

# 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

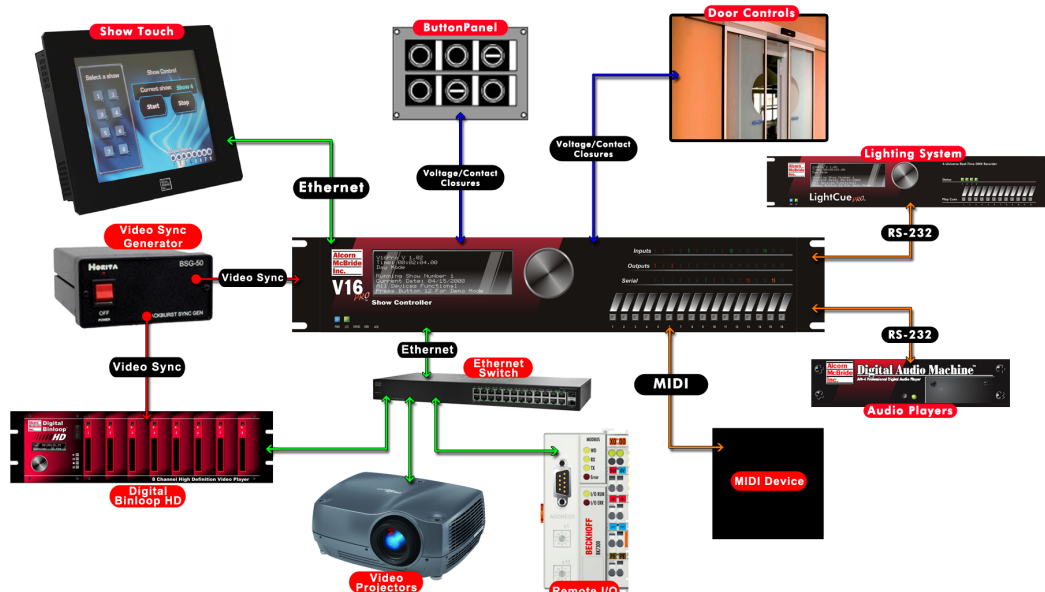
### APPLICATIONS:

- ▶ 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.

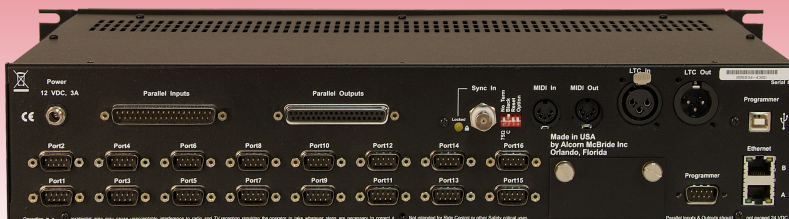
The V16 Pro is not a PC. Its embedded design means it is capable of running every day for years without ever requiring a reboot, software update or maintenance of any kind.



**Alcorn  
McBride  
Inc.**

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SHOW CONTROL

## 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
Serial Ports:	Power locking barrel connector
	4 Position DIP Switch: 75 ohm Sync Termination, Sync Type, Reset, Option
	RS-232C or RS-422, individually software configurable
	300 baud - 115.2 Kbaud
	7, 8, or 9 Data Bits
Opto Inputs:	1 or 2 Stop Bits
	All parity types
	Individually software configurable for voltages or contact closures
	Input voltage range 5-24 VDC, 5 mA maximum
	Hardware protected against misconfiguration
Relay Outputs:	Trigger latency < 1 frame
	Contact closures limited internally to 900 mA
	Self-restoring polymer fuses
	CompactFlash
	19" W x 3.5" H x 10.25" D (48.25 cm W x 9 cm H x 26 cm D), 2RU
Size:	
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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[www.alcorn.com](http://www.alcorn.com)

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Specifications subject to change without notice.