Show Controller Specification

The unit shall provide dual 100 Base-T Ethernet ports.

The unit shall provide 4 serial ports, a MIDI port, and 16 outputs, with 16 input triggers.

Each serial port shall be capable of RS-232 or RS-422 communication.

Each of the 16 outputs shall be dry contact closures, capable of handling up to 1A, and fused with self-restoring polymer fuses.

Each of the 16 inputs shall be opto-isolated voltage or contact closures.

A front panel, backlit LCD shall be capable of displaying eight lines by 42 characters of user-defined data.

The unit shall be capable of reading or generating linear timecode in SMPTE or EBU formats. The unit shall be capable of synchronizing to NTSC or PAL video sync.

The unit shall incorporate a battery backed realtime clock with automatic synchronization to Internet time servers.

The unit shall be capable of multi-tasking. Show storage will be provided on removable Comact Flash cards.

The unit will be powered by a CE compliant power supply.

The programming environment shall use the Windows operating system. The programming must allow assignment of start, stop and reset triggers for each sequence, and support user-defined serial protocols.

The unit shall operate stand-alone; a computer shall not be required for normal operation. The unit shall require no more than two units of space in a standard 19 inch equipment rack.