

# Power Distribution Box Build

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When I build a go box I have to choose what I want to put in as far as power source. I also have to choose what type of power output I want to supply. I usually don't have a whole lot of room for all kinds of chargers and adapters. So, I came up with a solution. The Go Box would have Anderson Power Pole connectors with Charge In and 12VDC out. I would build a power distribution box where I could have different type of USB chargers, 12 volt auto type socket and any other options I wanted. This reduces the complexity of the go boxes and can be shared between multiple go boxes. There is also plenty of room to store an assortment of cables in the box.

The first one I built I didn't document so I just built a simpler one and documented the build.



## Parts Required

- Box
- Faceplate
- Red Wire, 22 AWG
- Black Wire, 22 AWG
- Choice of connectors or devices
- Wire connectors as required

Assortment of options for distribution box



## Tools



## Assembly Steps:

Mark and drill the mounting holes using the faceplate for a guide.

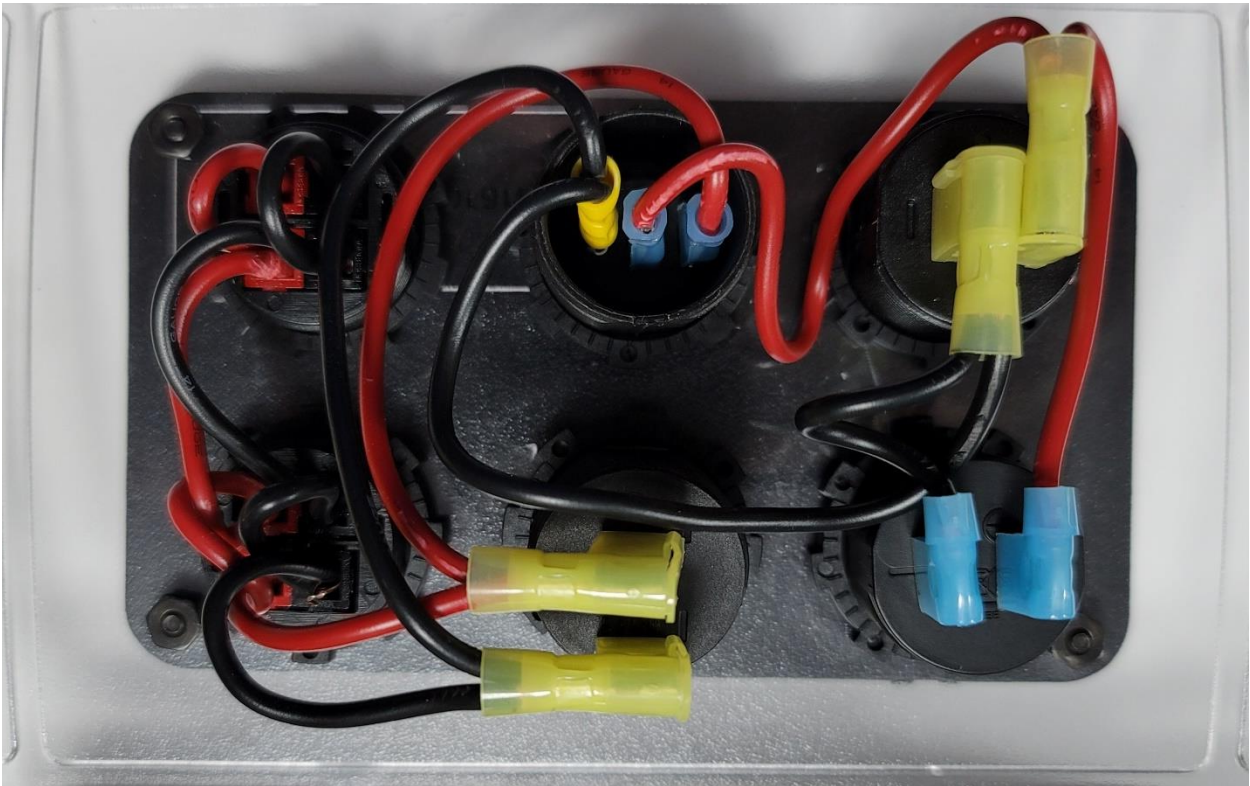




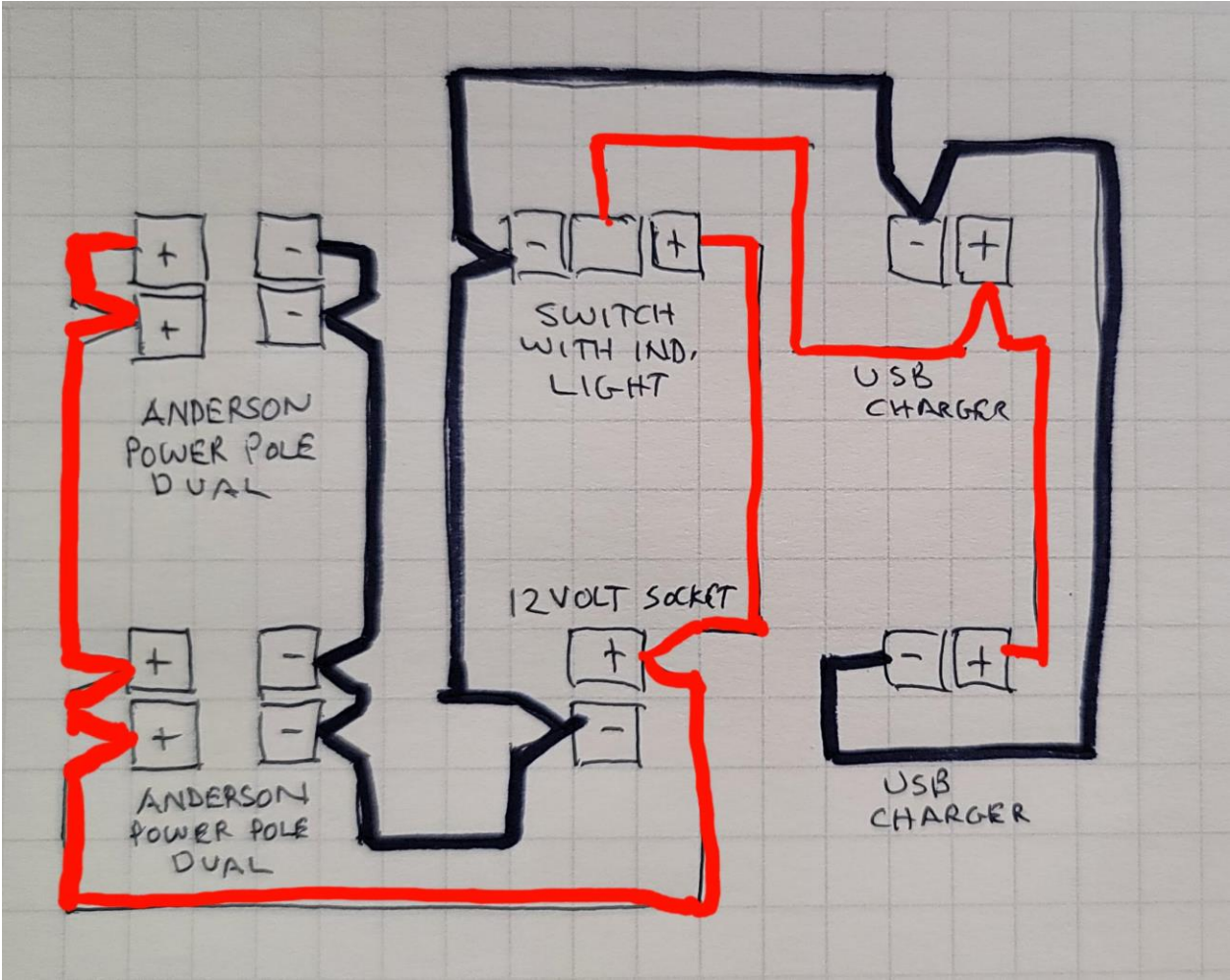
Install the Faceplate and the devices:



Wire the connections



Wiring Diagram for this box. I am only switching power to the two USB chargers. The rest are on as long as power is supplied to the box.



Finished product

Supply 13.8 VDC to any of the Anderson Power Pole connectors and get three Anderson outputs, 12 Volt DC socket out and the four USB charge points when the switch is on.



73,

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