amplifiers, are able to draw current more effectively when connected through the MPC1500 than when connected directly to the Mains outlet.*

The nature of music, which can be at turns furiously dynamic and incredibly complex, places enormous demands on the power amplifier. *With the MPC1500 in circuit both tone and timbre remain remarkably true to life; imaging is clear and dynamic contrasts are resolved no matter the intensity of the playback material.* The MPC1500 provides that last bit of refinement from which even the most sophisticated systems can benefit.

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Additionally, a quick-acting surge suppression circuit features a clamping voltage onset of about 2V above peak nominal voltage for the best possible product protection. This extremely reliable circuit contains no Metal Oxide Varistors (MOVs), and as a consequence its performance does not degrade with time or frequency of use.

Two custom meters provide quick recognition of current and voltage status. Six Mains outlets allow for the connection of up to six separate components. Total current draw for all components is 1,310 Watts, 5.7 Amps, and total current is available through any single outlet. Outlets may be configured to operate uniformly or in a combination of modes for unmatched flexibility: ON (outlet(s) powered on even when the MPC1500 is powered off), GLOBAL (outlets are switched on in groups via Power Control or front panel), or LOCAL (outlets are switched on individually via Power Control). Three 12V trigger outputs are included for easy interface of third party components with your McIntosh system.

For additional information contact Jim Ludoviconi, Senior Dealer Support Manager:
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Please Note:

The MPC1500 EU supports 230V 50/60 Hz operation and comes equipped with 6 CEE7* (Schuko) outlets. The use of the MPC1500 EU with 230V 50/60 Hz rated equipment whose power cord is terminated with plugs other than CEE7/7 (Schuko) may be possible, but is not guaranteed, subject to local electrical codes.

* The standard, Class 1 grounded mains plug used in Germany, Austria, the Netherlands, Sweden, Norway, and Finland.

Local Regulatory Agencies in other countries should be contacted so as to check for suitability of use.