



*Build unique, animated lighting displays at your home or business!*

**PO16-MB**



## 16-channel, plug-and-play lighting controller

Attract a crowd to your home or business with a lighting display powered by the PO16-MB. Easy to use, all you have to do is plug your lights into the provided female outlets to bring your display to life!

- Leverage dozens of lighting effects
- Works with existing and new lighting fixtures and strands
- Use the included pre-programmed lighting shows

This product is delivered fully assembled and includes:

- LC-16 Sixteen Channel Light Controller
- MB Monster Brain Animation Processor
- ENC-1 Enclosure
- AC3-PIN Power Cable
- AC3-POUT Receptacle Dangle (16)

Extend the capabilities of the PO16-MB with these add-ons:

- **MP3 Controller:** Synchronize lighting displays to music
- **Animation Director:** Write your own lighting shows
- **PO-8 or PO-16:** Add lighting channels to your display



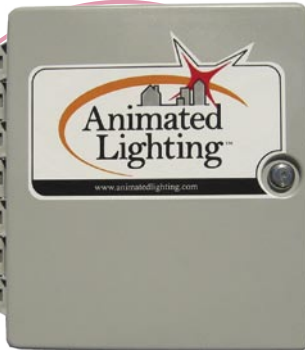
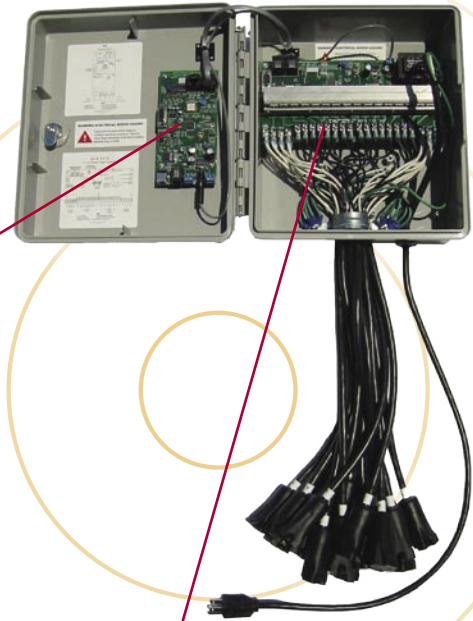
# PO16-MB | Technical Specifications

Each PO16-MB is delivered with several pre-programmed lighting routines. Simply connect your lights to the provided female outlets and plug the PO16-MB to your power source.

## Monster Brain Animation Processor



- **PC Connection:** Serial or USB
- **Supply Voltage:** 12V DC from adapter
- **Show Memory:** 64K non-volatile flash
- **Additional Memory:** Standard MMC cards
- **Digital Inputs:** One Opto-Isolated Input
- **Analog Input:** One 0-5V Analog Input
- **X10 Control:** X10 Control with optional X10 module
- **Outputs:** Two RS485 connectors
- **Clock/Calendar:** Built-In Clock/Calendar
- **Built-in programs:** 16 Switch Selectable Programs
- **Speed:** Manual Speed Control for Show Speed



## Enclosure

- **Weather resistant**
- **Keyed lock**

## Add-On Products

- **MP3 Controller:** For synchronizing music
- **Animation Director:** For building your own lighting shows
- **PO8 or PO16:** For adding lighting channels to your display

## LC-16 Lighting Controller

- **Channels:** 16
- **Channel Capacity:** 10 amps per channel
- **Board Capacity:** 15 amps total per board (higher outputs are available)
- **Protection:** Fused for 15 amps although the boards can handle up to 20 amps. Transient protected with Metal Oxide Varistors (MOVs)
- **Isolation:** Low voltage section is optically isolated from the outputs
- **Control Input:** RS485 via RJ45 Jacks (Serial and TTL optional)
- **Addressing:** Up to 256 possible addresses
- **Supply Voltage:** 120/240VAC, 50/60Hz
- **Connections:** Terminal Strips, 14AWG or #6 spade lugs max
- **Dimming:** 256 levels



- **Effect Timing:** 0 – 12.7 seconds
- **Effects:** Ramp, Fade, Pop, Sparkle, Blink, Flicker, Shimmer, Reverse-Pop
- **Sequences:** Multiple built-in sequences
- **Scenes:** Multiple scenes can be defined for fast scene changes
- **Groups:** Up to 120 groups can be defined and stored in non-volatile memory
- **Presets:** Internal settings for high-burn and low-burn adjustments