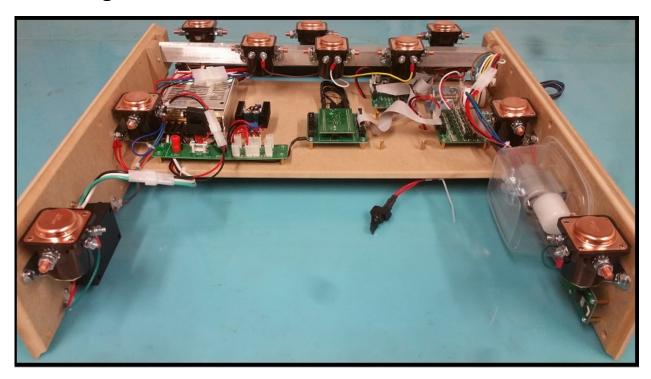


EZInstall Kit V2 Installation

Mounting the Kit

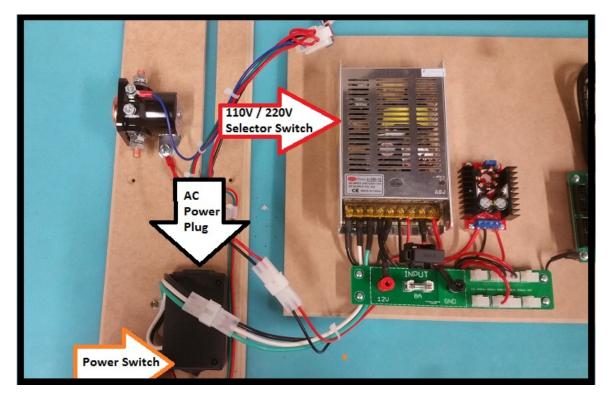


The kit should be mounted as shown in the illustration above. Recommended positioning would be to install as far forward in the cabinet as possible, putting the flipper solenoids (furthest forward solenoids on side panels) close to the flipper switches ensuring the best response and feedback for them as possible. Ensure that at least ¾" (19mm) space is left between the top of the solenoids and the bottom of the playfield monitor.

Install the side panels with the slot opening to the rear of the kit on a slight downward angle toward the front and in a parallel position in the cabinet and slide the mainboard into the slot from the rear.

Use mounting screws appropriate in length to the thickness of your cabinet construction and install them in the mounting holes provided making sure not to puncture the outside face of the cabinet.

Power Connections (AC MAINS)



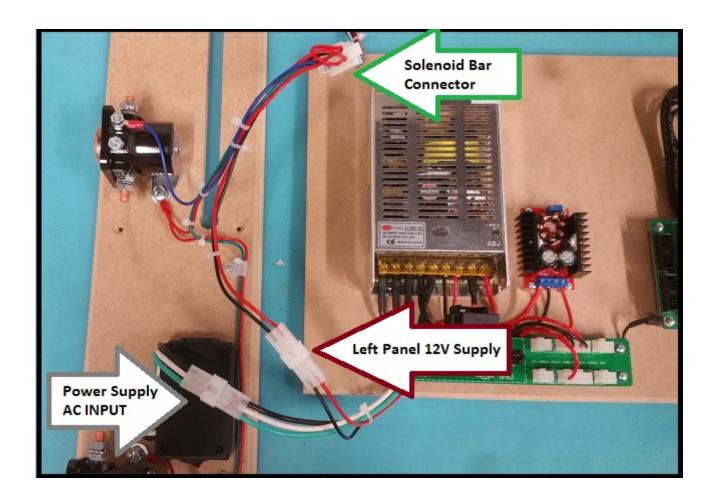
While the supplied power supply has built in short circuit and thermal overload a 10A external circuit protector (circuit breaker) has been installed in the power box. If at any time the power to the kit is interrupted, please check and reset the circuit breaker if necessary. Make sure the 110v /220v selector is set to the correct AC voltage for your country.

Installation of the wiring using a plug vs hard wiring to the mains is highly recommended.

!! AC MAINS ELETRICITY IS DANGEROUS AND CAN KILL YOU. If you have any doubts about your capabilities it is recommended that you contact a professional to install the unit for you !!!!

Left and Right Panel Connections

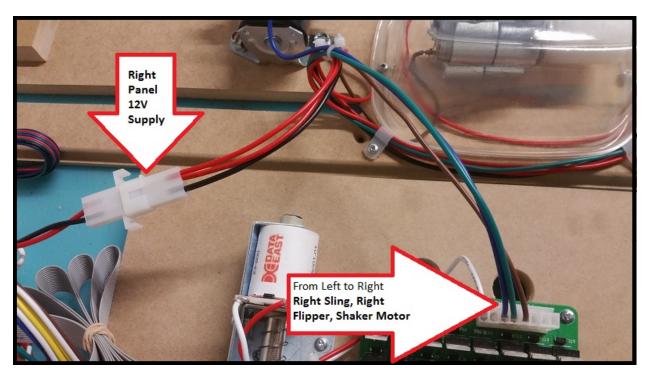
Connect the left panel connectors to the corresponding connectors on the mainboard as shown in the illustration below.

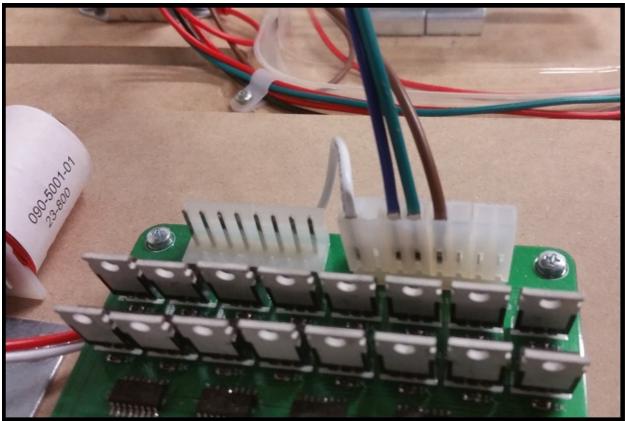


The open ports on the 12V distribution board are provided to supply additional 12V toys if desired.

There is a 10A standard automotive blade fuse in the black fuseholder below the power supply protecting the booster module (red board) which powers the replay knocker. If the replay knocker ceases to function please check and or replace the 10A fuse. **Do Not Exceed a 10A Rating** when replacing the fuse.

Connect the right panel connectors to the corresponding connectors on the mainboard as shown in the illustration below.



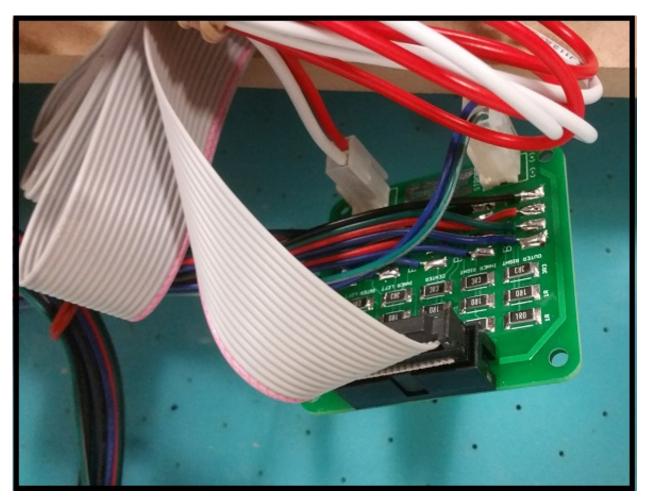


The 4 open terminals on the Booster Board connector can be used for future expansion (beacons, fan, button lighting, etc.)

To expand the system, simply connect the negative side of the toy to the open port on the booster board and connect the positive side of the toy to the appropriate positive voltage source (12V is supplied by the kit, other voltages will require an additional power supply.)

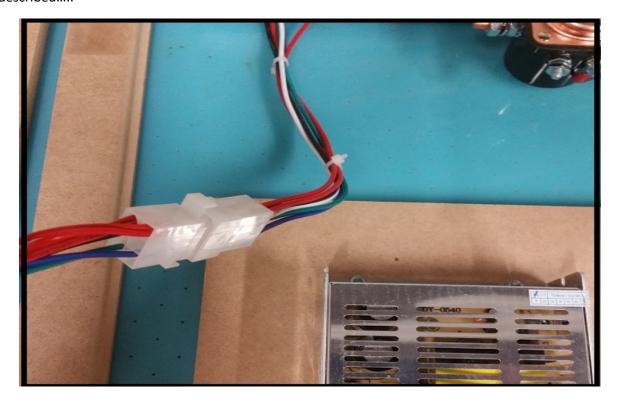
LIGHTBAR/STROBES CONNECTION

Mount the lightbar in the desired location and connect the ribbon and power cables to the Resistor Board as shown below.

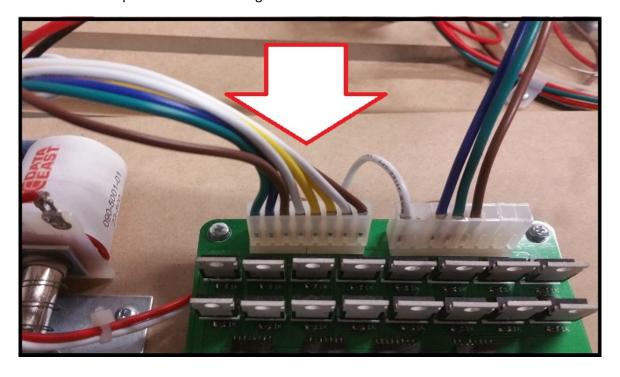


Solenoid Bar Connections

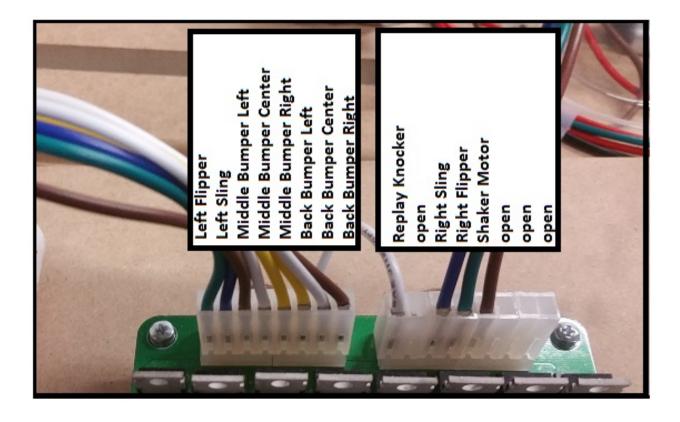
Ensure that the 6 pin connector at the left of the bar is connected to the left panel as previously described.....



... and connect the 8 pin connector at the right side to the booster board as shown below.

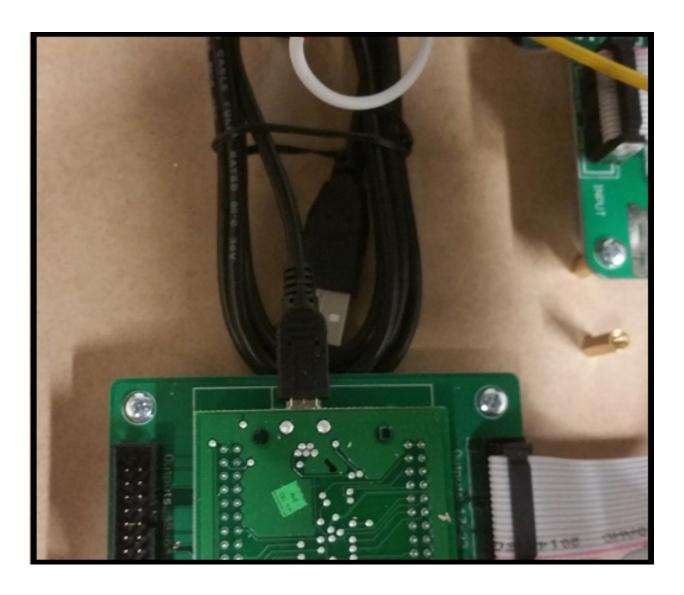


From Left to Right the pinout for the Solenoid Bar and Right Panel connectors is as follows:



USB Cable Connection

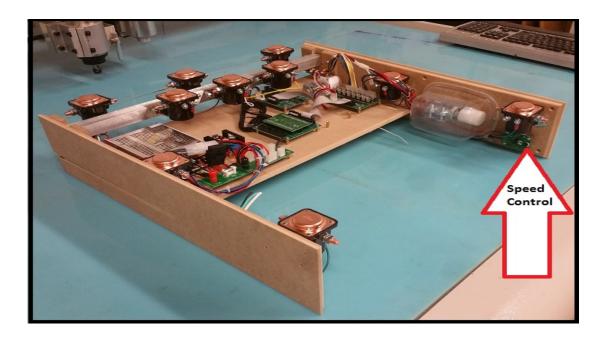
Connect the USB cable from the PacLED64 (shown below) to a free USB port in your computer.



Adjustments

Speed Control

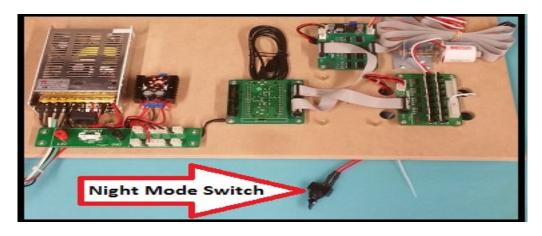
The shaker motor speed can be adjusted by turning the trim pot located on the speed control board at the front of the right panel.



Night Mode

A night mode switch has been installed which will allow you to turn off the booster board controlling the solenoids, shaker motor and replay knocker. Enough cable has been provided to allow for remote mounting of the switch to a convenient location.

To activate night mode simply flip the switch to the off position. Switching it to the on position will reenable the solenoids.



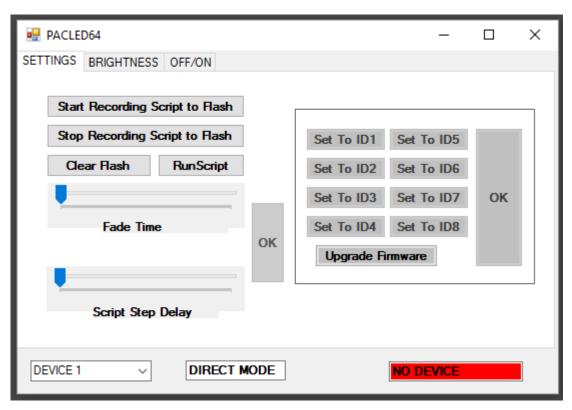
Software Setup

Pacled64 units ship from Ultimarc with a default demonstration (attract) pattern burned into the firmware. Since this pattern uses pwm across all of the outputs and solenoids (particularly the replay knocker) don't play nicely with pwm (it causes a huge draw in power) this pattern needs to be turned off.

To turn off the demo pattern you will need to download the pacled64 utility from here

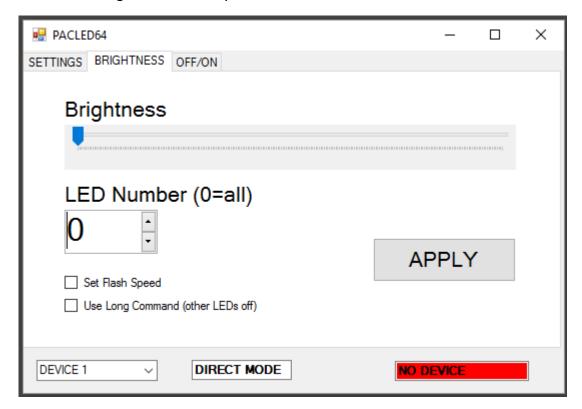
https://www.ultimarc.com/PacLED64.exe

Install the utility in Administrator mode and run it. You will be presented with this screen ...



(hopefully yours shows a green bar and Device1 present. I had no pacled connected at the time)

Click on the Brightness tab and you will come this screen



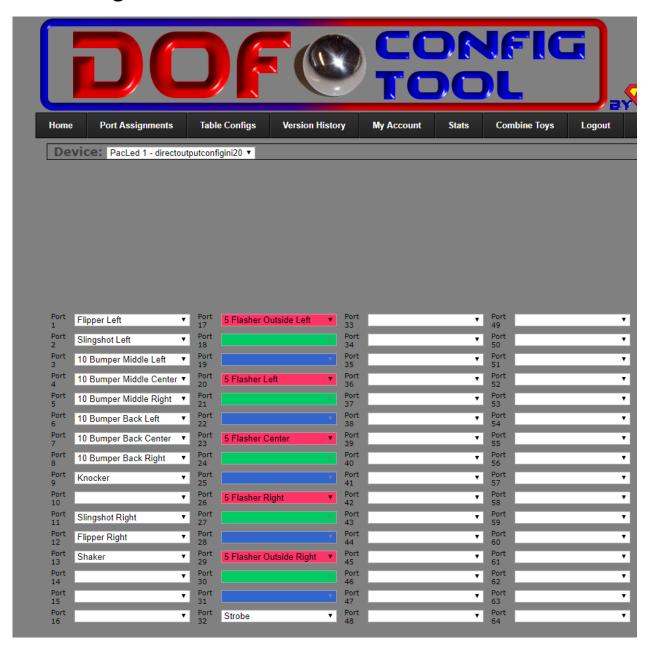
Set the slider all the way to the left to turn down the brightness and set the LED number to 0.

This effectively turns off all outputs during the demo pattern.

Return to the 1st screen and click the Start Recording to Flash button. After about 20 seconds or so click on the stop recording to flash button. Click on the OK button and exit the utility.

BEFORE turning on the NIGHT MODE SWITCH for the 1st turn on the kit and ensure that the lightbar is not running a pattern, if it is, rerun the above steps. Zebsboards is not responsible for damage caused by adverse side effects of controllers and or software setup.

DOF Configuration



^{**}Standard Kit Settings



Combine Toys

Stats

My Account

Version History

Table Configs

Port Assignments

Current Version: 2365

▼ SHP Circle3 ▼ ▼ SHP Circle3 Intensity: 48 ▼ Clear Fields Circle3 Circle3 Circle3 Circle3 Circle3 White Duration: 60 ▼ **Drop Targets** 9 • Color SHP 19 ▼ SHP AW 19 V SHP Custom Brightness Strobe 48 v PF Strobe MX FF v Flasher FF v Ledstrip Flasher FF v 19 ▼ 19 ▼ 19 • 100 v AL 0 v AT 0 v AW 14 v Set Intensity and Duration to 0 if you don't want feedback to these events 0 • AW AW Generate Config Intensity: 48 🔻 60 ▼ AT AL 80 ▼ AT Revert Default Min Intensity: 48 ▼ Max Intensity: 48 ▼ Min Intensity: 48 ▼ Max Intensity: 48 ▼ 40 ▲ 30 ▲ 100 ▼ 100 100 100 100 Contactor variables Ledstrip variables Duration: 60 ▼ Save Config Shaker Motor 550 the state of t Device: PacLed 1 - directoutputconfigini20 ▼ Strobe 10 Bumper Middle Center ▼ 10 Bumper Middle Right ▼ 10 Bumper Back Left ▼ 10 Bumper Back Center • 10 Bumper Middle Left 10 Bumper Back Right Slingshot Right Slingshot Left Flipper Right Flipper Left Knocker Shaker