

## Bench Top Power Board

Kit Information & Instructions



You don't have the power? Well, there's no need to ask Scotty – the SparkFun Benchtop Power Board Kit has your back. This board will let you take advantage of your old (or new) power supply to create a benchtop power supply with enough juice to run almost any of your embedded electronics projects.

Note: This kit will require wire which is not included.

### Kit includes:

- 5A Glass Fuse (Qty: 4)
- Fuse Clips (Qty: 8)
- Red Binding Post (Qty: 4)
- Black Binding Post (Qty: 4)
- Right Angle ATX Connector
- Red LED
- 1K  $\Omega$  Resistor
- 3/4" Female Standoff (Qty: 4)
- 4-40 Screws (Qty: 4)

# STEP BY STEP INSTRUCTIONS

The following instructions are meant to be followed in chronological order. There are some components that

- 1 Fuse Clips** (Qty: 8 - Holds Fuses): Solder the fuse clips to the board. Make sure to orientate the “ends” of the clips with the silkscreen on the board so that each fuse clip pair will hold a fuse.
- 2 ATX Power Connector** (Connects to Computer Power Supply): Solder the ATX Power Connector.
- 3 1K Resistor** (LED Current Limiter): Solder the 1K Resistor. Hold metal leg while clipping off excess.
- 4 LED** (Power Indicator): Solder the LED. Make sure to align the flat edge of the LED with the matching silkscreen on the board. The short leg of the will go through the hole closest to the straight edge of the silkscreen. Hold metal leg while clipping off excess.
- 5 GND and Power Output** Solder 2” black and red wires to each GND and Power output (we recommend black to ground and red to power). It’s easiest to have the wire come out of the back of the board.
- 6 Binding Posts** (Qty: 8 - Power Access): Screw in the black and red binding posts and then screw the corresponding wire to the bottom of each post. By convention, the black posts should go to ground and the red posts should go to power.
- 7 Standoffs** (Qty: 4): Screw the standoffs onto the PCB. The screw should enter the top side of the board with the plastic standoff on the bottom side of the PCB.



To use your SparkFun box as a project enclosure, cut along the dotted lines with a hobby knife.

need to be soldered on your board before others. To avoid frustrating mistakes, please start with step #1 and work your way through to step #7.



5

GND and Power Output

\*Please note that the wires get attached to the bottom of the board in this step.



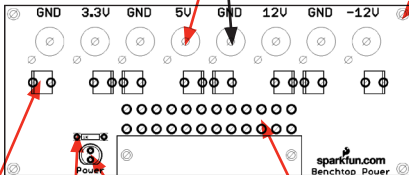
6

Binding Posts



7

Standoffs



TOP

1

Fuse Clips



3

1K Resistor



4

LED



2

ATX Power Connector





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