

MEDIALON SHOWMASTER iPro

> PLC-Embedded Show Controller

FEATURES

- **PLC embedded Show Control**
- **Real Time PLC control environment (require separate Step7 license)**
- **Extensive PLC IOs**
- **Real Time 2 ways communication with PLC programming**
- **Retentive Data memory**
- **No moving parts**
- **Profinet**
- **Drag & drop programming**
- **Multiple Timeline Programming**
- **Sync Accuracy 100th / Sec**
- **Device Position Tracking**
- **DMX, Serial & MIDI Recording**
- **Logical Programming**
- **Real time testing (no Compile / Download / Test / Startover)**
- **Alarm via Email**
- **Medialon Extension supported (ioBox)**
- **Third Party Extension supported**



OVERVIEW

Medialon Showmaster iPro is a Medialon Control software running in a Siemens mEc PLC in parallel with the regular Siemens real time environment.

This unique combination of PLC and Show Controller in the same box benefits from the advanced two-way communication and the real time sync between the two environments.

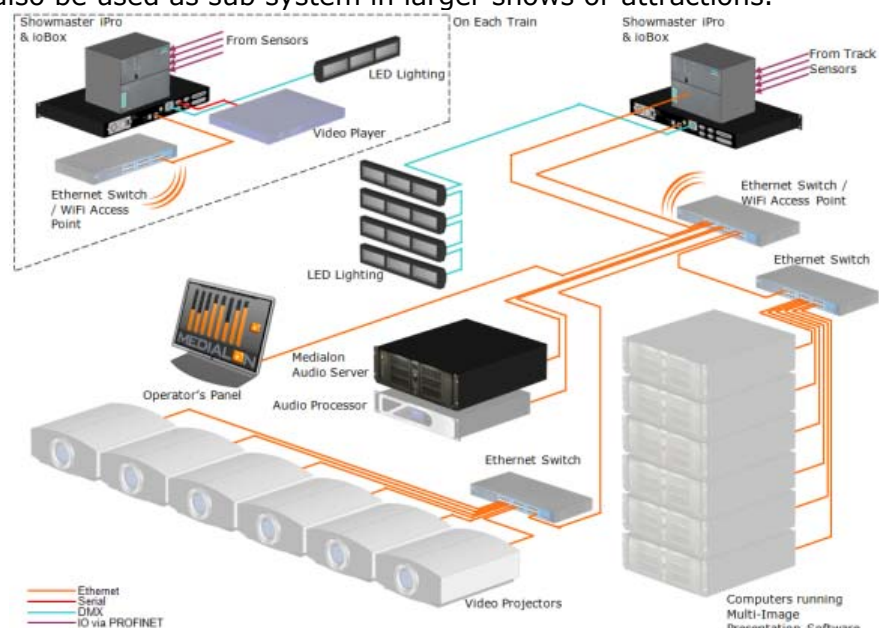
Its free editing software, Showmaster Editor, embeds most of the features of our award winning technology such as devices synchronization & logical programming as well as real time testing.

It supports multiple timelines, third party interfaces, unlimited touch panels connections and signal recording.

APPLICATIONS

Showmaster Pro is designed for medium to large Show Control application in Museums, Showrooms, Stores and Restaurant or attractions, or when large amount of controlled devices requires additional interfaces.

It can also be used as sub system in larger shows or attractions.



Part Number

- **SWMIPRO** - Showmaster iPro, PLC-Embedded Show Controller, with Showmaster Editor Software included.

Dimensions

- Rack: NC, Stand-alone: 160 (W) x 125 (H) x 115 (D) mm (6,3" x 4,92" x 4,53"), Packing: NC Mountable on Siemens SIMATIC Rail

Weight

- Rack: 3,3 lbs/1,5 Kg
- Packaging: NA

Power

- 24VDC / 0.8A / 20W (Actual power requirement is usage dependant). PS 305 or PS 307 Power Supply module is required to 110/240V operation

Enclosure

- Metal and Plastic with matte Gray finish

Certifications

- CE, FM, UL, EX (Atex) - 2006/95/EC - 2004/108/EC - 94/9/EC - UL 508 - CSA C22.2 No. 142 - UL 1604 - CSA-213 - FM: Class I, Division 2, Group A, B, C, D Tx; Class I, Zone 2, Group IIC Tx - EN 60079-15:2005

Front Panel

- Power Switch
- 10x Status LEDs
- Run / Stop / MRES
- 3x 10/100 Base-T Ethernet Ports (2 for PLC IP & Siemens Profinet, 1 for Show Control IP)
- 2x USB 2.0 Ports
- Power supply connections
- MMC slot, including the ejector

Rear Panel

- 1x Connector for expansion modules for Profibus accessories

System

- 1 GB RAM
- SIMATIC PC CompactFlash Drive, 2GB
- SIMATIC S7 mEC 31 PLC, Intel Core Duo, 1.2 GHz Processor

Environmental

- Operating Temperature: 0°C/32°F to 50°C/122°F
- Operating Humidity: IP20
- Acoustic Noise: NC
- Heat Dissipation (Typical): NC BTU/hr - A minimum clearance of 100 mm to components installed above or underneath the device, is mandatory

Reliability

- NA

Included Accessories

- 1x Power Cord
- 1x Showmaster Editor Installation DVD
- SIMATIC Documentation CDs
- 1x Showmaster iPro Reference Guide

Recommended Accessories

- SIMATIC NET Industrial Ethernet Switch
- All Siemens Profinet Accessories
- All Siemens Profibus Accessories

Software Specifications

- Native PLC 2 ways Communication
- Drag & Drop Programming
- Multitasking: Several tasks can run simultaneously in synchronization or separately
- Unlimited number of TimeLines for Synchronisation
- 1/100th Sec Sync Accuracy
- Time Code: 24, 25, 30, 30DP, and 100 fps base time supported. User defined or automatic type selected
- Device Positracking (Sync)
- Recording (DMX, MIDI, Serial)
- Logical Programming Operators: +, -, *, /, %, ^, =, ==, !=, >, <, >=, <=, |, &, #, ()
- Logical Programming Functions: Hours, Minutes, Seconds, Frames, Day, Day Of The Week As Name, Day Of The Week As Number, Month, Year, Lower Case, Upper Case, Length, Char At, Get Field Of Enum, Get Index Of Enum, Random, Sqrt, Round, Ceil, Floor, Abs, Max, Min, Sin, Asin, Tan, Atan, Cos, Acos, Ln, Log, Exp
- Variables Type: Integer, String, Time, Date, Enum. Unlimited number of variables
- Real Time program testing
- Drivers Editor
- OpenCap Protocol
- Log Files
- Unlimited number of Panels (or Panel server)
- Alarm via Email

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