



Physical Connection Guide

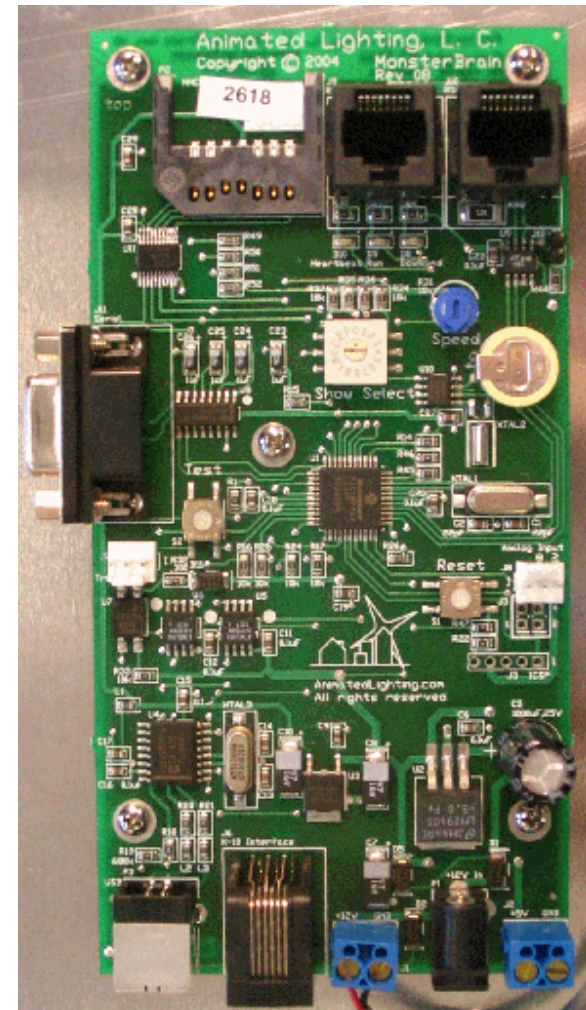
**How to connect a MB to
a computer and other devices.**

Training Overview
February 25, 2005

Introduction

The Monster Brain Animation Processor is the central point or “hub” of your multimedia display. The Monster Brain can control up to 256 networked controllers such as:

- **Light Controllers**
- **MP3 Players**
- **Digital Input Controllers**
- **Digital Output Controllers**
- **DMX Interface Controllers**
- **Servo Controllers**
- **X10 Devices**



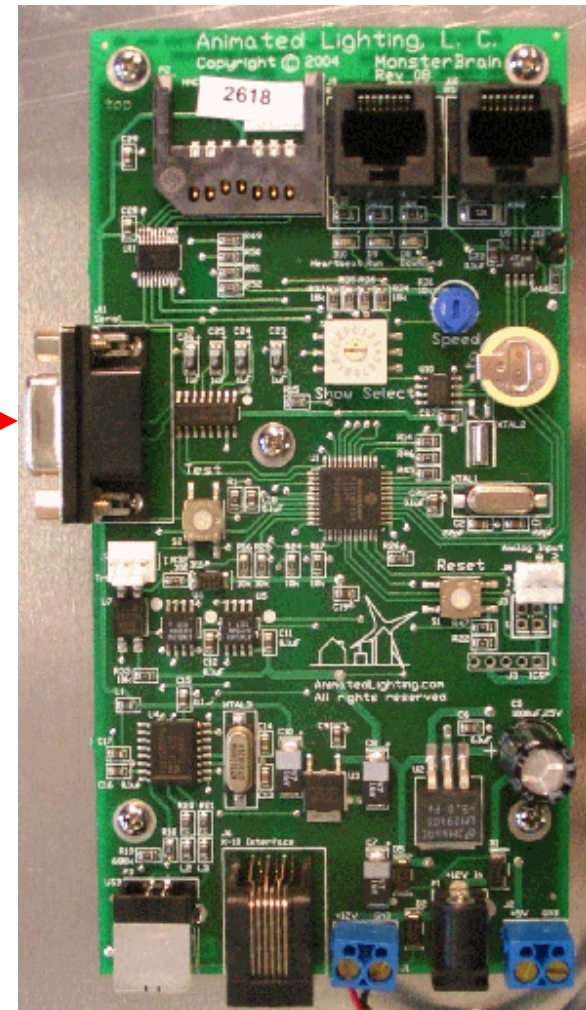
MB to PC Connection

Requires a 9-pin serial male to female serial cable

- Connect one end of cable to computer's serial port
- Connect other end of cable to the serial port on the **Monster Brain** as show in the diagram.
- If a computer does not have a serial port then one can use a **USB-to-serial adapter**, available at most computer stores.

Additional Notes

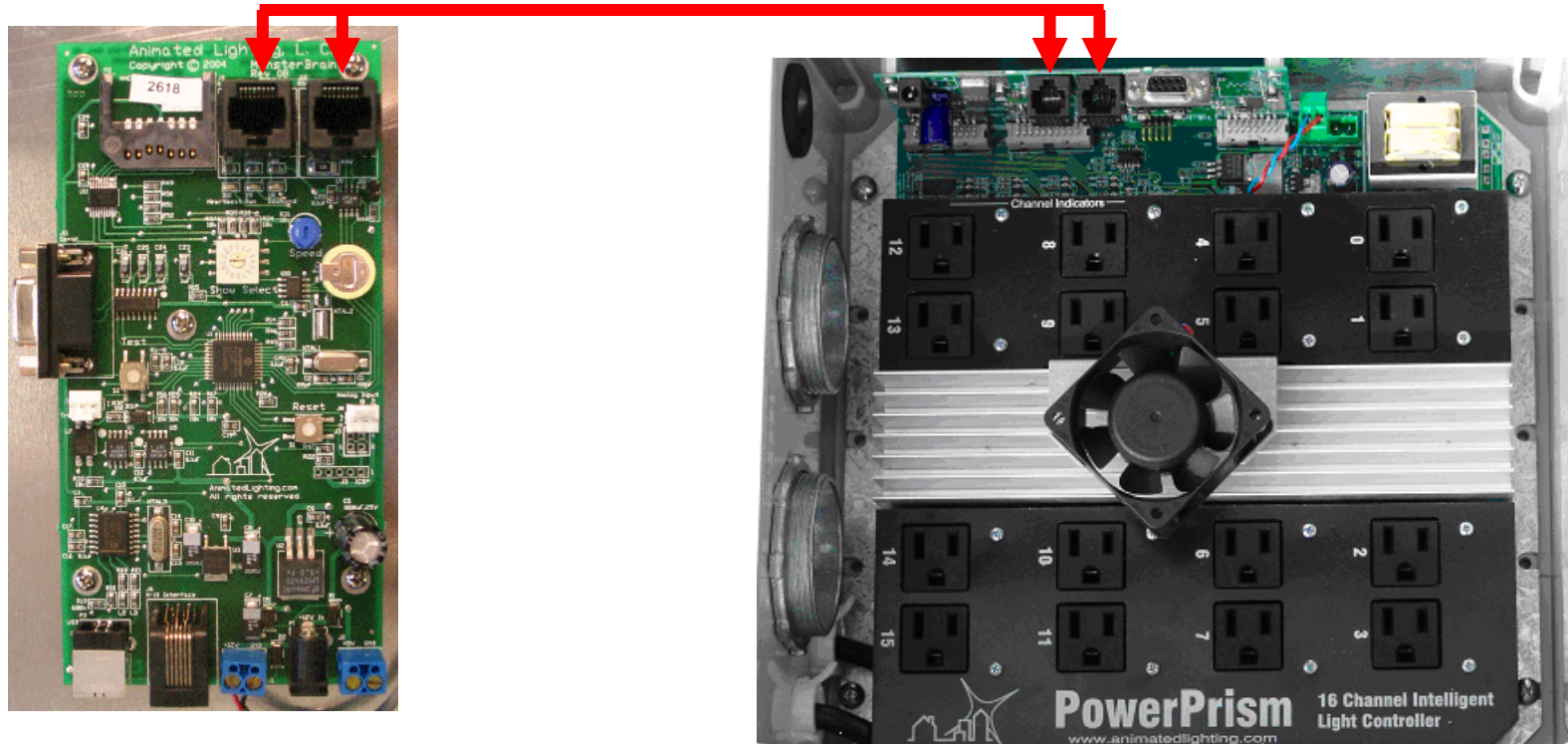
- If a computer does not have a serial port then one can use a **USB-to-serial adapter**, available at most computer stores.
- The **USB connector** on the **Monster Brain** is currently not supported.



MB to Light Controller

Typical Ethernet Cat5 or 6 network cable required

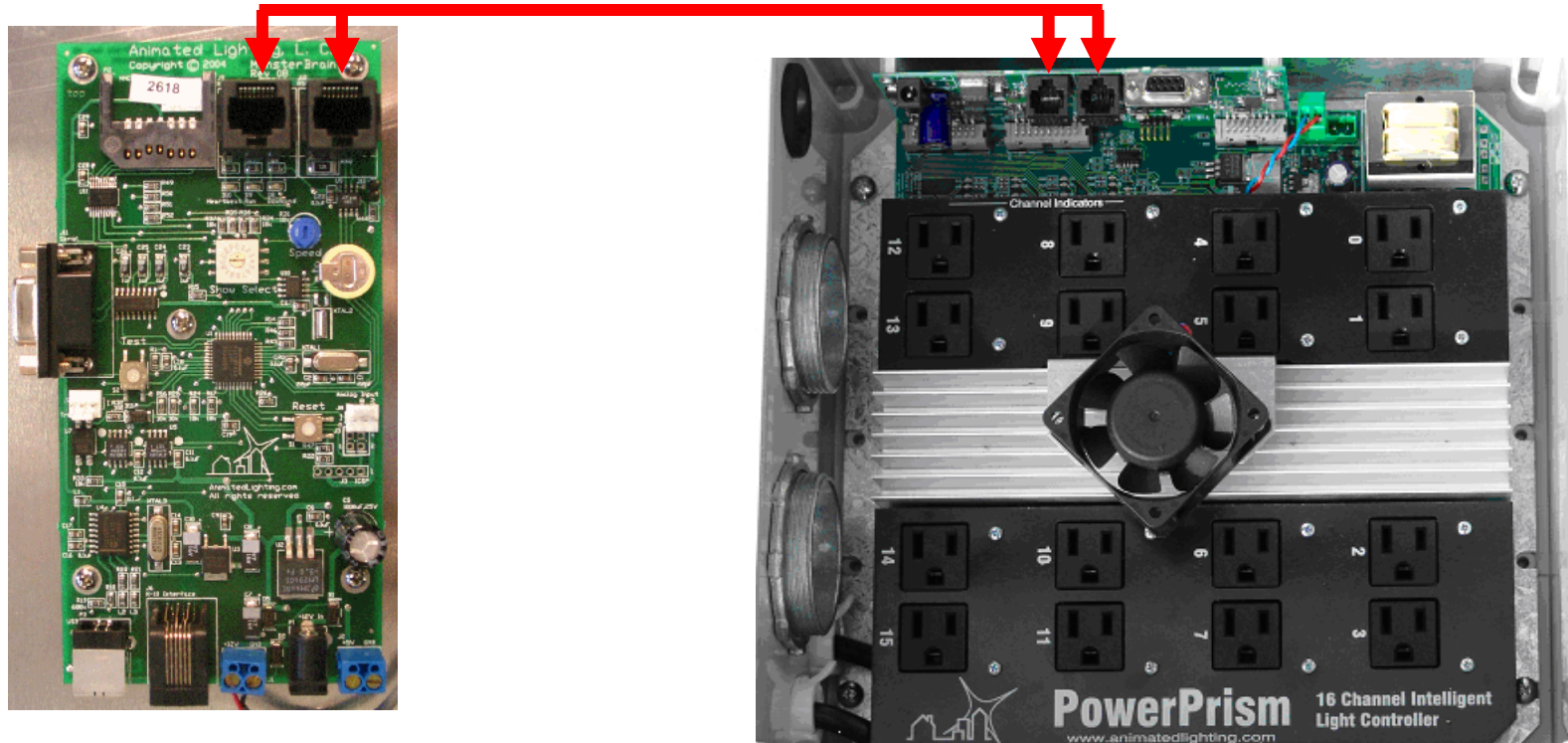
- Connect one end of cable to one of the RJ45 connectors on the Monster Brain (doesn't matter which one as long as it is unoccupied).
- Connect other end of cable to one of the RJ45 connectors on the Light Controller (doesn't matter which connector as long as it is unoccupied).



MB to Light Controller

Additional note

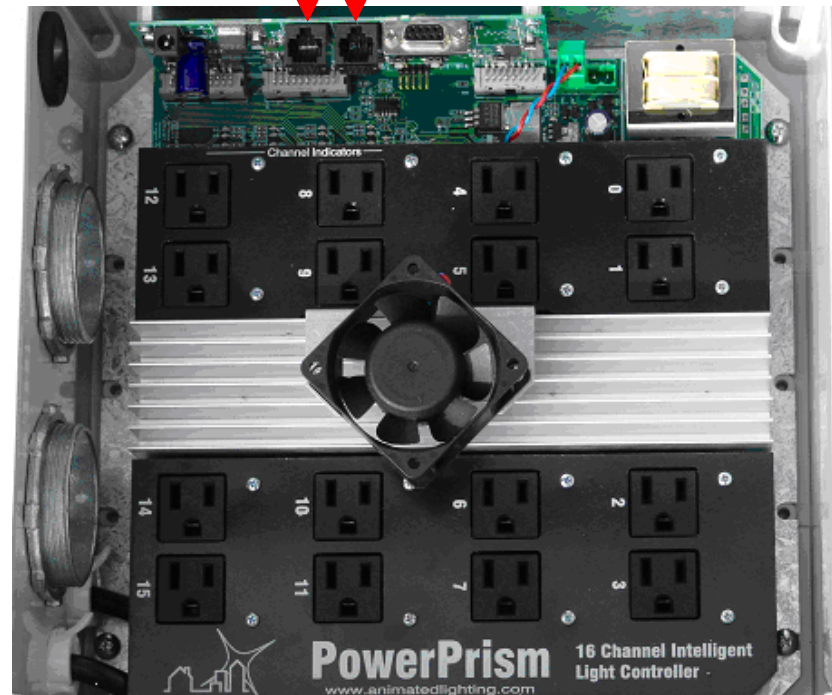
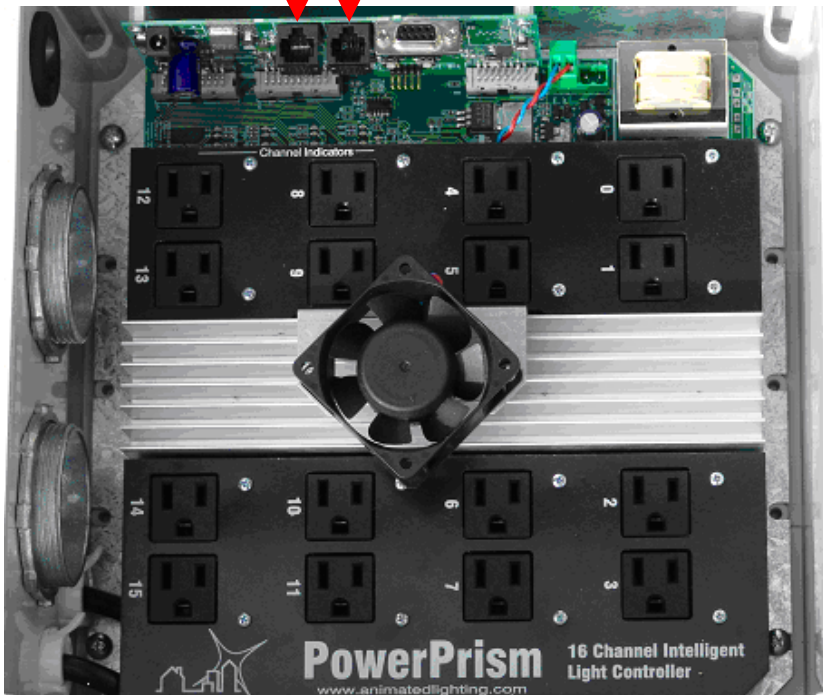
- You don't have to connect to light controller 00 from the Monster Brain. You can connect the Monster Brain to any controller and can connect the controllers in any order.



Light Controller to Light Controller

Typical Ethernet Cat5 or 6 network cable required

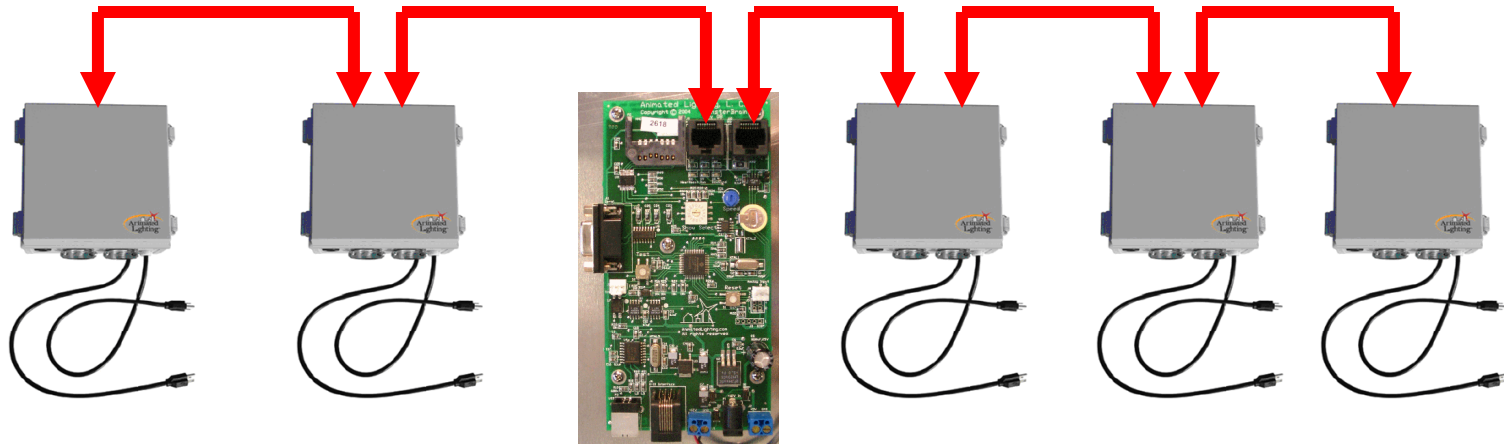
- Connect one end of cable to one of the RJ45 connectors on the first Light Controller (doesn't matter which one as long as it is unoccupied).
- Connect other end of cable to one of the RJ45 connectors on the second Light Controller (doesn't matter which connector as long as it is unoccupied).



Additional Configurations

Multiple cable paths

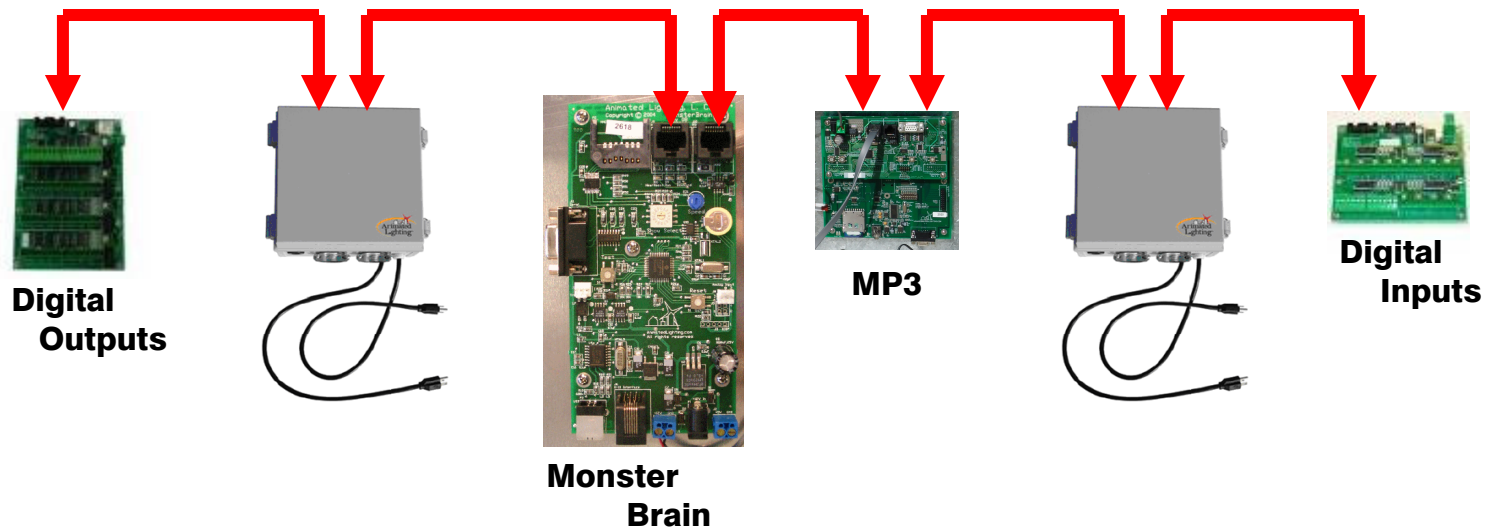
- You can run cables two different directions out of the Monster Brain.
- You can extend the daisy-chain on to other controllers.
- Total cable length for your complete network of controllers cannot exceed 4000 feet.



Additional Configurations

Multiple cable paths

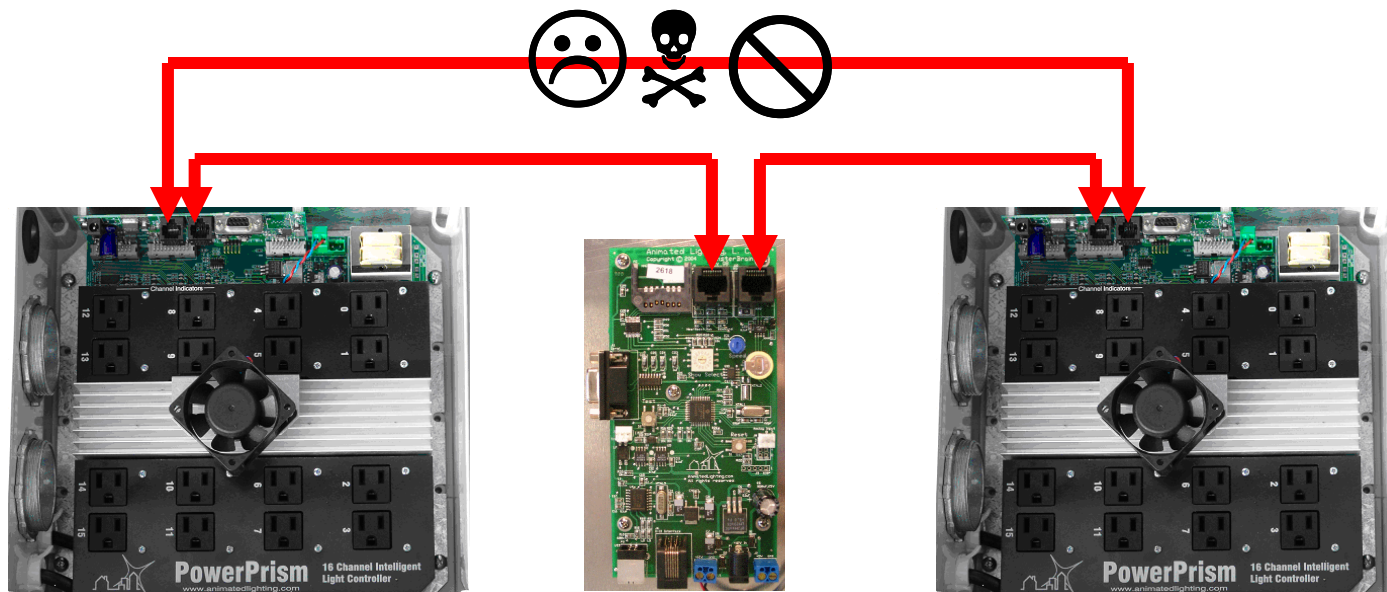
- One can extend the daisy-chain on to other controllers.
- Total cable length cannot exceed 4000 feet.



Connectivity Problems

What not to do

- Do NOT make a loop with your cabling scheme.
- Do NOT connect your data cable to an Ethernet network or network card/device.
- Do NOT connect your data cable to a power outlet.





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For sales or support please contact Animated Lighting at:

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