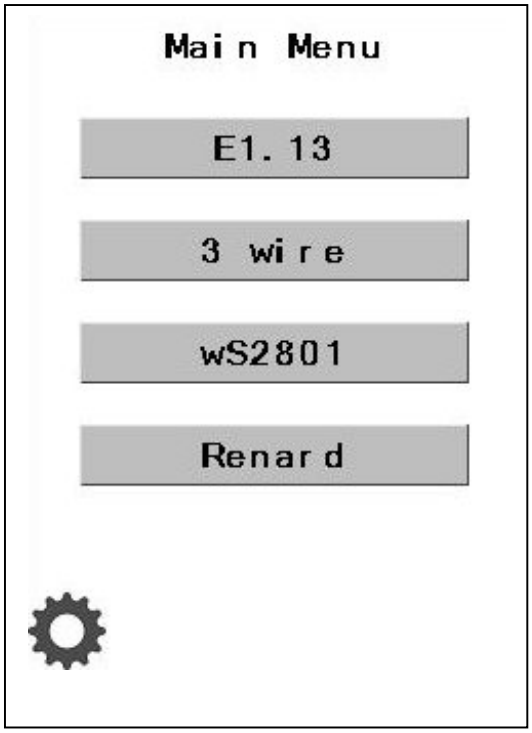
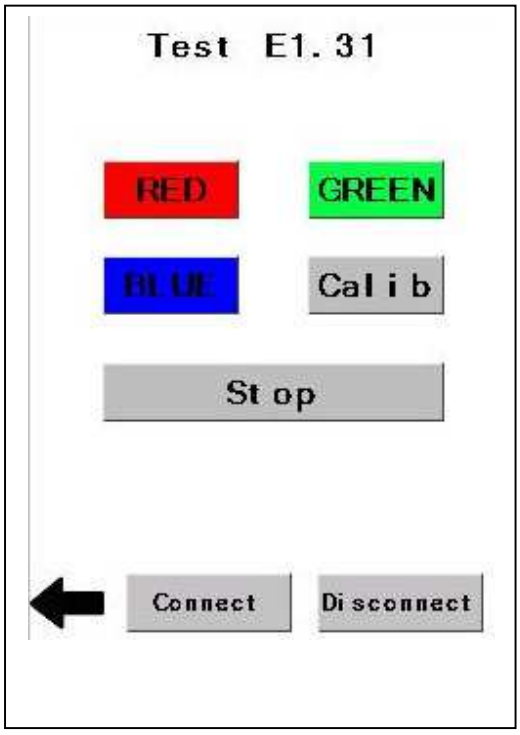
Christmas Light Tester



Main Menu

Select one of the modes you wish to test.

Or select the Gear Icon for settings



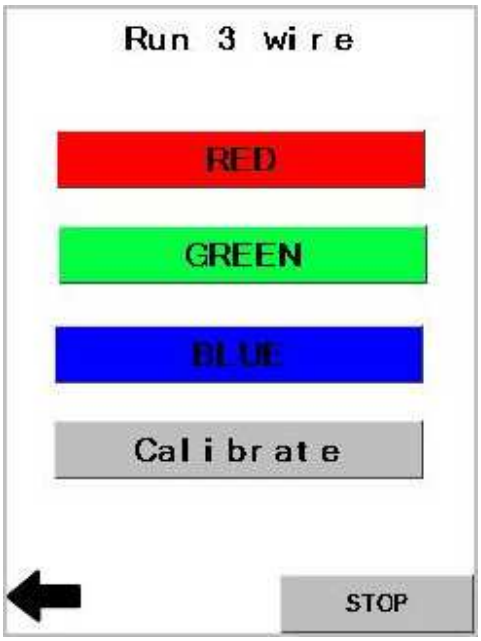
Test E1.31

Calib - emits one Red LED, two Green LEDs and three Blue LEDS. Used to verify order. If your LED show up with a different color, you can then program controller or sequencing software to fix.

Connect - Connect to WiFi

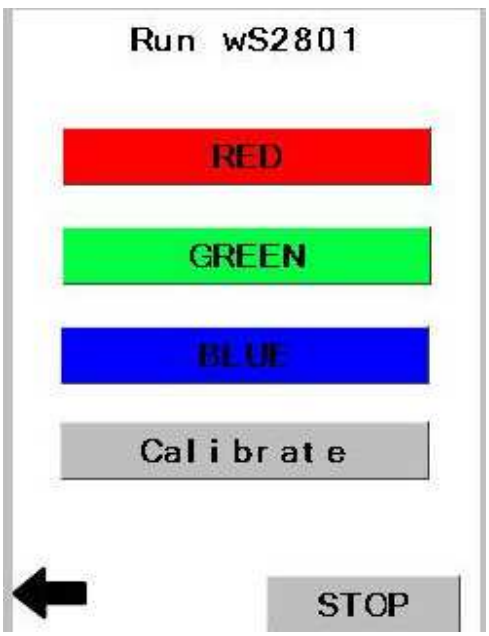
Disconnect - Disconnect from WiFi

Christmas Light Tester



Run 3 Wire

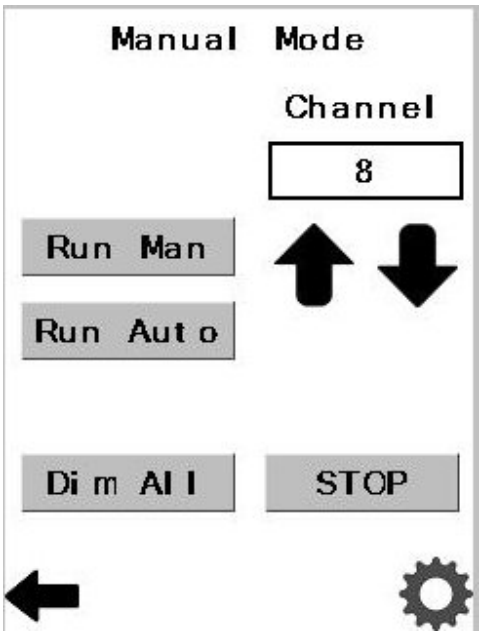
Calibrate - emits one Red LED, two Green LEDs and three Blue LEDS. Used to verify order. If your LED show up with a different color, you can then program controller or sequencing software to fix.



Run WS2801

Calibrate - emits one Red LED, two Green LEDs and three Blue LEDS. Used to verify order. If your LED show up with a different color, you can then program controller or sequencing software to fix.

Christmas Light Tester



Run Renard

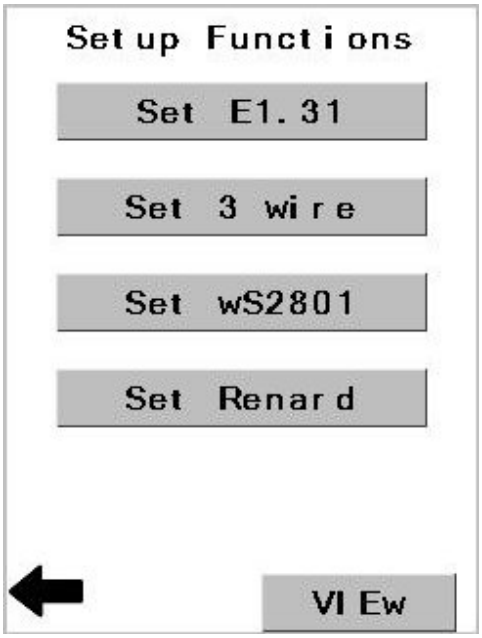
Run Man - Illuminates Channel listed from off to full on, over and over.

Run Auto - - Starts at channel 1 and runs through Max Channel.

Dim All - Illuminates all channels to Max Channel.

Arrow Up/Down - manually increase/decrease current channel in Run Man.

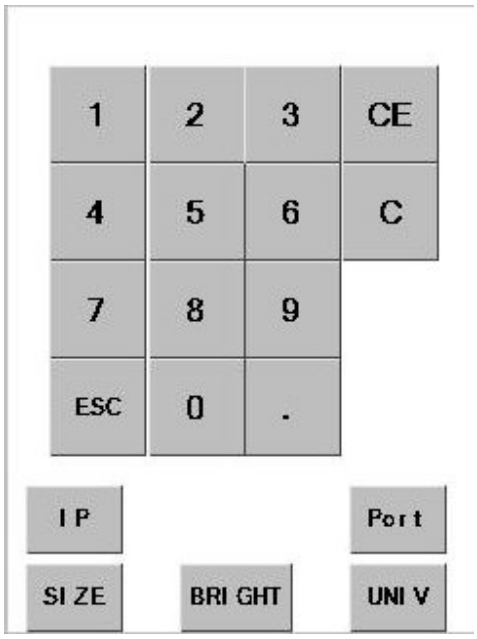
Channel - click here to manually change working channel



Setup Functions

Select which function you want to change parameters.

Christmas Light Tester



Setup E1.31

Type number first then press selected button you want to save to.

IP - Change E1.31 IP address

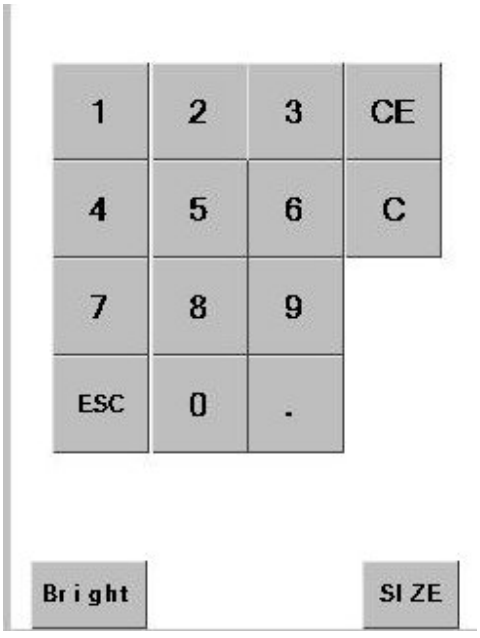
Port - Change UDP port

Univ - DMX universe number

Size - Number of nodes

Bright - How bright the leds will light up.

ESC - leave the screen



Setup 3 Wire

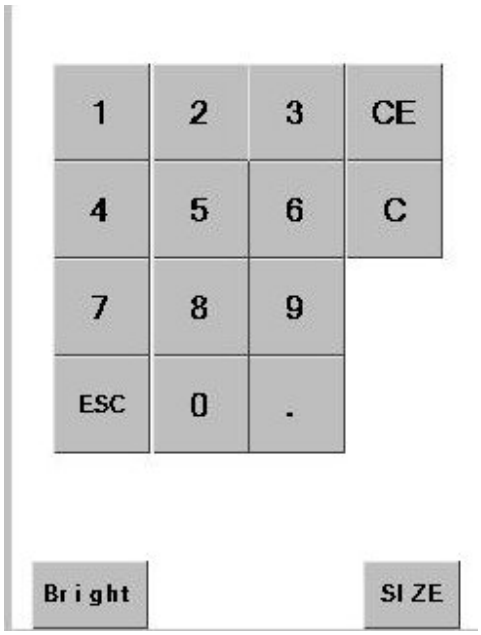
Type number first then press selected button you want to save to.

Size - Number of nodes

Bright - How bright the leds will light up.

ESC - leave the screen

Christmas Light Tester



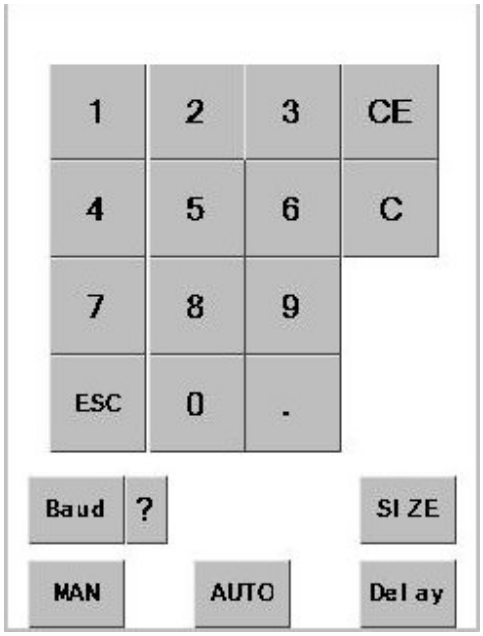
Setup WS2801

Type number first then press selected button you want to save to.

Size - Number of nodes

Bright - How bright the leds will light up.

ESC - leave the screen



Setup Renard

Type number first then press selected button you want to save to.

Baud - 0=57600; 1=115200, 2=230400 & 3=460800

Man - smoothness of illumination (man mode)

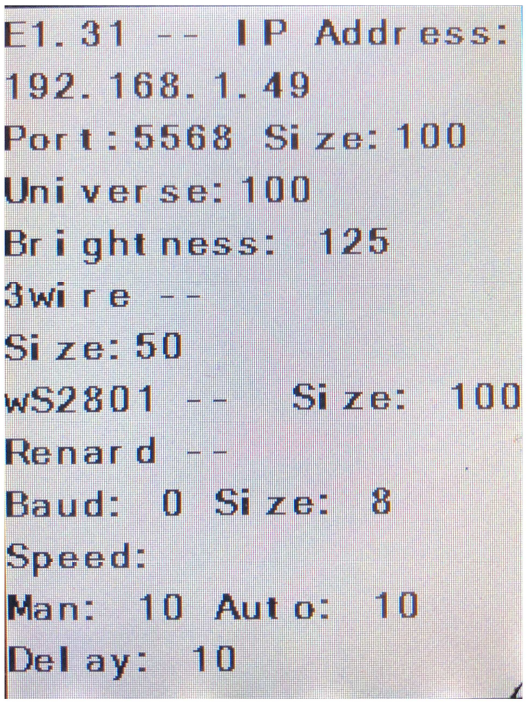
Auto - smoothness of illumination (auto mode)

Size - Number of nodes

Delay - How fast we cycle through channels

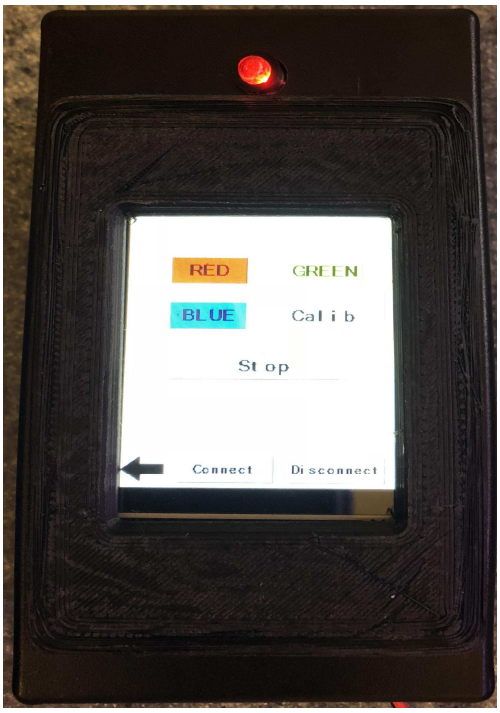
ESC - leave the screen

Christmas Light Tester



View Screen

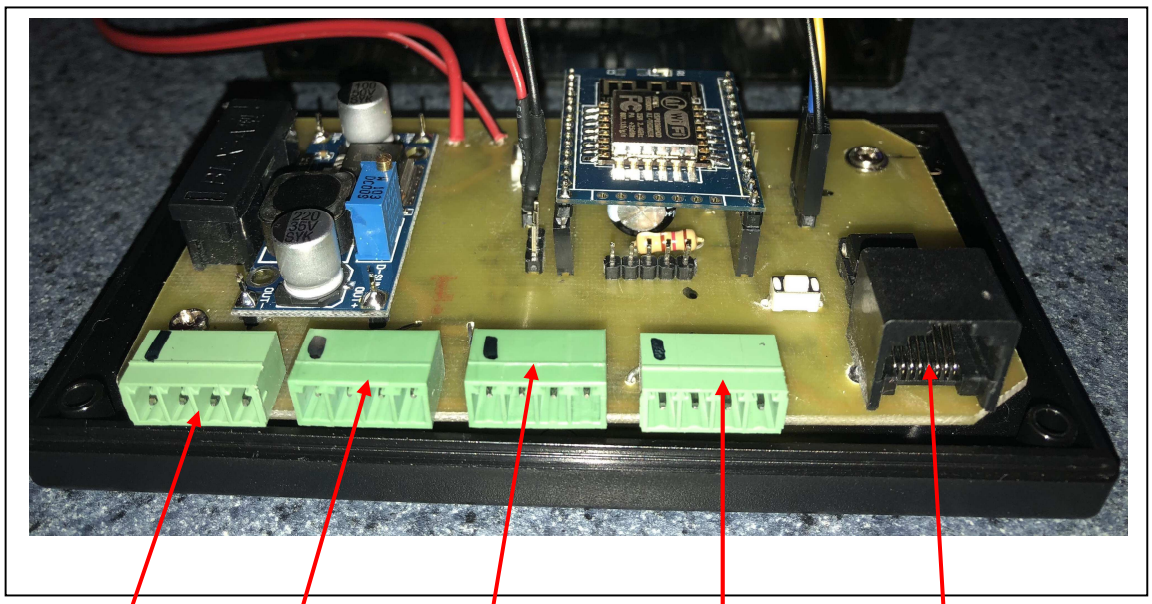
Views settings for all setup parameters.



Front of controller

LED light up when connected to WIFI.

Christmas Light Tester



3 Wire - 12VDC

Gnd Data Data (+)

WS2801 - 5VDC

Gnd Data Clock (+)

Renard RS485 - RJ45

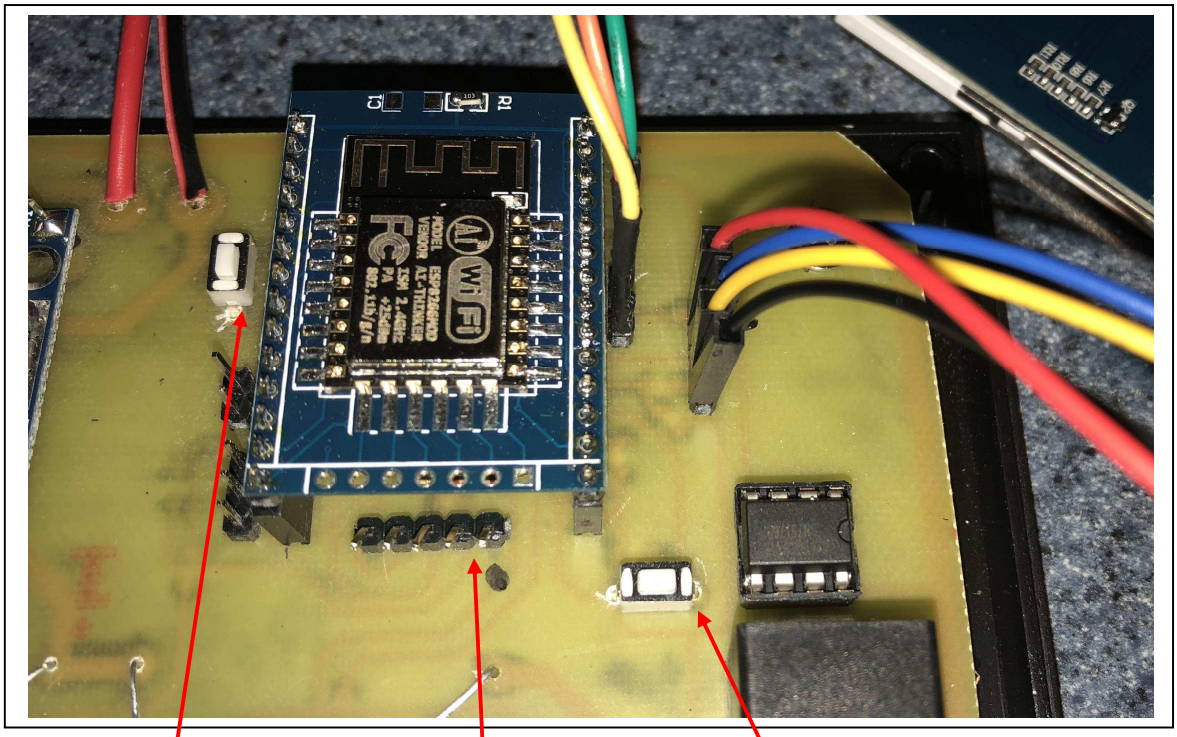
3 Wire - 5VDC

Gnd Data Data (+)

WS2801 - 12VDC

Gnd Data Clock (+)

Christmas Light Tester



ESP8266 Reset

Used for programming

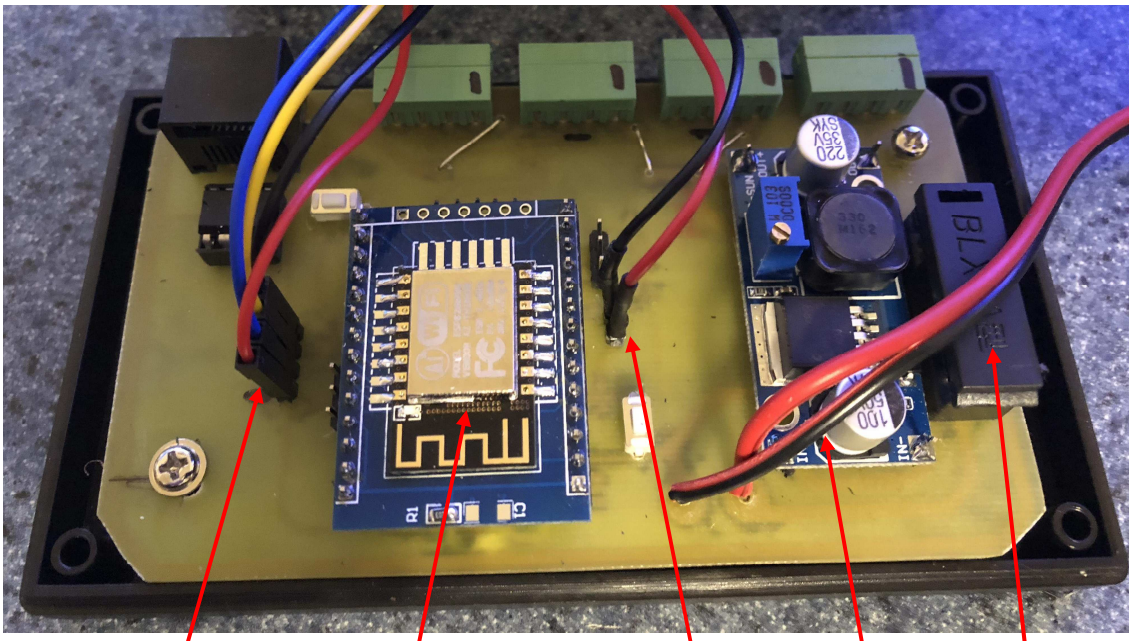
ESP8266 IO0

Used for programming. Hold down while pressing Reset button. Release Reset button then release PGM button

Pic16F1825 - ICSP

PGD PGC GND VDD MCLR

Christmas Light Tester



Fuse

ESP8266 -12F

Arduino compatible MCU with WIFI

LED leads

Nextion LCD

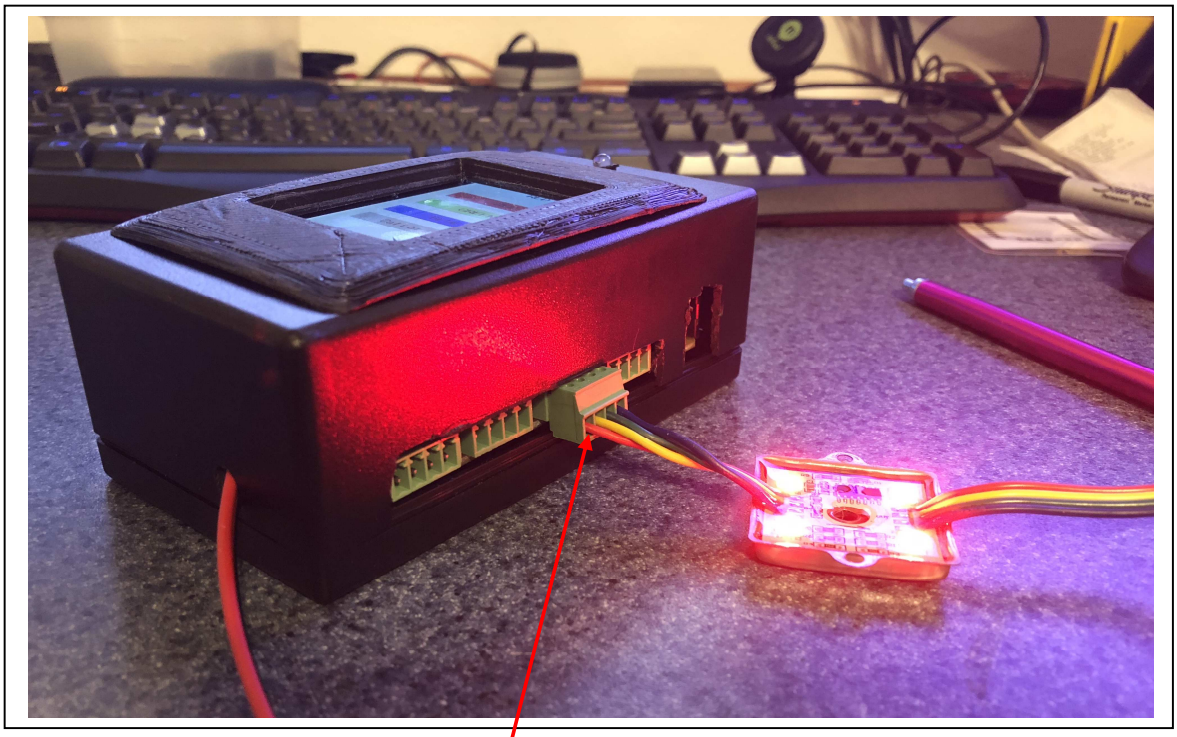
Red = 5vdc, Black = GND,

Blue = Tx and Yellow = RX

LM2596

DC to DC converter. Set to 5VDC and good for up to three amps with proper heat sink

Christmas Light Tester



Testing a 12vdc, WS2801 4 wire pixel