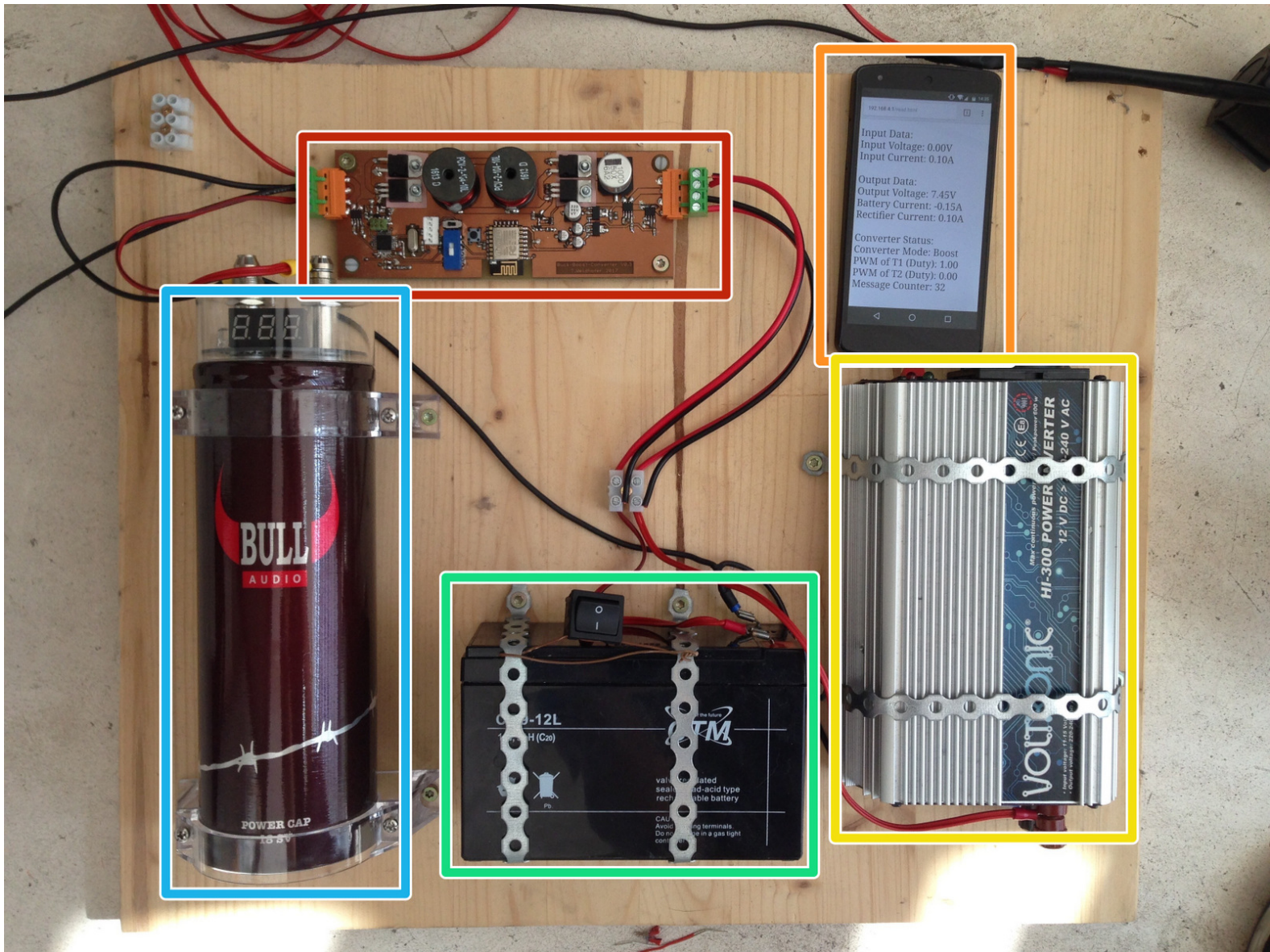


tobiasweidhofer

How to connect the board correctly

Written By: Tobias Weidhofer





TOOLS:

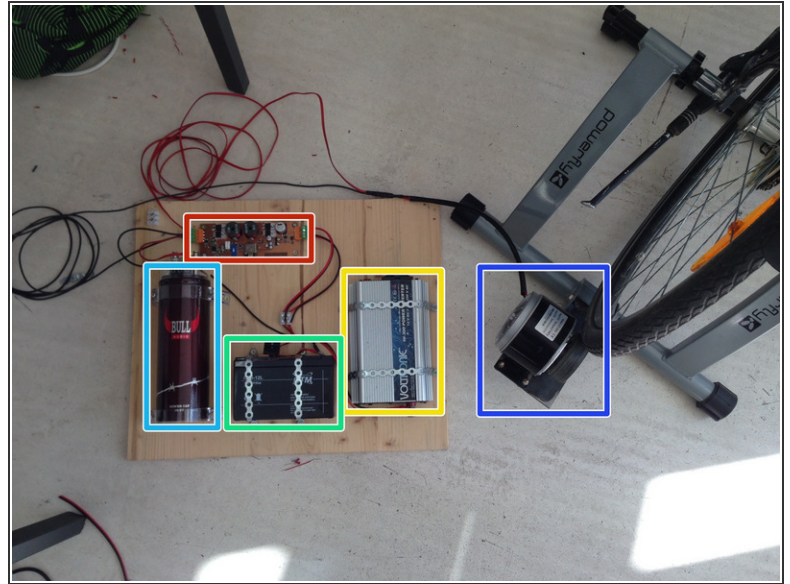
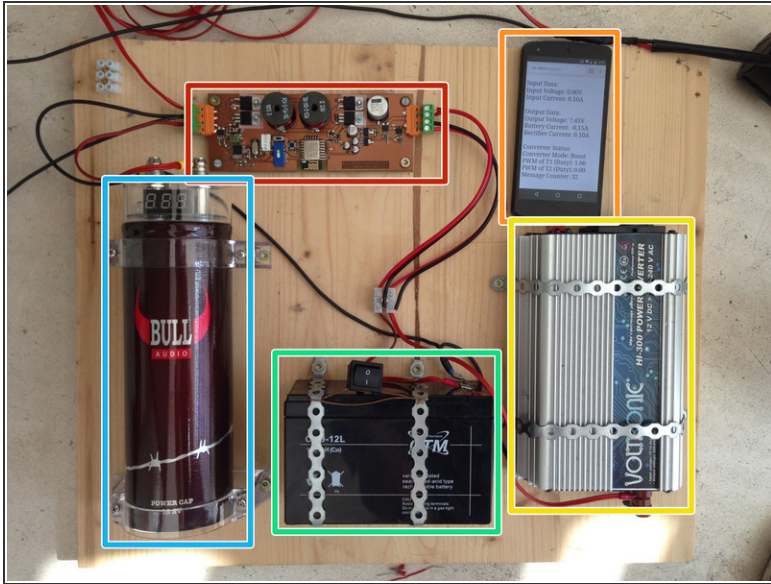
- [Electrical screwdriver](#) (1)



PARTS:

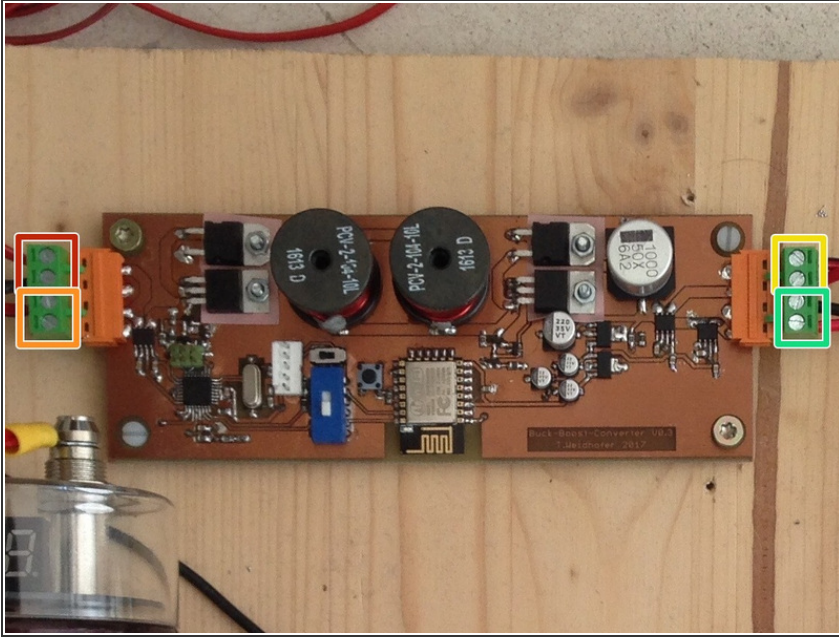
- [Pre-assembled board](#) (1)

Step 1 — Overview of board



- The following components are on the board:
- The buck-boost-converter itself.
- A device to display data (must be provided).
- A rectifier to allow the powering of 230V AC devices.
- A battery to store excess power.
- A capacitor to smooth the input voltage.
- The generator to power the board (bike not included, but needed).

Step 2 — Connections of PCB



⚠ All connectors have "+" on the left and "-" on the right when looked at from the cabling side!

⚠ The inputs are all on the left side of the PCB and the outputs are all on the right. these may not be exchanged!

- Connector to the generator
- Connector to the external capacitor
- Connector to the battery
- Connector to the rectifier

ⓘ If no further programming is necessary the device can now be accessed by connecting to the generated wifi signal and accessing the address:

<http://192.168.4.1/read.html>