Show Controller Specification

The unit shall provide 2 serial ports, a MIDI port, and 8 outputs, with 8 input triggers.

Each serial port shall be capable of RS-232 communication at baud rates up to 38.4 Kbaud.

Each of the 8 outputs shall be lamp drivers, capable of syncing up to 500mA individually, or 150mA if used simultaneously.

Each of the 8 inputs shall be opto-isolated.

A front panel, backlit LCD shall be capable of displaying two lines by 16 characters of user-defined data.

The unit shall be capable of multi-tasking, processing up to 256 simultaneous sequences of unlimited length. 24Kbytes 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 one unit of space in a standard 19 inch equipment rack.