

WeatherRack3 System Wiring Pictures
1/28/2023

For more information on the MC4 Plugs and how you put them together, refer to the SolarMAX2 Assembly and Test Guide:

<https://www.switchdoc.com/wp-content/uploads/2021/09/SolarMax2AssemblyAndOperation1.1.pdf>

Parts List:

- 1 Gland Connector
- 1 MC4 Male and insert
- 1 MC4 Female and insert
- 1 Renogy Wanderer
- 1 30W Solar Panel (only included on US shipments)
- 1 Populated SwitchDoc Labs Wr3 Utility Board
- 1 Renogy RJ11 cable
- 1 WeatherRack3 Sensor
- 1 USB Type A to Type Micro cable

NO 12V Battery included

Buy on Amazon:

12V 7ah Battery - <https://amzn.to/3Dcsb8u>

or

12V 10ah Battery - <https://amzn.to/3D96kPh>

Software:

WeatherSense

https://github.com/switchdoclabs/SDL_Pi_WeatherSense

SwitchDoc Labs rtl_433

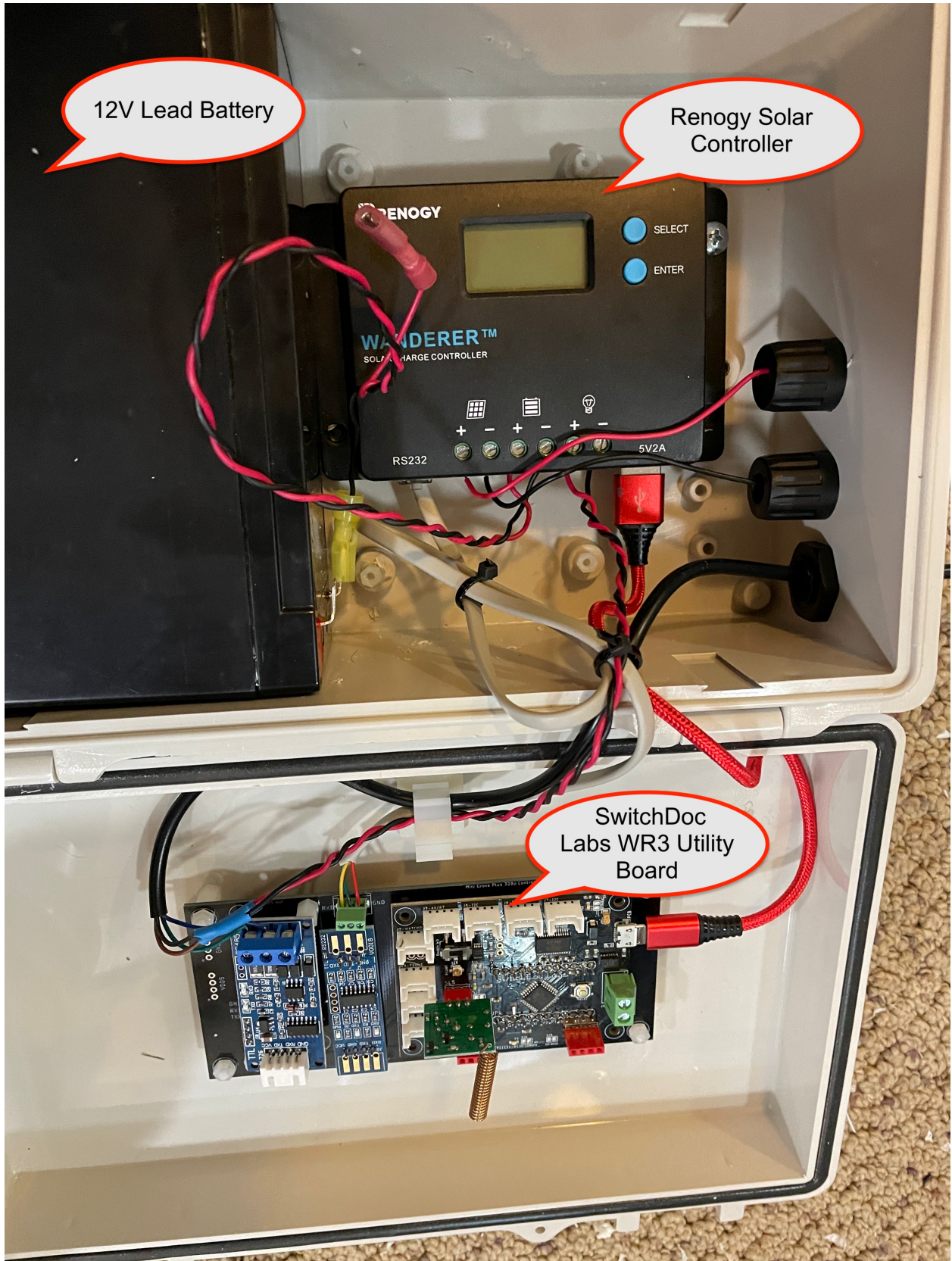
https://github.com/switchdoclabs/rtl_433

Software for the Mini Grove Plus

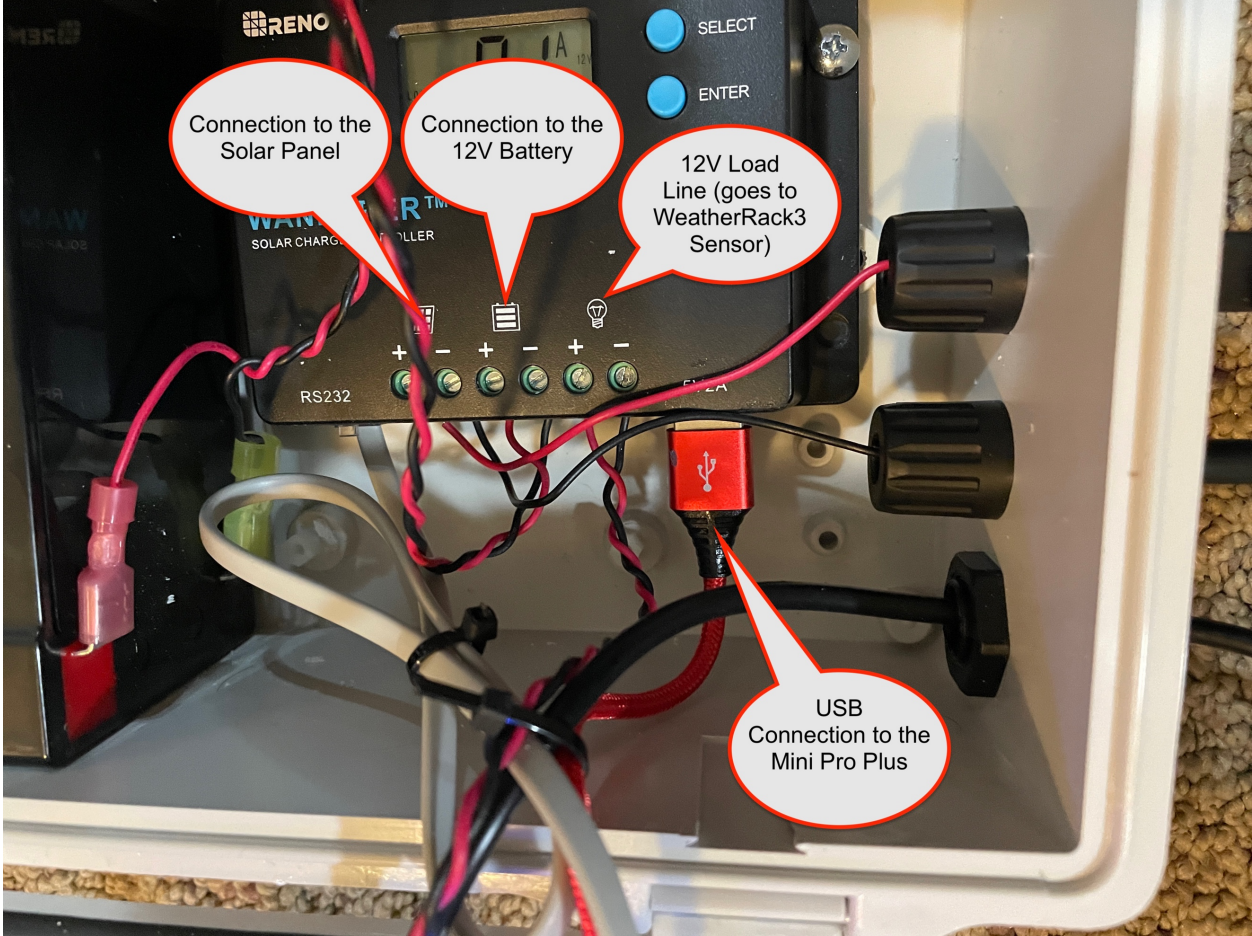
https://github.com/switchdoclabs/SDL_Arduino_WeatherSenseWR3

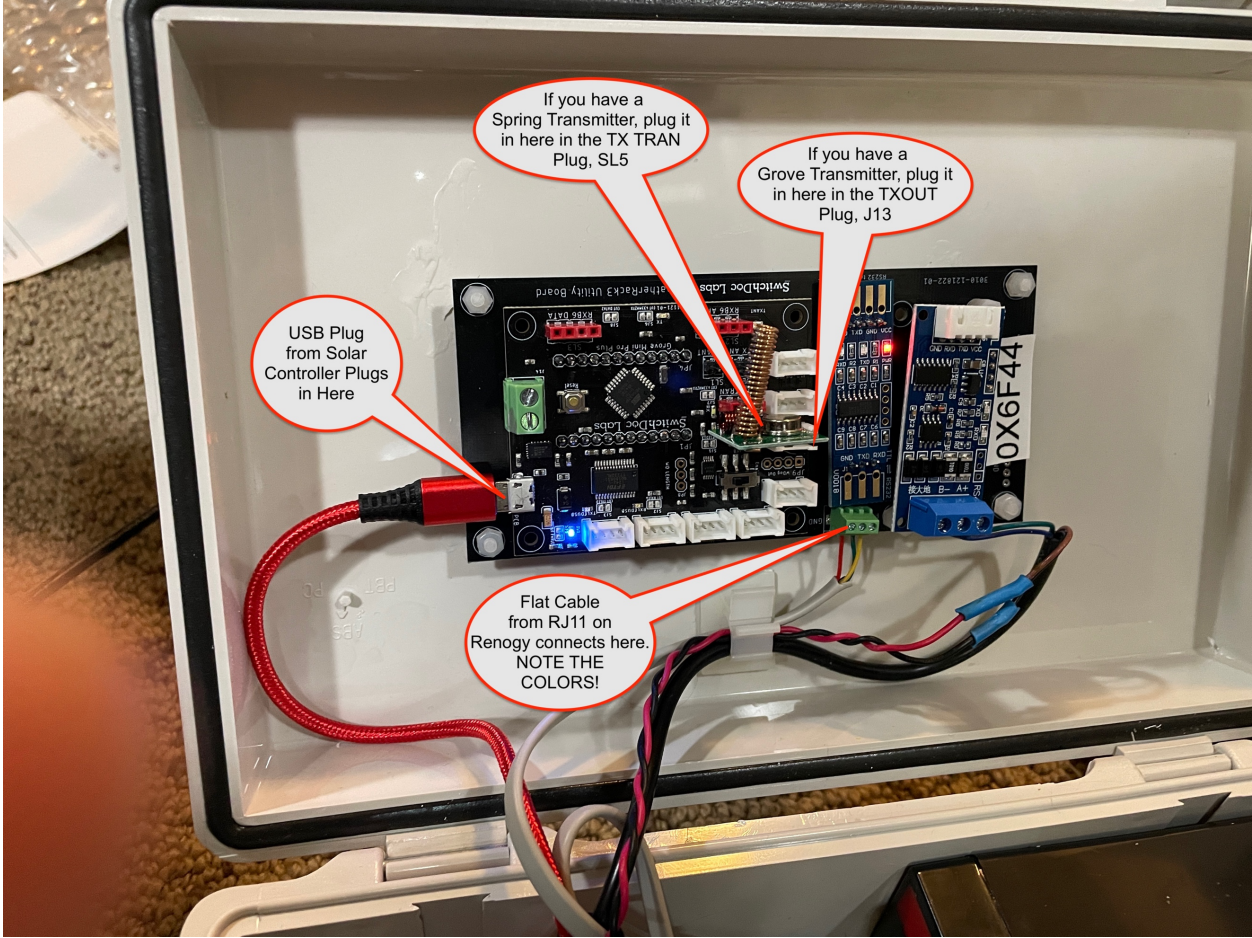
12V Lead Battery

Renogy Solar Controller



SwitchDoc
Labs WR3 Utility
Board



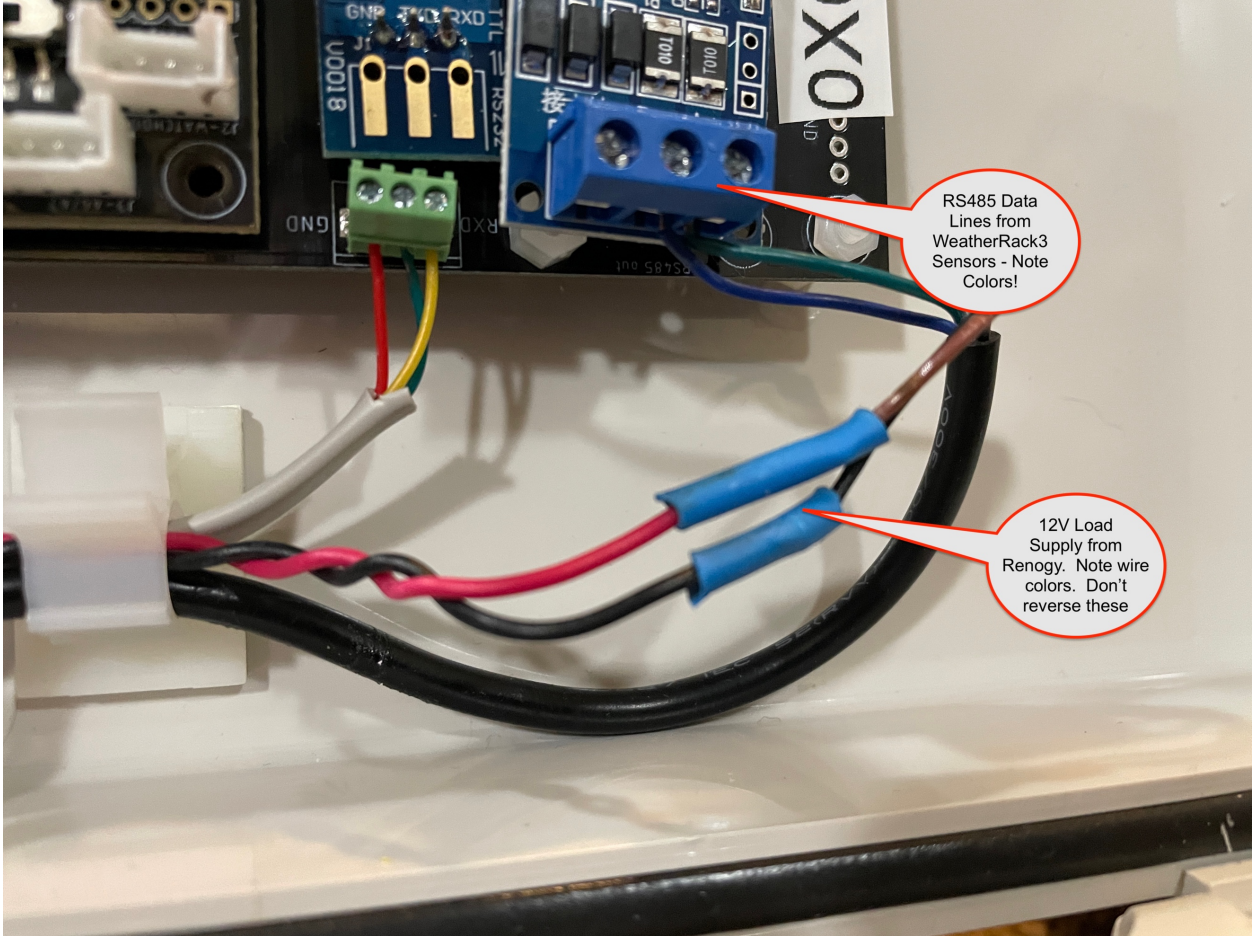


If you have a Spring Transmitter, plug it in here in the TX TRAN Plug, SL5

If you have a Grove Transmitter, plug it in here in the TXOUT Plug, J13

USB Plug from Solar Controller Plugs in Here

Flat Cable from RJ11 on Renogy connects here. NOTE THE COLORS!



RS485 Data Lines from WeatherRack3 Sensors - Note Colors!

12V Load Supply from Renogy. Note wire colors. Don't reverse these



Female MC4 Plug (Plus)

Male MC4 Plug (Negative)

Cable to WeatherRack3 Sensor

ENTER

AZA