

V16 PRO™

Frame Accurate Controller
Model V16PRO-S



SHOW

The V16 Pro is our top-of-the-line show controller. It's uniquely designed to suit the complicated control needs and ease-of-maintenance demanded by modern attractions.

FEATURES:

- ▶ No Moving Parts
- ▶ Easy Timeline Programming
- ▶ Redundant Mode
- ▶ Dual Ethernet Ports
- ▶ 16 Opto Inputs/16 Relay Outputs
- ▶ 16 RS-232/422 Ports
- ▶ Audio/Video Synchronization
- ▶ Timecode Reader/Generator
- ▶ Extensive control library w/100's of devices

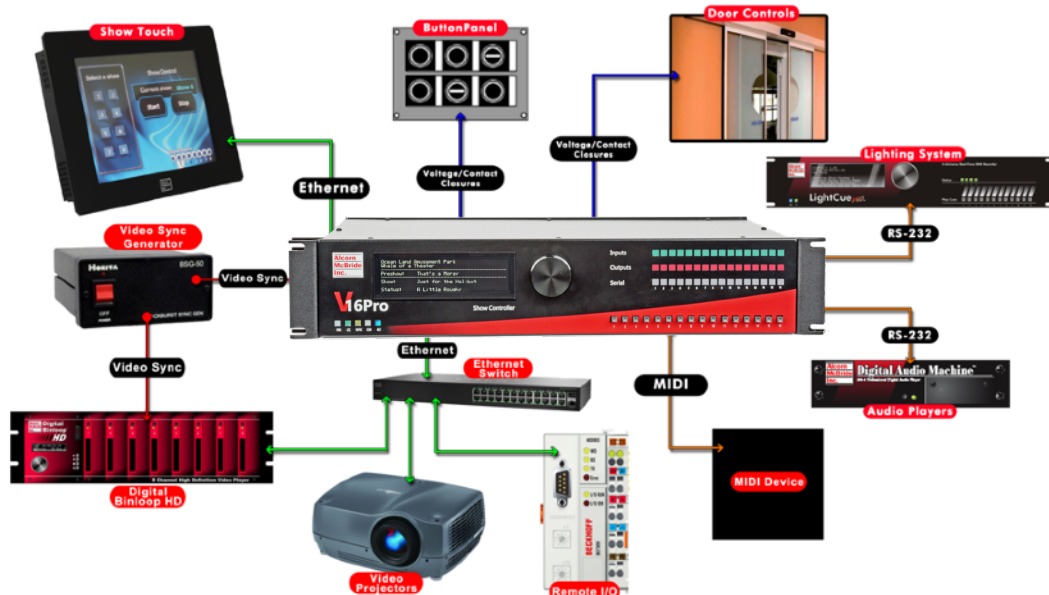
APPLICATIONS:

- ▶ Theme Parks
- ▶ 3D/4D Theater
- ▶ Museum Exhibits
- ▶ Simulation Environments

We believe that attraction designers should spend more time focusing on their vision than worrying about how to make it work. That's why we designed the V16 Pro to use a script-like approach that makes it easy to translate creativity into functional control. Its purpose-built solid-state design ensures that the creative intent is delivered consistently throughout the life of the attraction.

The V16 Pro features all of the control interfaces common with themed attractions including dual Ethernet ports, serial, MIDI, SMPTE timecode, real-time clock, discrete IO, and easy touch panel integration. Its extensive library of devices allows you to control hundreds of devices with easy-to-understand commands like "Play" and "Power On" without dealing with complicated control protocols. The timeline feature ensures that audio, video, lighting, effects, and other common entertainment systems are precisely synchronized with each other to ensure an amazing guest experience.

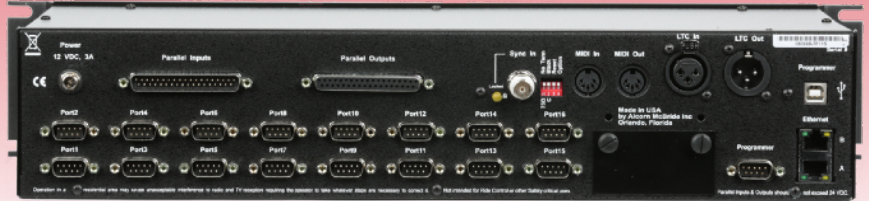
The V16 Pro is not a computer. Its purpose-built design means it is capable of running your attraction with perfect consistency and absolutely no maintenance throughout the life of the attraction. It's easy to understand why the best attractions in the world have been relying on Alcorn McBride to run their show every day for the past 30 years.



**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:	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 (Genlock)
	SMPTE LTC in and out XLRs (600 Ohm balanced, 1-4 V p-p)
	Dual 10/100 Base-T Ethernet RJ-45
	Power locking barrel connector
Serial Ports:	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
	1 or 2 Stop Bits
Opto Inputs:	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
Show Memory:	Self-restoring polymer fuses
	SD Card
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:	CE, UL, CSA, WEEE, RoHS

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