Show Controller Specification

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

Each serial port shall be capable of RS-232 communication at baud rates up to 38.4 Kbaud. Four serial ports shall be configurable for RS-422 operation. One shall be configurable for MIDI.

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.

A front panel, backlit LCD shall be capable of displaying two lines by 40 characters of user-defined data.

The unit shall be capable of multi-tasking, processing up to 256 simultaneous sequences of unlimited length. 64Kbytes total show storage in non-volatile EEPROM shall be provided.

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

The unit shall be capable of synchronizing to NTSC or PAL video sync.

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.