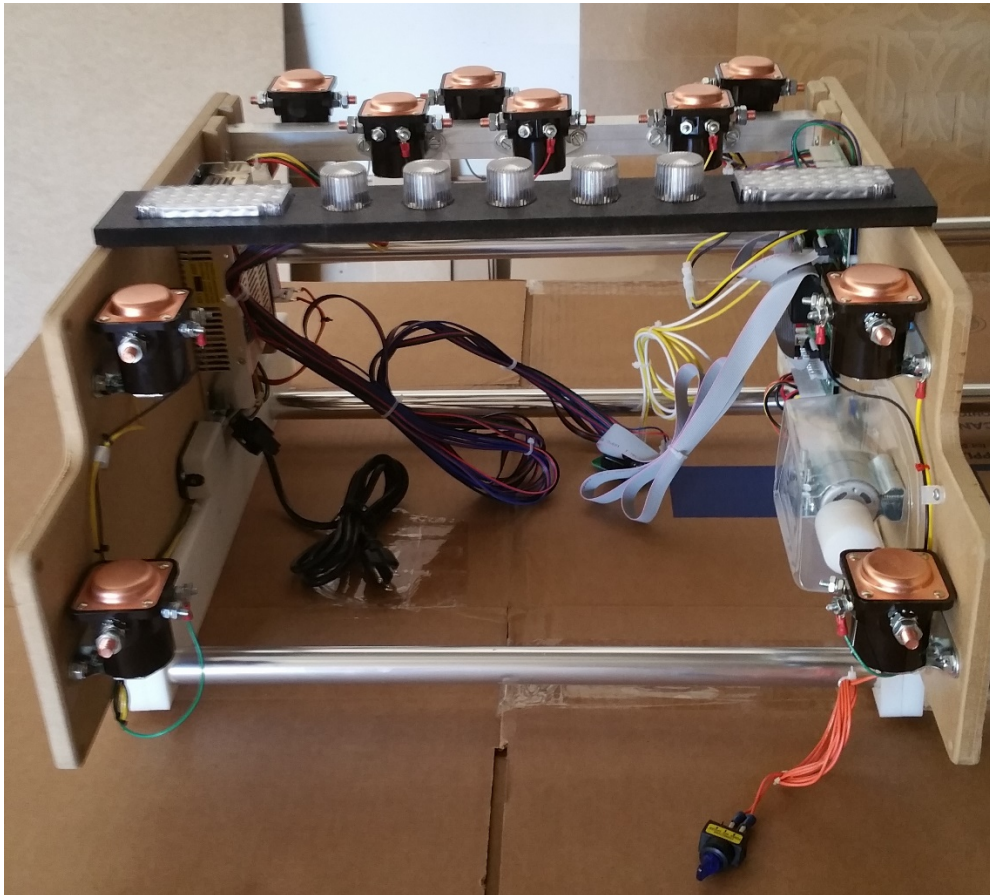# ZEBSBOARDS.COM

EZINSTALL Kit Instructions

Thank you for purchasing your EZInstall kit from zebsboards.com.

Before installing, please inspect the kit for any defects and read the instructions completely.

Do not connect the AC power cord until all connections have been made and double checked for proper installation!!

AC power can kill. Please observe the standard precautions when installing and using any AC power appliance.

Kit Contents

EZInstall Basic Kit

Left Panel Assembly – 2 solenoids, replay knocker assembly, 12V 20A DC power supply, 20A AC circuit breaker/power cord assembly, 12V 10A fused power booster module

Right Panel Assembly – 2 solenoids, shaker motor/controller assembly, 12V 8A fused power distribution board, high power 16 output Barebones Booster Board, PacLED64/breakout board assembly, night mode/quiet mode switch assembly

Solenoid Bar – 6 solenoids, power harness, aluminum mounting bar

EZInstall Standard Kit

Left Panel Assembly – 2 solenoids, replay knocker assembly, 12V 20A DC power supply, 20A AC circuit breaker/power cord assembly, 12V 10A fused power booster module

Right Panel Assembly – 2 solenoids, shaker motor/controller assembly, 12V 8A fused power distribution board, high power 16 output Barebones Booster Board, PacLED64/breakout board assembly, night mode/quiet mode switch assembly

Solenoid Bar – 6 solenoids, power harness, aluminum mounting bar

Light Bar w/Strobes – 5pcs 350ma RGB LEDs, 2pcs white LED strobe panels, plastic lens caps, mounting bar, harness, resistor board, 3' (1m) ribbon cable and power cable

EZInstall Deluxe Kit

Left Panel Assembly – 2 solenoids, replay knocker assembly, 12V 20A DC power supply, 20A AC circuit breaker/power cord assembly, 12V 10A fused power booster module, 2 high power Barebones Booster Boards

Right Panel Assembly – 2 solenoids, shaker motor/controller assembly, 12V 8A fused power distribution board, high power 16 output Barebones Booster Board, PacLED64/breakout board assembly, night mode/quiet mode switch assembly

Solenoid Bar – 6 solenoids, power harness, aluminum mounting bar

Light Bar w/Strobes – 5pcs 350ma RGB LEDs, 2pcs white LED strobe panels, plastic lens caps, mounting bar, harness, resistor board, 3' (1m) ribbon cable and power cable

12V RGB undercab light strips and harness, Start, Extra Ball, Launch button switch assemblies

Note – In all kits the solenoid bar and solenoid bodies/caps are live with 12VDC when unit is powered up!!

Part 1: Assembly Instructions

Step 1

Ensure that the 12VDC power supply is properly switched to the AC voltage for your location. The switch is located on the left hand side of the power supply and can be operated by gently sliding the switch to the proper voltage as shown on the label affixed to the power supply unit.

Step 2

Determine the best mounting location inside your cabinet for the left and right panels. Panels should be located as close to the front of the cabinet as possible for the best effect and should have a clearance of 2"- 3" (25mm – 50mm) from the top of the panel to the underside of the playfield television where at all possible.

Note – In all kits the solenoid bar and solenoid bodies/caps are live with 12VDC when unit is powered up!! Please leave adequate clearance from all metal and electronic parts in your cabinet to avoid short circuits.

The panels should be parallel to each other both vertically and horizontally to keep the solenoid bar secure and level in the mounting pockets.

Measure the distance between the solenoid mounting pockets to ensure that the solenoid bar will fit easily between the panels. If necessary, the bar can be carefully trimmed/filed to ensure a proper fit.

When the best location has been found, mount the left and right panels in position using 1" (25mm) mounting screws. Using longer screws may penetrate completely through your cabinet side. (Shown below on test jig).
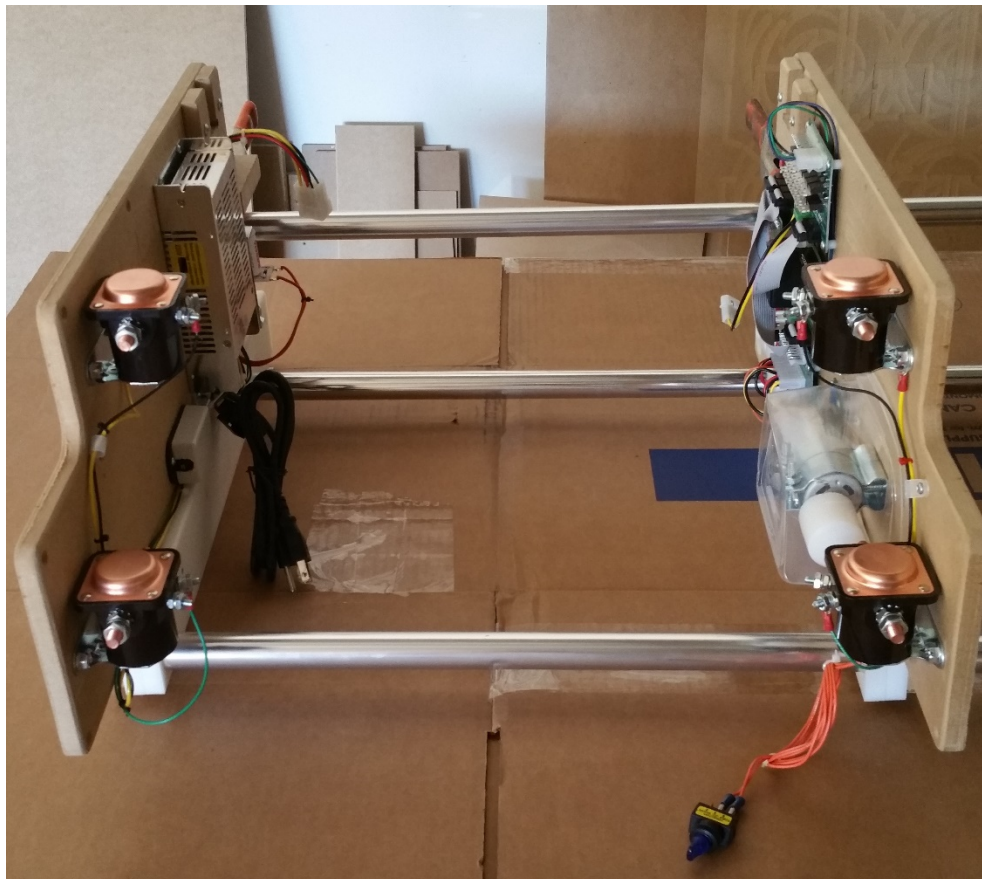
Step 3

Insert the solenoid bar into mounting pockets as shown below.
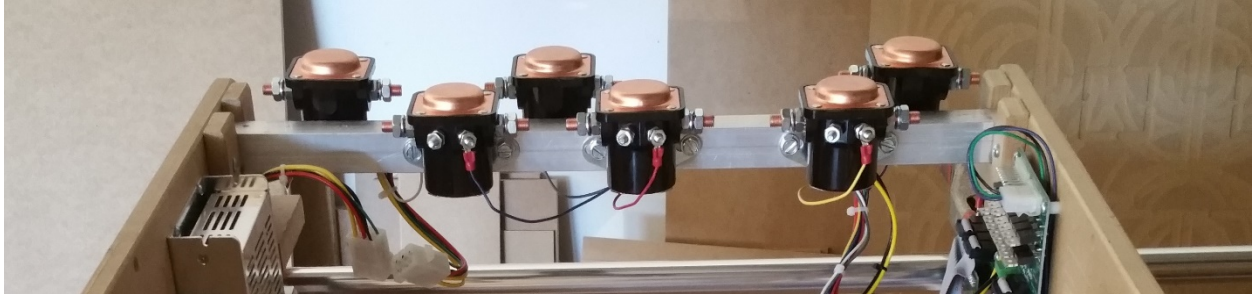
Step 4

Connect the 6 pin molex harness on the left side as shown below.
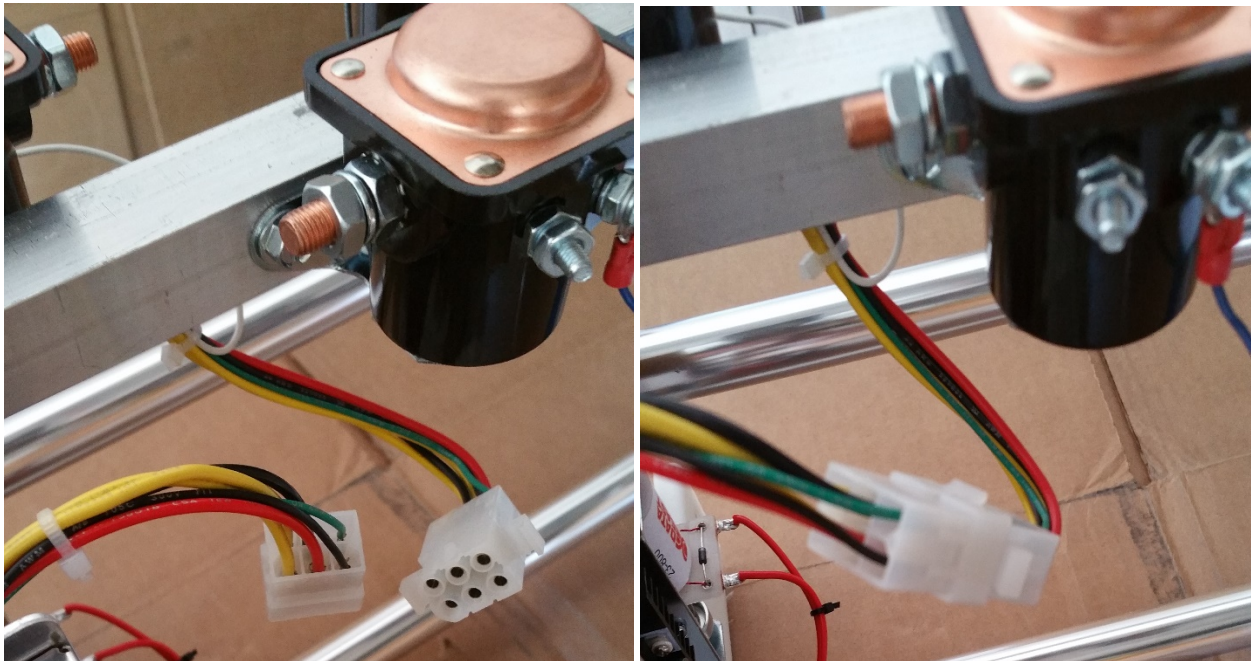
Step 5

Connect the 2 pin molex harness (black/yellow) on the right side as shown below.
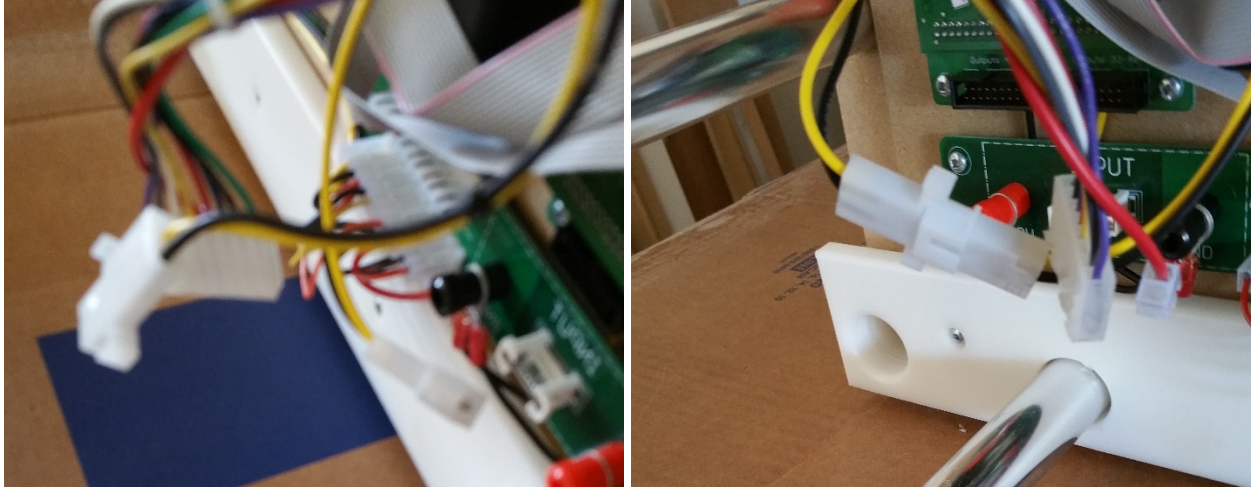
Step 6

Connect the 8 pin and 2 pin molex connectors to the high power booster board as shown. Ensure that the latch ramps on the harnesses align with the latch ramps on the output board connectors.
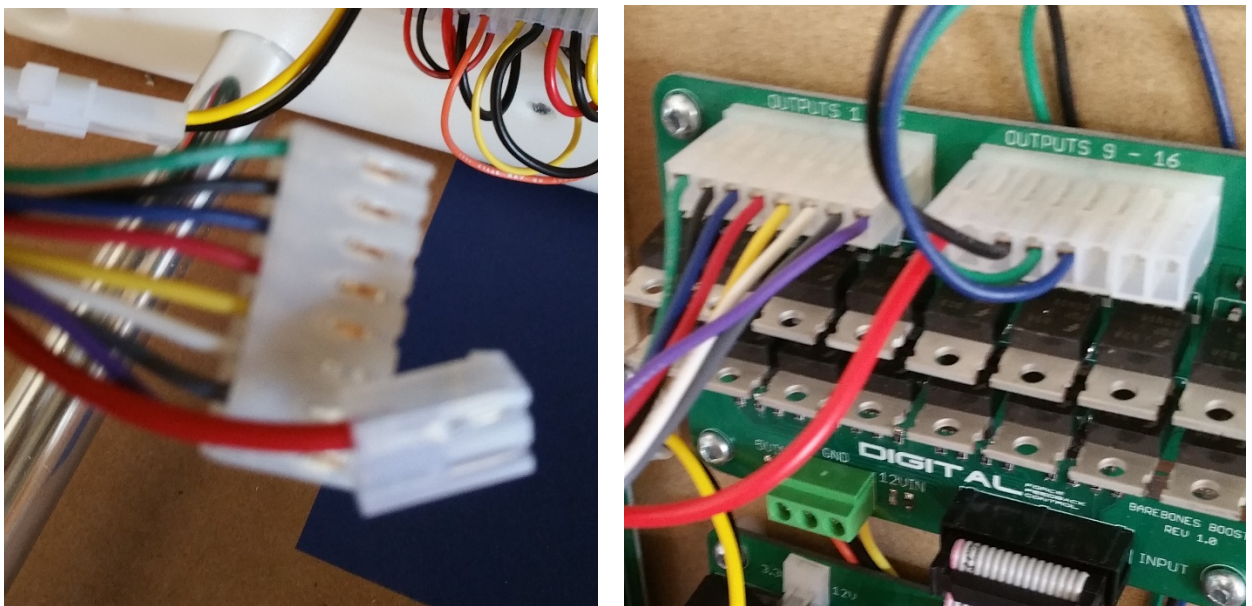
Step 7

Mount The light bar in a suitable location and connect as shown below.

Attaching the ribbon connector to the light bar output board......
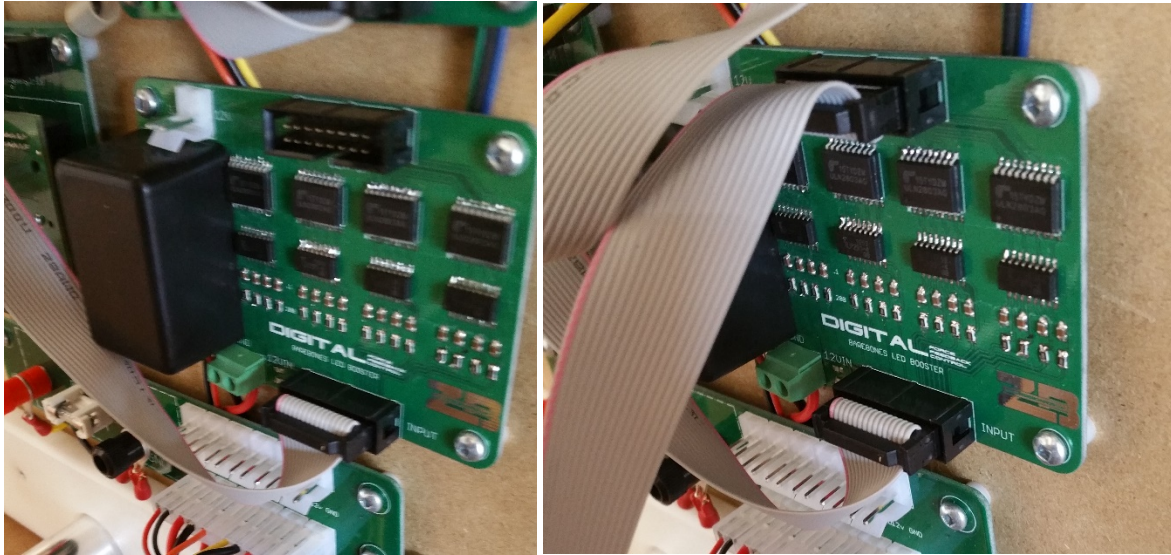
Attaching the lightbar power harness to the output board.....
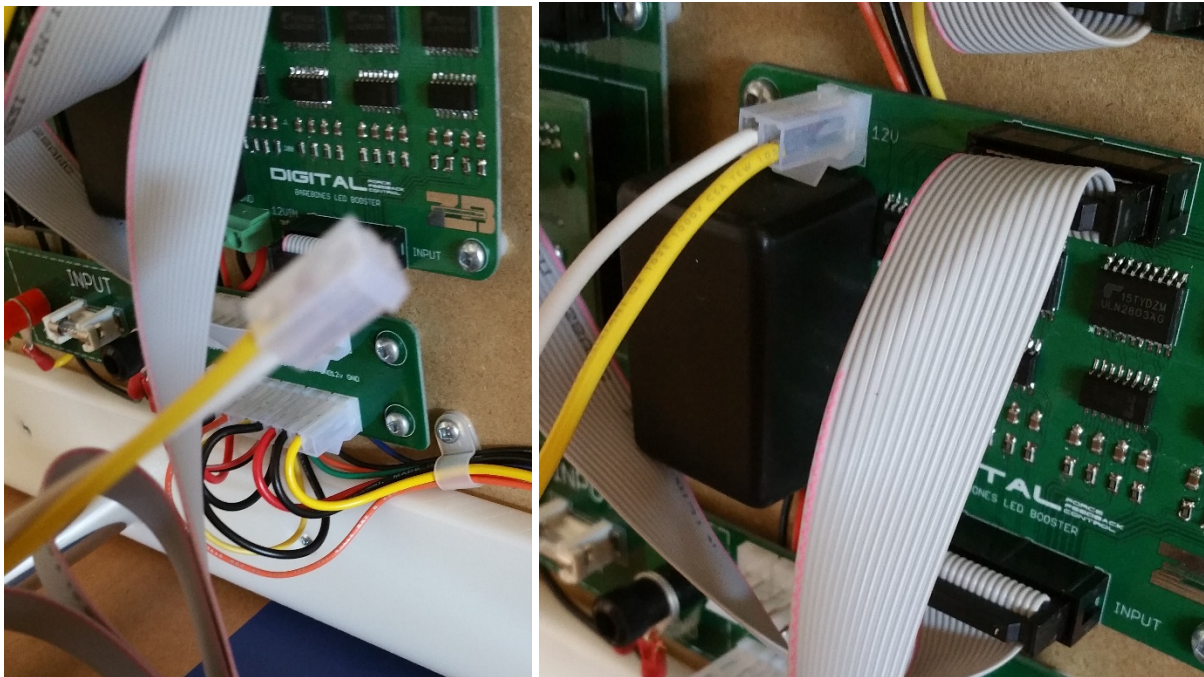
Step 8

Attach the USB cable to the PacLED64 USB connector located at the back of the right panel and connect the cable to the computer USB port.
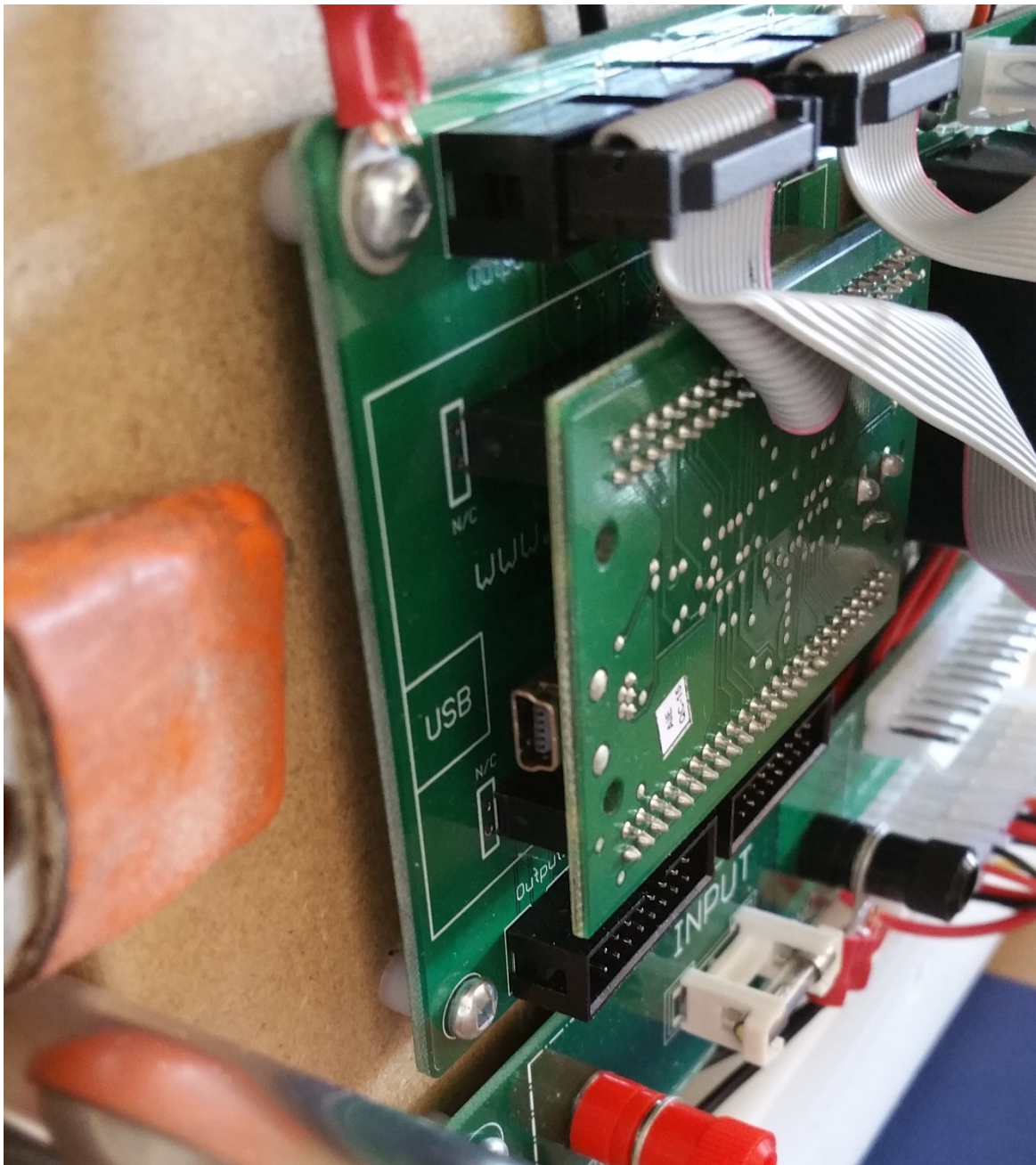
Part 2: Setup Instructions:

If you haven't already,

Download and Install the B2S Backglass Server as described here …

http://vpuniverse.com/forums/forums/topic/313-b2s-backglass-server-installation-and-version-info/

Download and install the Direct Output Framework as described here …

http://vpuniverse.com/forums/forums/topic/1468-directoutput-framework-r2/

DOF configuration files are included with the kit but it is highly recommended that you create your own account and configuration in the DOFConfig Tool to keep current on the latest additions to the feedback options, tables and settings.

DOF Configuration

Navigate to www.vpuniverse.com, login and navigate to here.

Select "Create Account" and set the parameters to....

Number of PacLED Devices = 1
LEDWiz Framework = DirectOutput

All other settings can be left to the default settings.

Select "Port Assignments" and set the parameters to......

EZInstall Basic Kit Settings…..

EZInstall Standard Kit Settings…..

EZInstall Deluxe Kit Settings….