

V16 PRO™

Frame Accurate Controller
Model V16PRO



SHOW CONTROL

The V16 Pro is our top of the line controller. It's designed to control both serial and Ethernet devices and since it is not a PC, it's easy to understand why the best entertainment venues in the world rely on us to run their show.

FEATURES:

- ▶ No Moving Parts
- ▶ Easy Timeline Programming
- ▶ Redundant Mode
- ▶ Dual Ethernet Ports
- ▶ 16 Opto Inputs/16 Relay Outputs
- ▶ 16 RS-232/422 Ports
- ▶ Video Frame Synchronization
- ▶ Timecode Reader/Generator

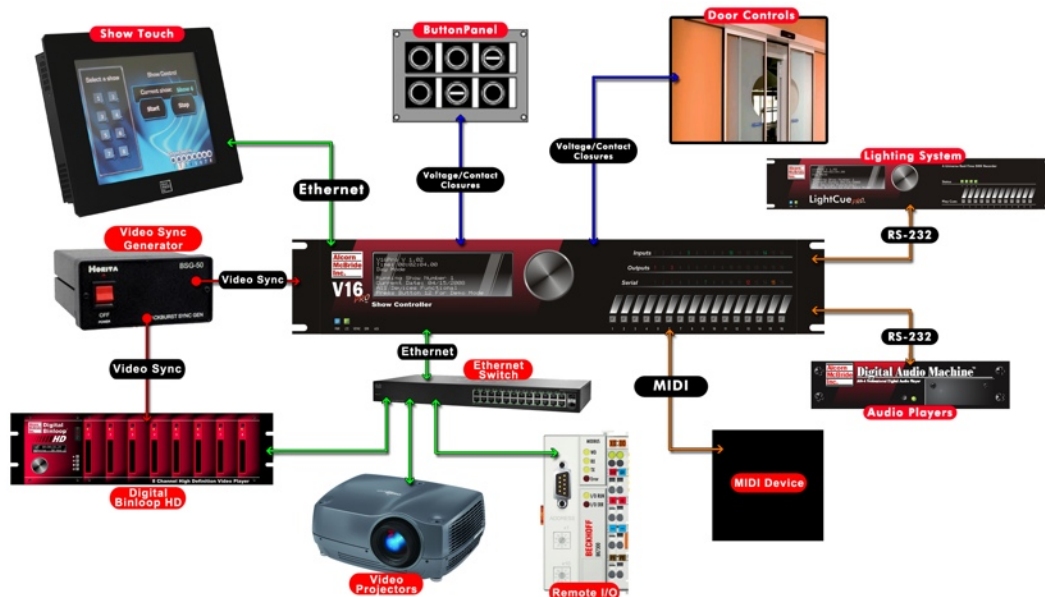
APPLICATIONS:

- ▶ Theme Parks
- ▶ 4D/5D Theater
- ▶ Museum Exhibits
- ▶ Simulation Environments

For over two decades, the V16 has been the industry standard for show control in major theme parks all over the world. The V16 Pro builds on that legacy of stability, ease of programming, and reliability and adds customer requested features.

The V16 Pro features dual Ethernet ports, real-time clock scheduler, SMPTE timecode, incoming message processing, Graphical User Interface (GUI), and much more. The Timeline feature offers a flexible way to program events on the Pro Controllers, which supports hundreds of time-based and event-based sequences and hundreds of timelines. This feature allows users to add markers, drag and drop events, add triggers, and group related events for fast editing. With the flexibility of timeline, users can change event values and times all while the show is running. Timeline can zoom in to a specific point in the show and mix timed and logical events on a single view without overlapping events.

The V16 Pro is not a PC. Its embedded design means it is capable of running every day for years without ever requiring a reboot, software update or maintenance of any kind.



**Alcorn
McBride
Inc.**

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PRODUCT SPECIFICATIONS

Front Panel:	8 x 40 VFD Display Power LED Acknowledge (ACK) LED Error LED Timecode LED Video Sync LED 16 Serial Activity LEDs (Bi-color for TX and RX) 16 Input Status LEDs 16 Output Status LEDs 16 Programmable Pushbuttons
Rear Panel:	USB 2.0 Programming Port Serial Programming Port DB-9M 16 Serial Ports DB-9M MIDI Input 5-pin DIN Female MIDI Output 5-pin DIN Female Discrete Inputs DB-37M Discrete Outputs DB-37F Video Sync Input BNC Timecode in and out XLRs (600 Ohm balanced, 1-4 V p-p) Dual 10/100 Base-T Ethernet RJ-45 Power locking barrel connector 4 Position DIP Switch: 75 ohm Sync Termination, Sync Type, Reset, Option
Serial Ports:	RS-232C or RS-422, individually software configurable 300 baud - 115.2 Kbaud 7, 8, or 9 Data Bits 1 or 2 Stop Bits All parity types
Opto Inputs:	Individually software configurable for voltages or contact closures Input voltage range 5-24 VDC, 5 mA maximum Hardware protected against misconfiguration Trigger latency < 1 frame
Relay Outputs:	Contact closures limited internally to 900 mA Self-restoring polymer fuses
Show Memory:	CompactFlash
Size:	19" W x 3.5" H x 10.25" D (48.25 cm W x 9 cm H x 26 cm D), 2RU
Operating Temperature:	0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity
Weight:	9.5 lbs. (4.3 Kg)
Operating Environment:	0-90% relative humidity, non-condensing
AC Adapter:	100 to 250 VAC, 50 to 60 Hz, 20W maximum
Power Supply Compliance:	CE, UL, CSA, WEEE, RoHS

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