

# *Ride Trains*

Newest Technology, Lowest Prices

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4x LIGHT CONTROLLER CONTROLLER MANUAL

V1.0

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**WARNING: Input 24V nominal, 5V minimum, 30V maximum. DO NOT REVERSE THE POLARITY OF THE INPUT VOLTAGE. IRREPARABLE DAMAGE WILL RESULT.**

- **Note that the polarity of the 4-pin signal wires CAN be reversed, doing so will swap the outputs, forward to reverse headlight for example**

## Features

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*3 amp total output*

*Adjustable voltage*

*Output status indicators*

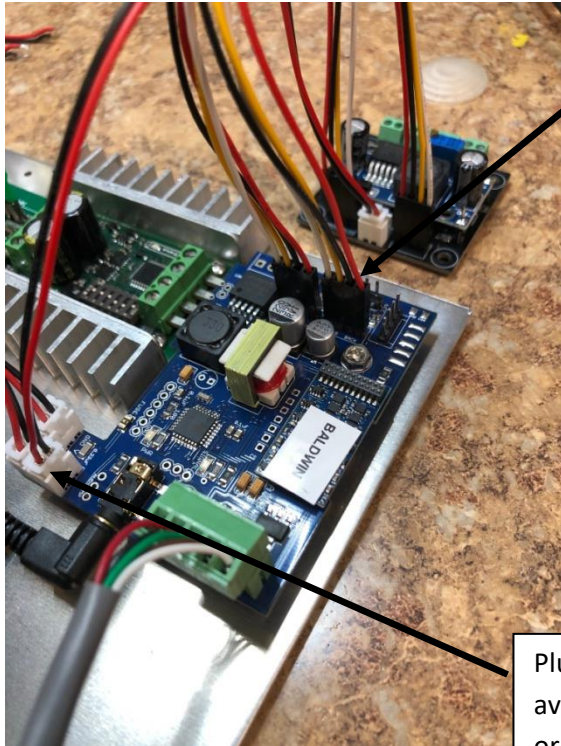
## Connections

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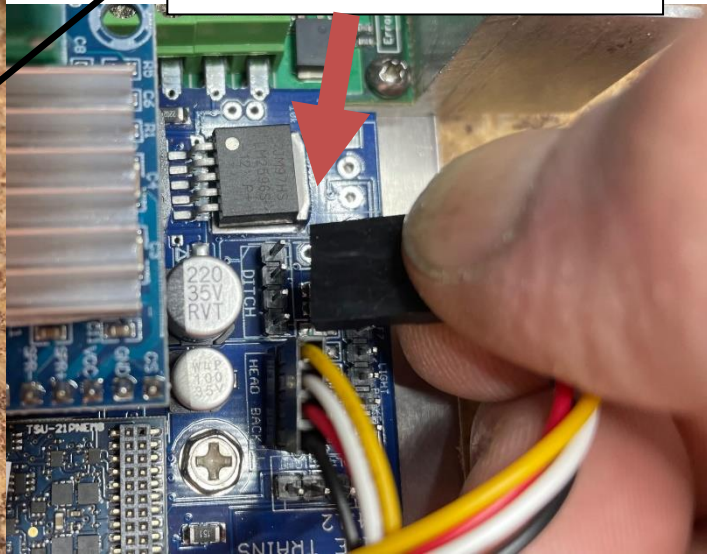
*Individual connections for each light output*

*Reversible inputs*

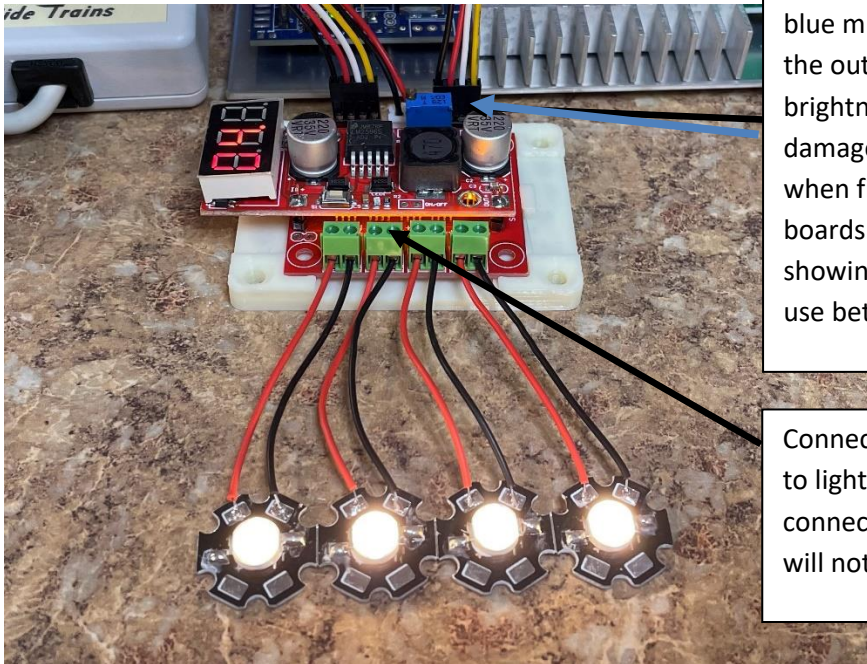
## LIGHTING BOARD SETUP



Plug signal wires into headlight/ditchlight/effect light output(s) as desired



Plug power connector into an available slot on the daughter board or power directly from batteries

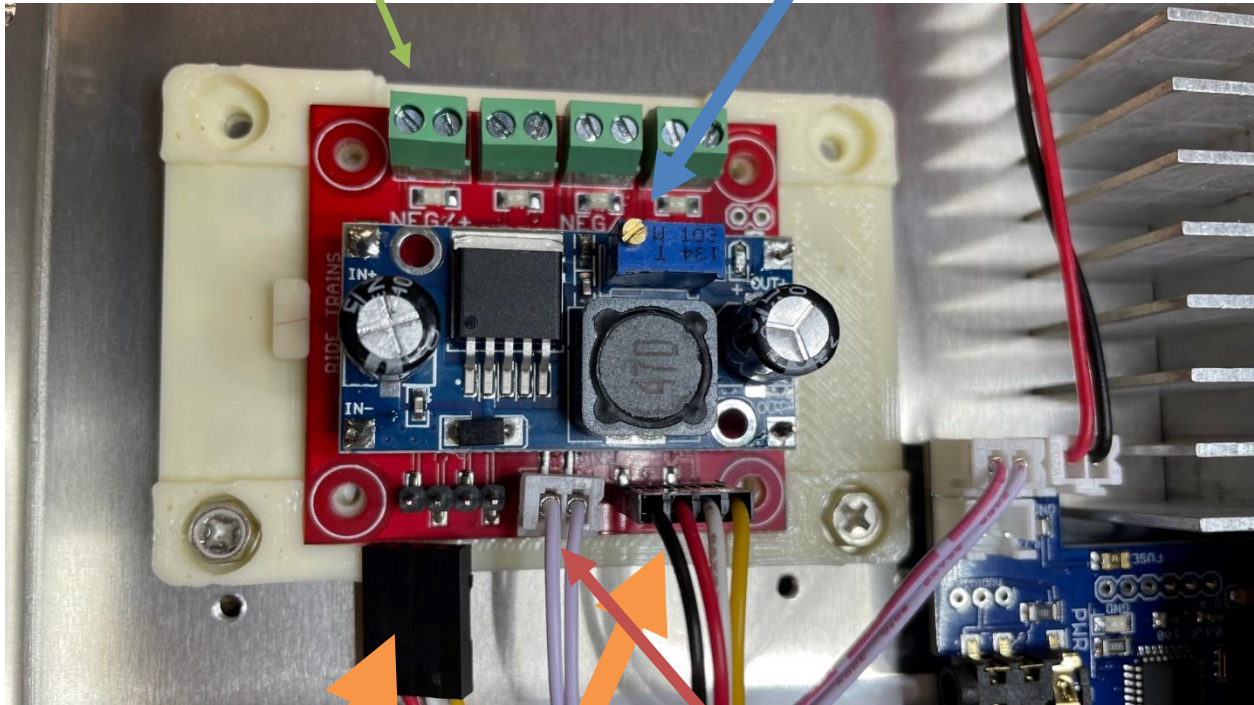


Using the adjustment screw on the blue multi-turn potentiometer adjust the output voltage to set your desired brightness. Excessive voltage may damage some lights, use caution when first powering on. Premium boards as shown have a digital display showing the voltage. LEDs typically use between 3.2 and 4.5 volts

Connect positive and negative leads to lights as shown. LEDs must be connected the correct way or they will not light.

Connect light wires to these screw terminals. Negative to the left, positive to the right if using LEDs.

This adjustment screw changes the output voltage to all four outputs at once. Turn it to the right (clockwise) to increase voltage, to the left (CCW) to reduce voltage.



These 4-pin dupont connectors carry the signal but can be reversed (flipped over) to swap light outputs so don't worry if your version has the colors reversed. USE CARE to get all four pins into the connector.

This JST connector carries the 24v power. It typically takes power from the syren control board but can be powered from any DC source.