

MINLEON EXPRESS CONTROLLER

QUICK REFERENCE

PRECAUTIONS & INSTALLATION

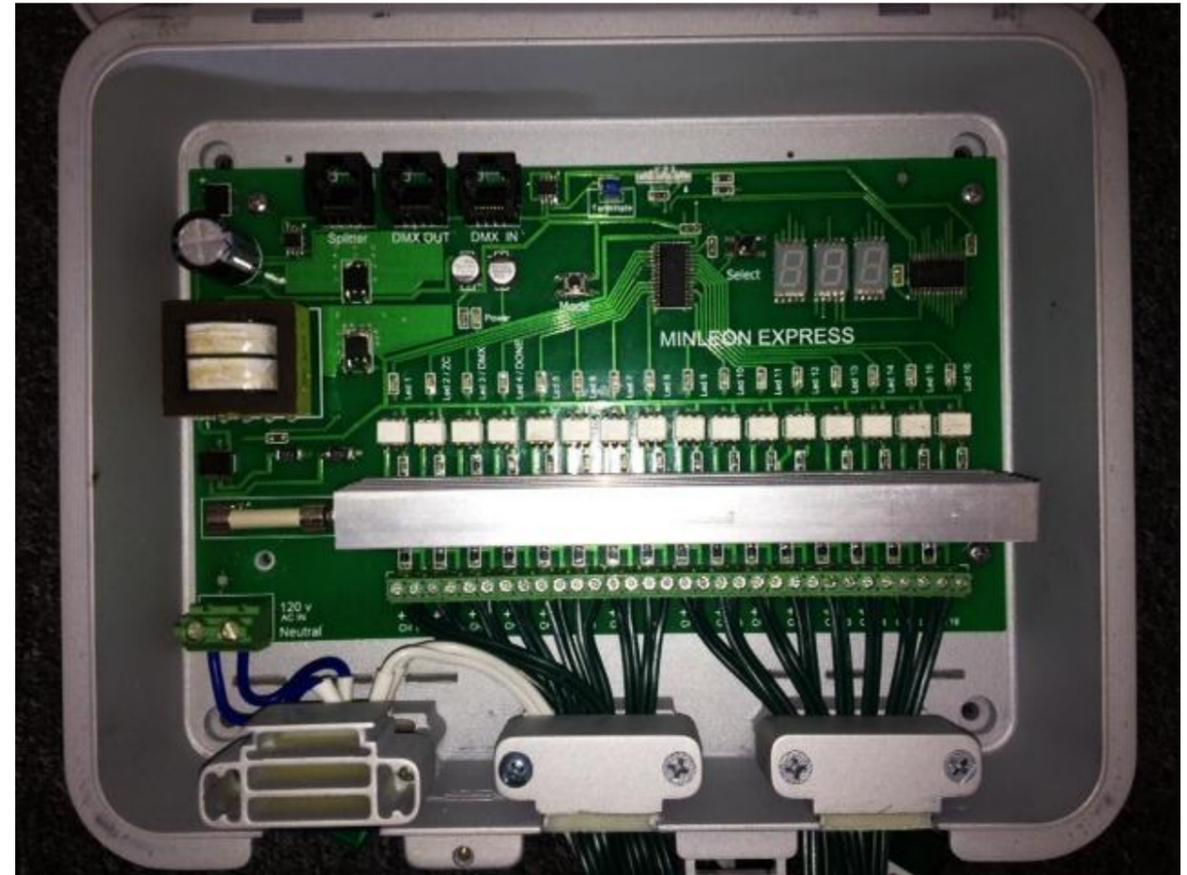


REQUIREMENTS



IMPORTANT - READ BEFORE USE

1. Warning. This controller operates and controls 110v lights. ALWAYS disconnect power before connecting and disconnecting lights. **ELECTRIC SHOCK HAZARD - DO NOT TOUCH ANY OF THE BOARD'S COMPONENTS WHEN THE CONTROLLER IS POWERED**
2. Always operate the controller with the enclosure door always closed and secured to prevent water from entering.
3. Ensure all wiring is secured and all wiring is securely connected to the terminal strip.
4. Do not over tighten the screws on the terminal as damage may occur to the controller
5. Do not place lights or controller in areas where there is extreme heat or cold.
6. Do not strain the cables of the lights as damage may occur to the wiring.

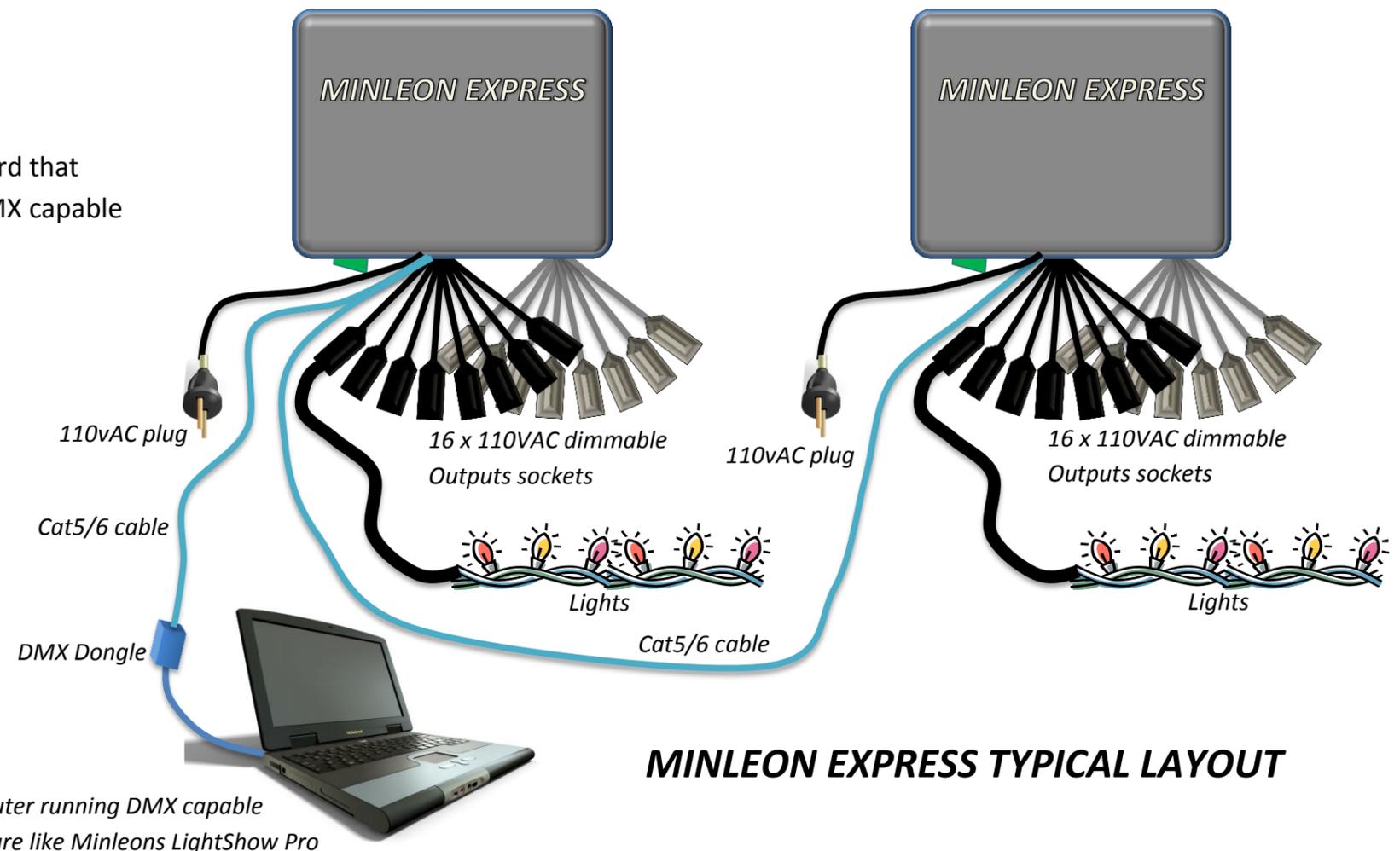


Introduction

The Minleon Express is a 16 channel 16 output 110 Volt AC dimmer controller board that allows the user to control various lighting and equipment via a computer using DMX capable sequencing software like Minleons Lights Show Pro software.

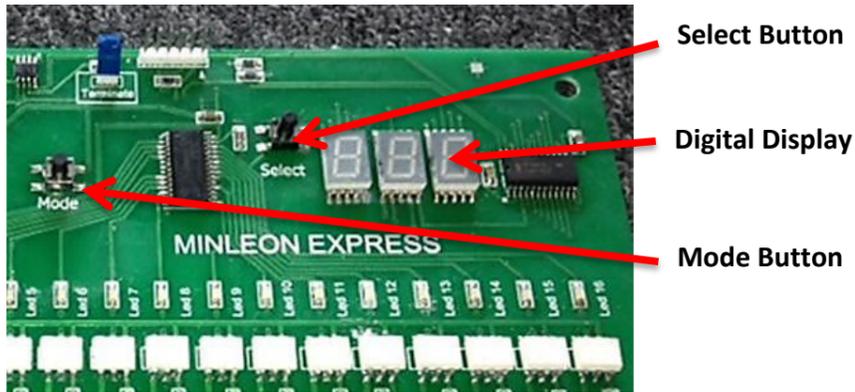
Specifications & Features

- 16 x 110VAC Dimmable Outputs
- 20 Amps Maximum Load per Board
- 2 Amps Maximum per channel/output
- Inbuilt Test Mode and channel LED indicator
- Works on Industry standard DMX
- Controllers can be connected together in a network
- Settable DMX start Address
- DMX signal Splitter
- IP56 Weather proof enclosure
- 20 Amp fuse protection



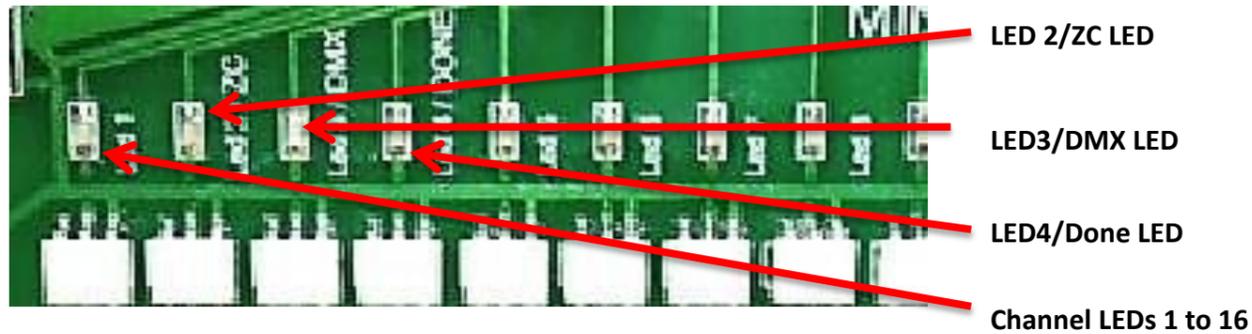
MINLEON EXPRESS TYPICAL LAYOUT

Test Mode



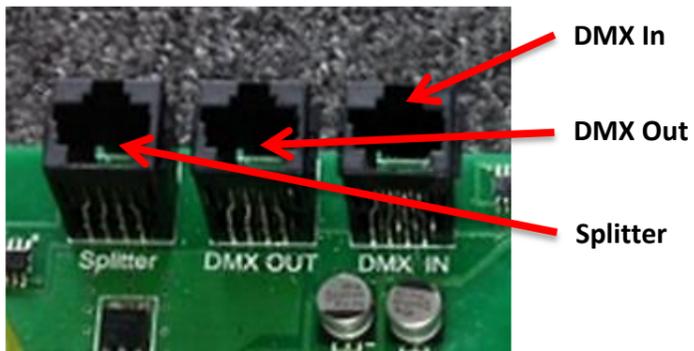
The Minleon Express allows you to test your lights and outputs without the need of a computer. To place the controller into test mode then press the mode button until the digital display shows the symbol TST. Once this is showing then press the select button. The digits in the digital display should light up in a circle pattern for a second and then the 16 channel LEDs should light up 1 through 16. Then they should flash once and finally LED 2 and LED 4 should stay on with the remaining LEDs off. (If you have a DMX Signal then LED 3 will stay on.) If you have plugs and lights attached they should go on and off with the LEDs.

Setting the Express Controller DMX Start Address



If we wanted to use the Minleon Express from channel 50 to 65 we would then need to set the controllers starting address which would be channel 50 as this is the first channel that you want to use. To change the start address you need to power up the Minleon Express controller, It will then show the controllers current start address. To change the start address you then press the mode button twice. Use the select button to then increment channel numbers. Use the mode button to set the next number as the display is set out so that the left display will change the 100th number, the middle will change the 10th and the right is single number. Once the start address is correct, then press the mode button and it is set

Connecting the Minleon Express to a DMX Network



The Minleon Express Controller must be connected from the DMX IN on the Minleon Express controller to either a computer, control desk, Minleon Express controller or DMX device outputting industry standard DMX512.

DMX/LED #3 will light up when a DMX signal is received by the Minleon Express Controller. You can connect additional Minleon Express controllers or other DMX devices by connecting to the DMX out socket,

The Minleon Express also has the ability to split a DMX signal so you can connect additional Minleon Express controllers or DMX controlled devices using the splitter socket.

Fault Diagnosis

No lights on Controller	<ul style="list-style-type: none"> • Check that power is connected and turned on • Try another power outlet or check that the power outlet works by connecting another appliance to the power outlet • Check that the 20 amp fuse on the controller has not blown
No DMX signal (LED#3)	<ul style="list-style-type: none"> • Ensure that the controller network Cat5/6 cable is connected to the controller and the DMX dongle • Check that the computer software is configured correctly and outputting to the DMX dongle • Try another CAT5/6 network cable
Lights do not come on	<ul style="list-style-type: none"> • Put the controller into test mode to check if the lights come on • Make sure that the lights are connected to the controllers output plugs • Make sure that there is a DMX signal and the software is configured correctly. • Turn off the power to the controller for 10 seconds and then turn back on



Important Notice

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