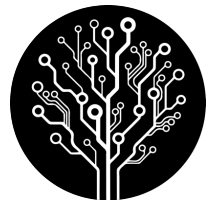
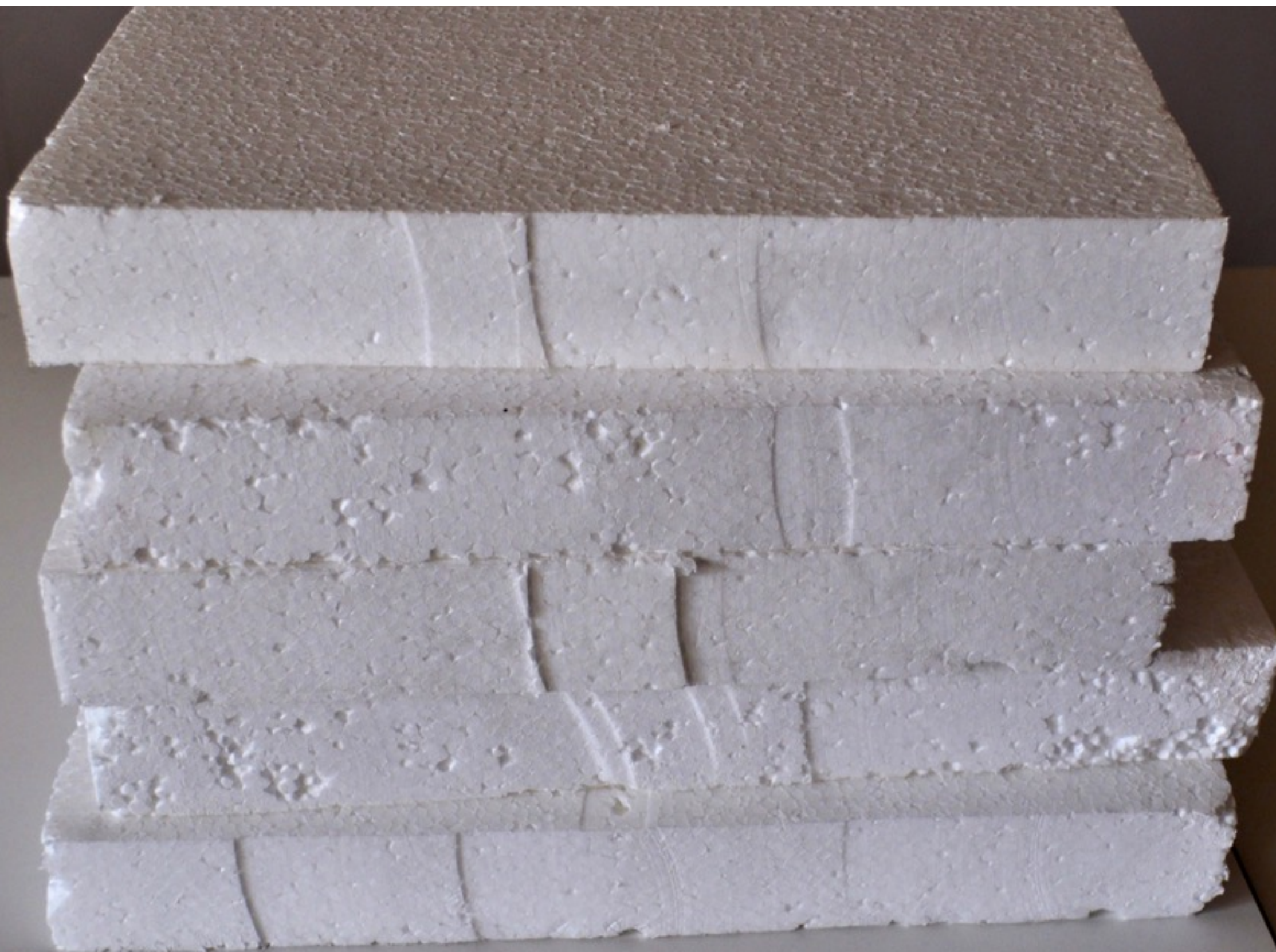


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Incubator Assembly Guide



# Cut the foam in the right dimensions

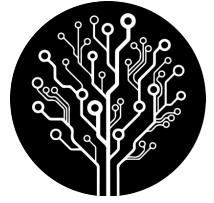






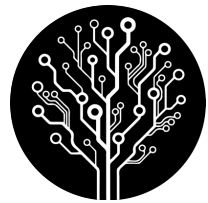
# Assemble the box





# Use double plates for the hinges

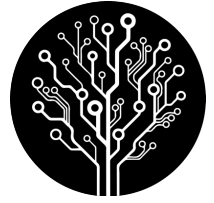




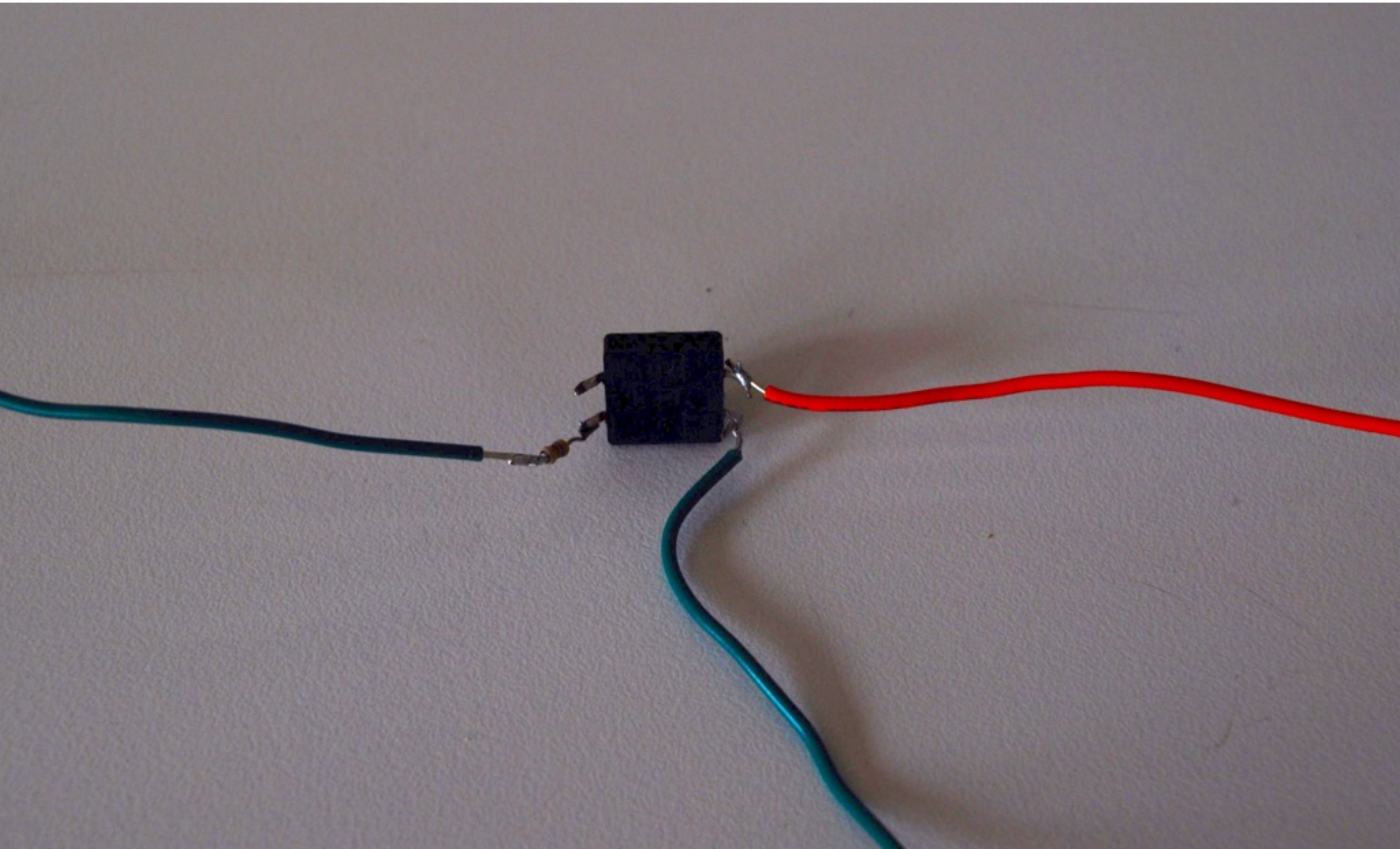
# Put the foam inside the box



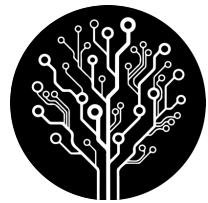




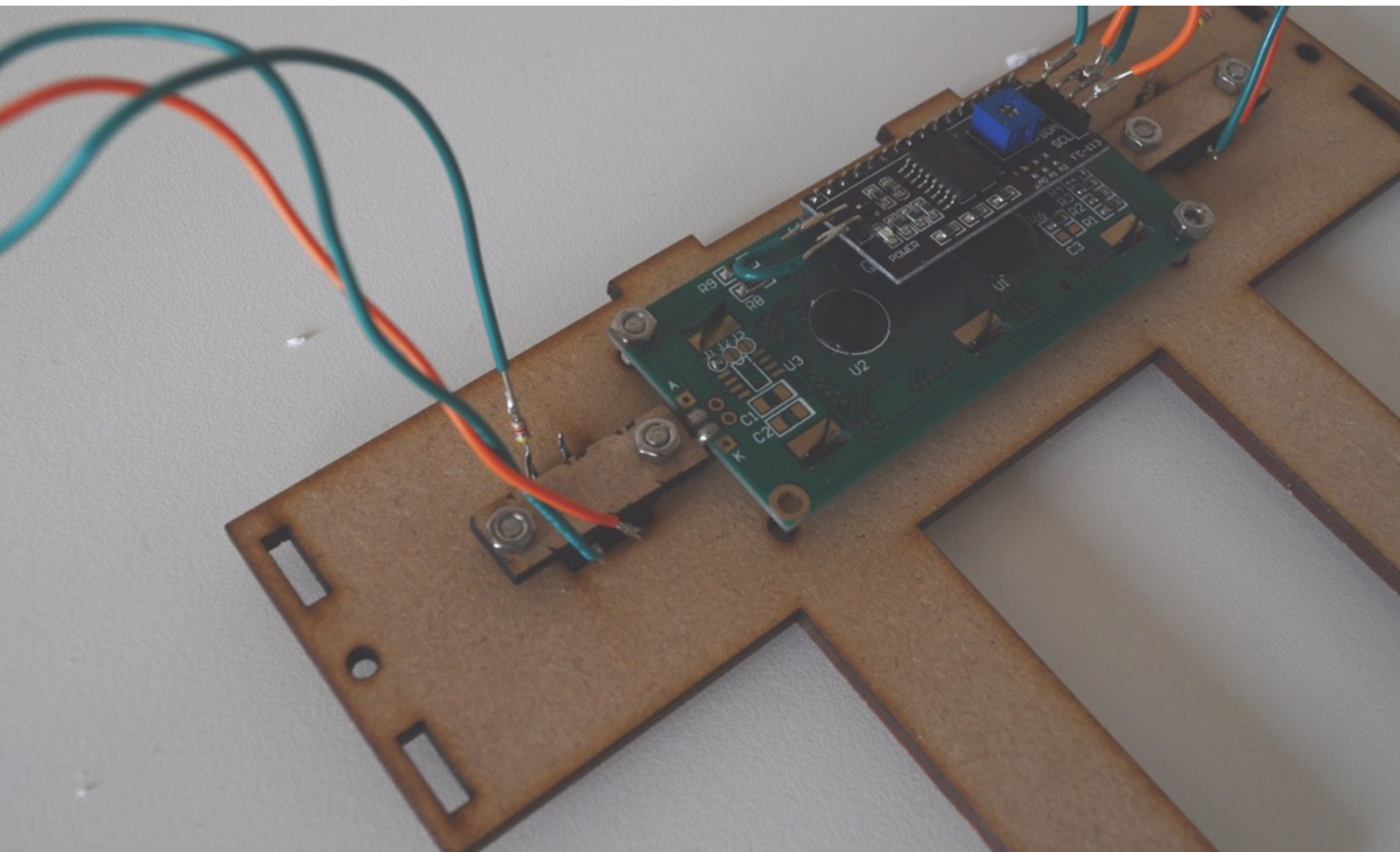
# Solder wires to the components







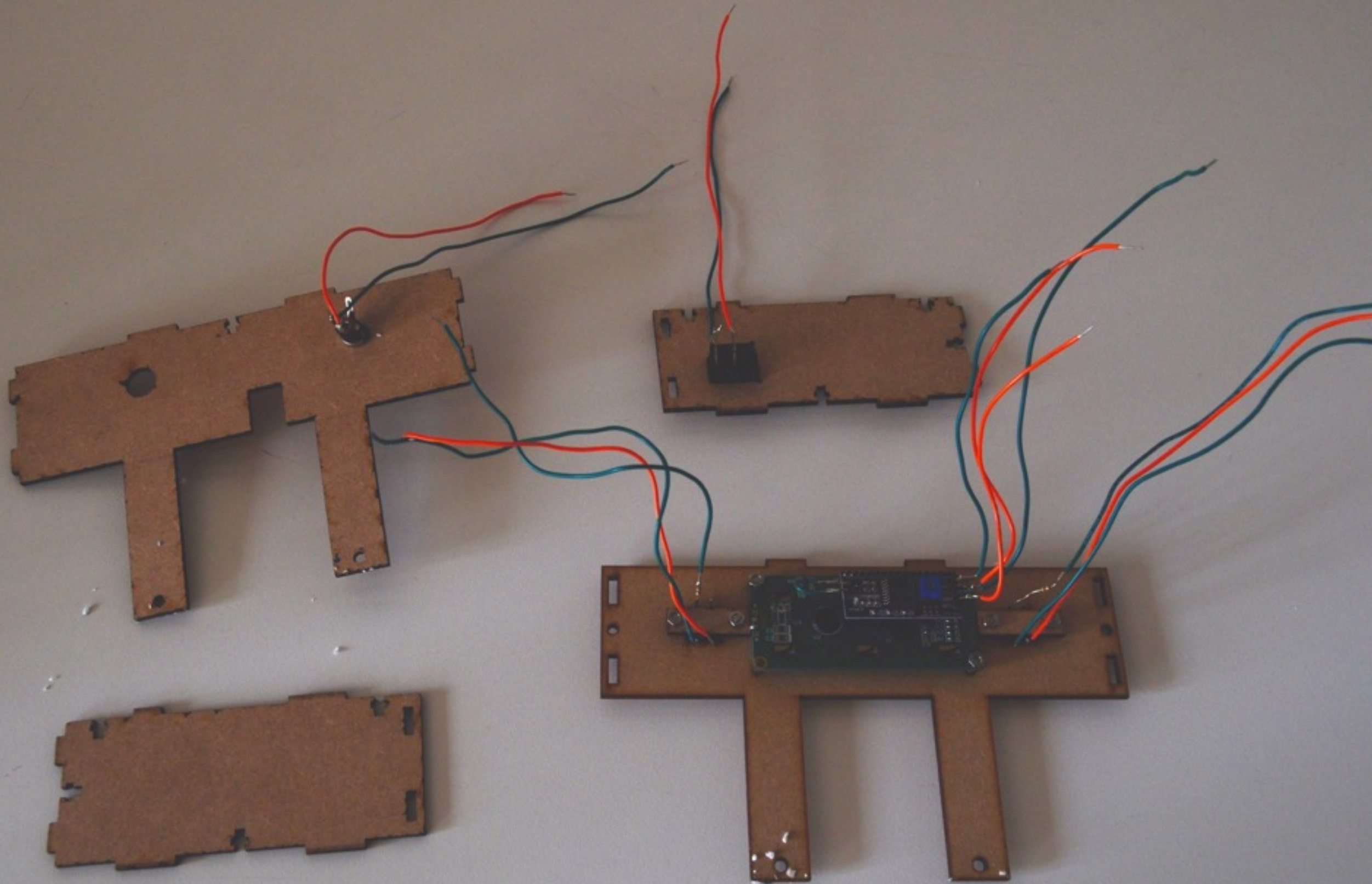
# Mount the button with screws



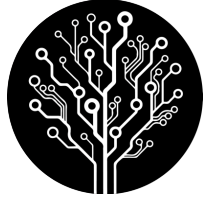




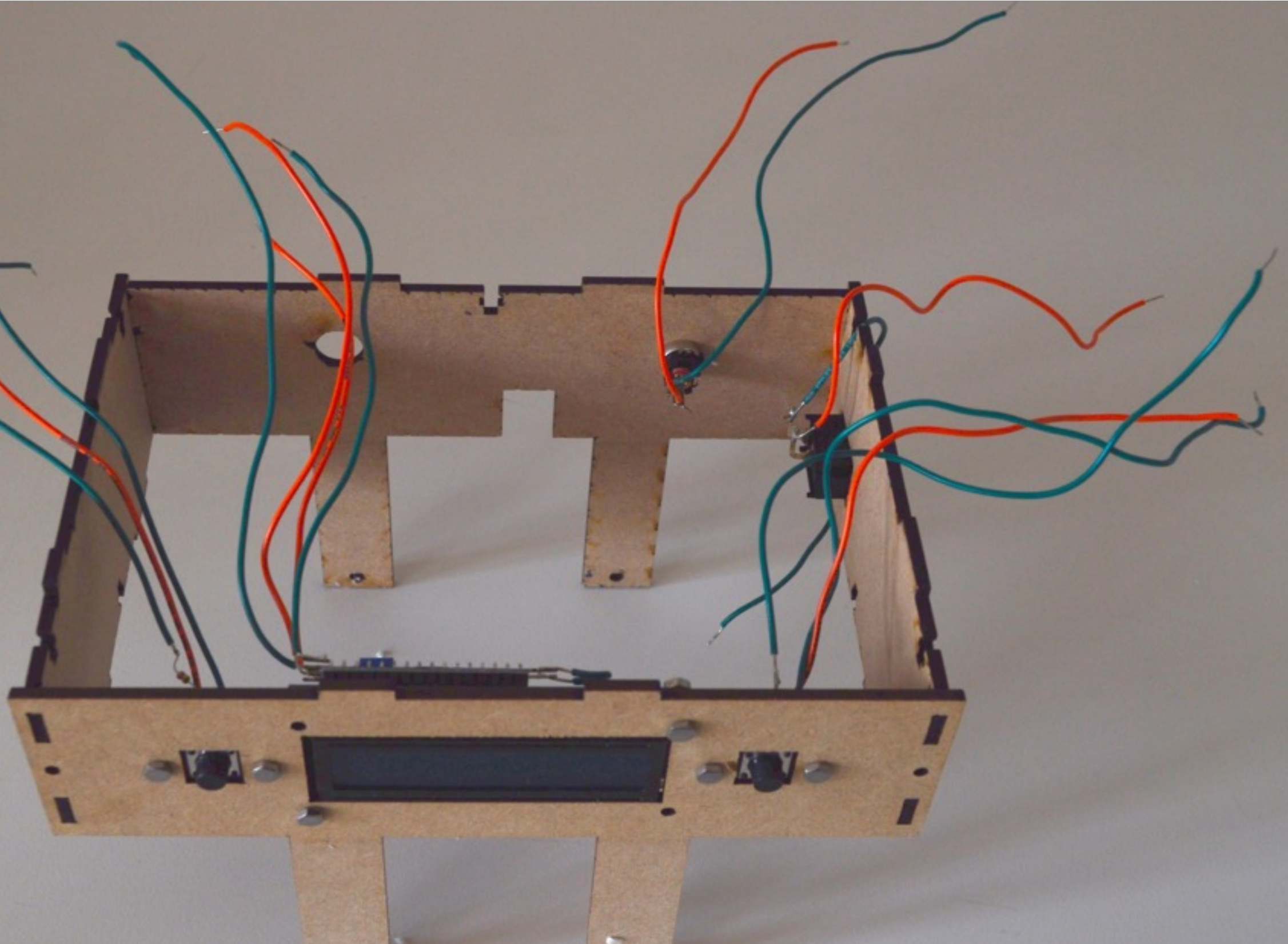
# Mount components in the panels



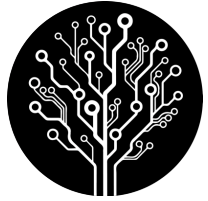




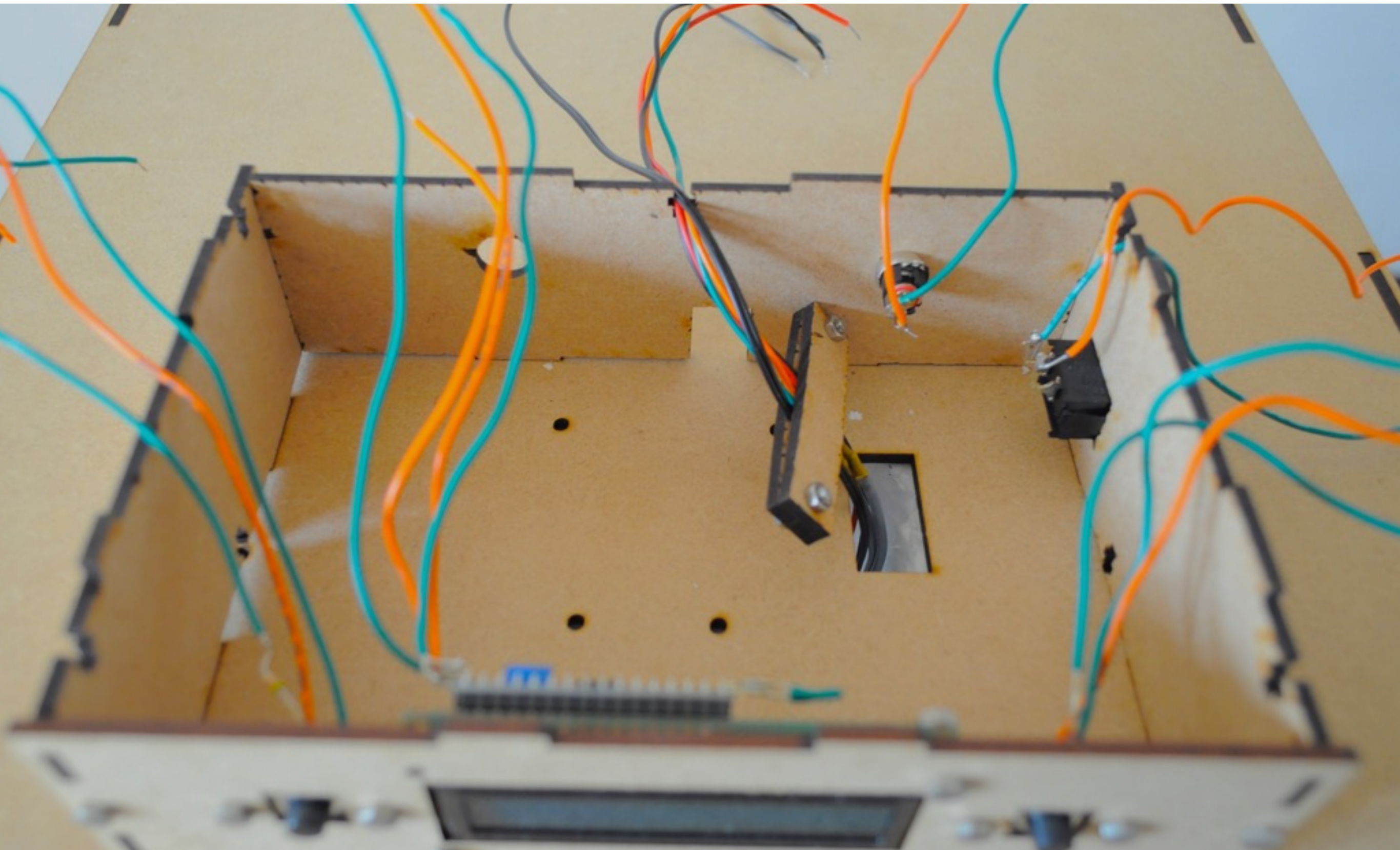
# Assemble the controller box



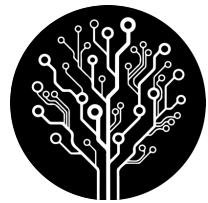




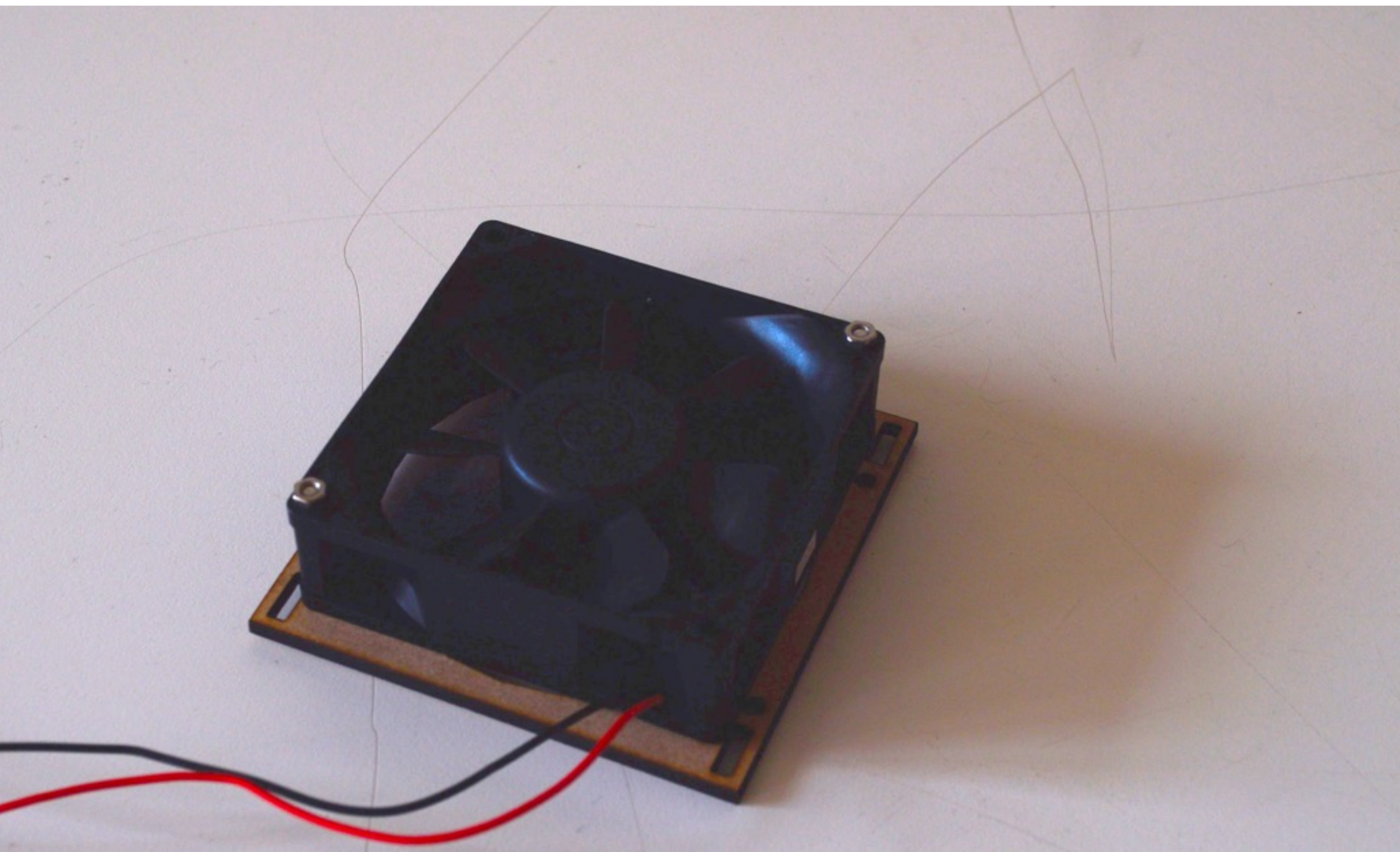
Put the controller box on top of the incubator





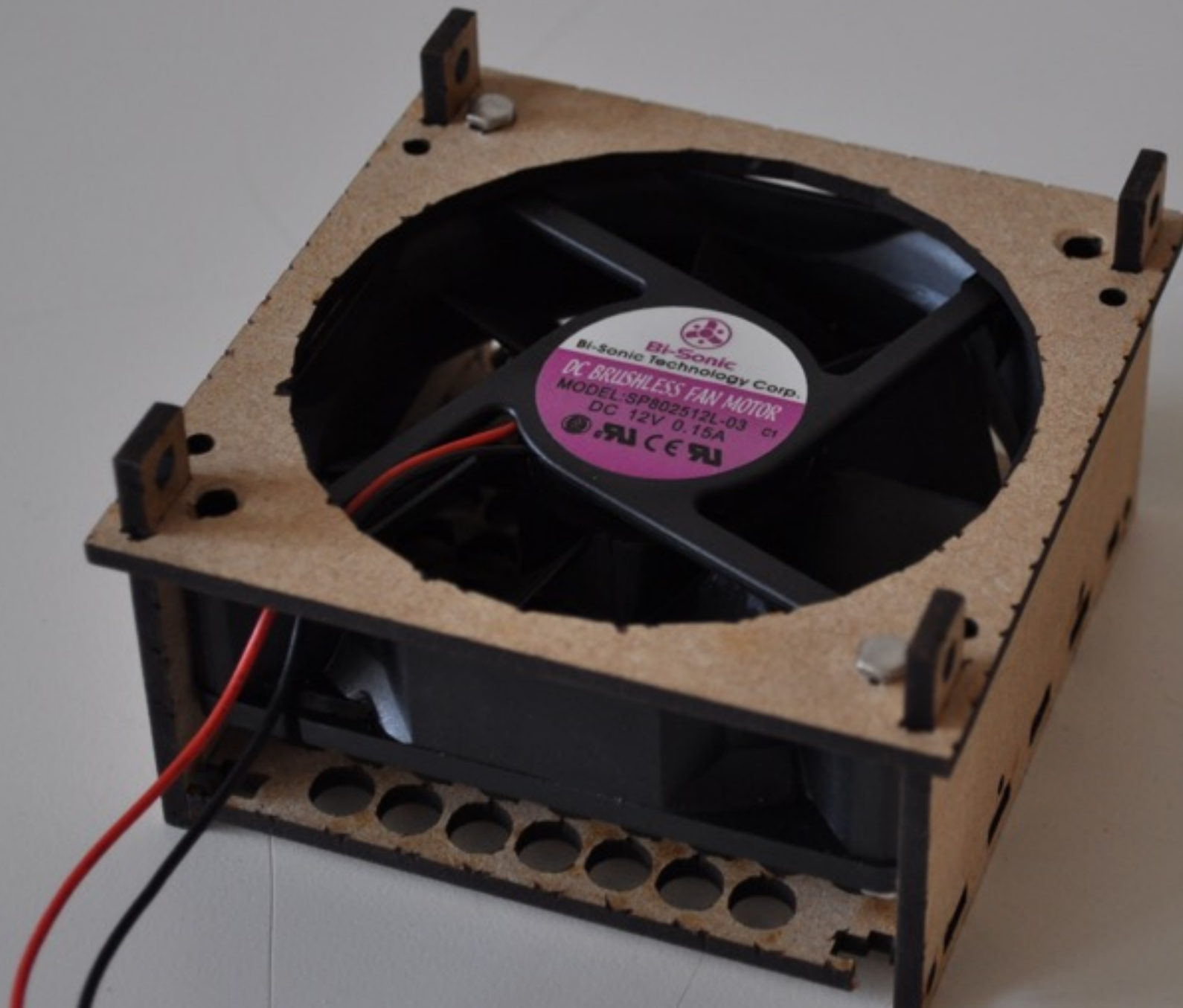


# Mount a fan to the panel





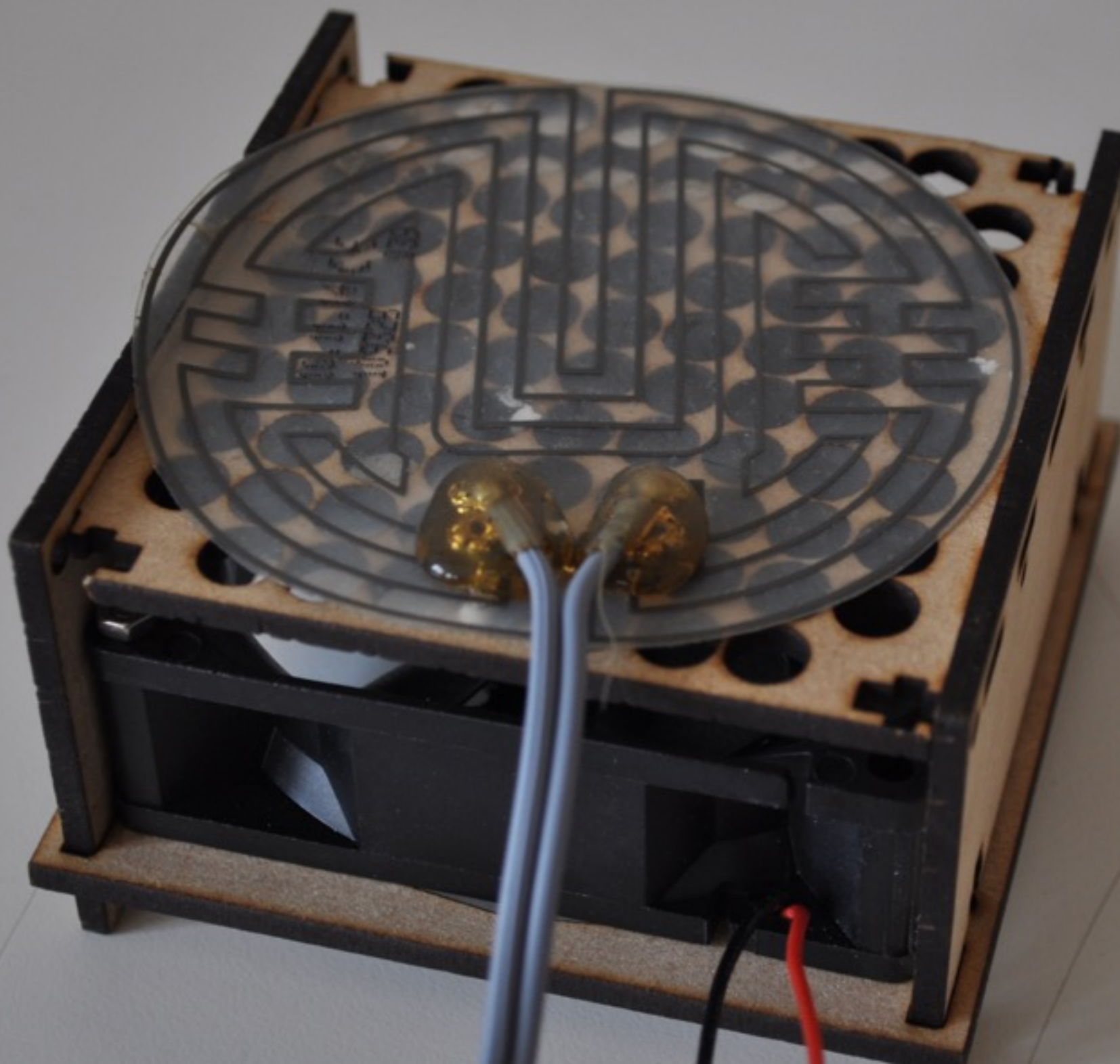
# Assemble the box



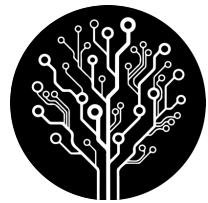




# Attach the heating foil



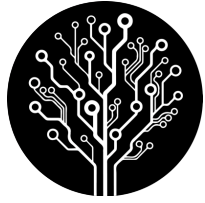




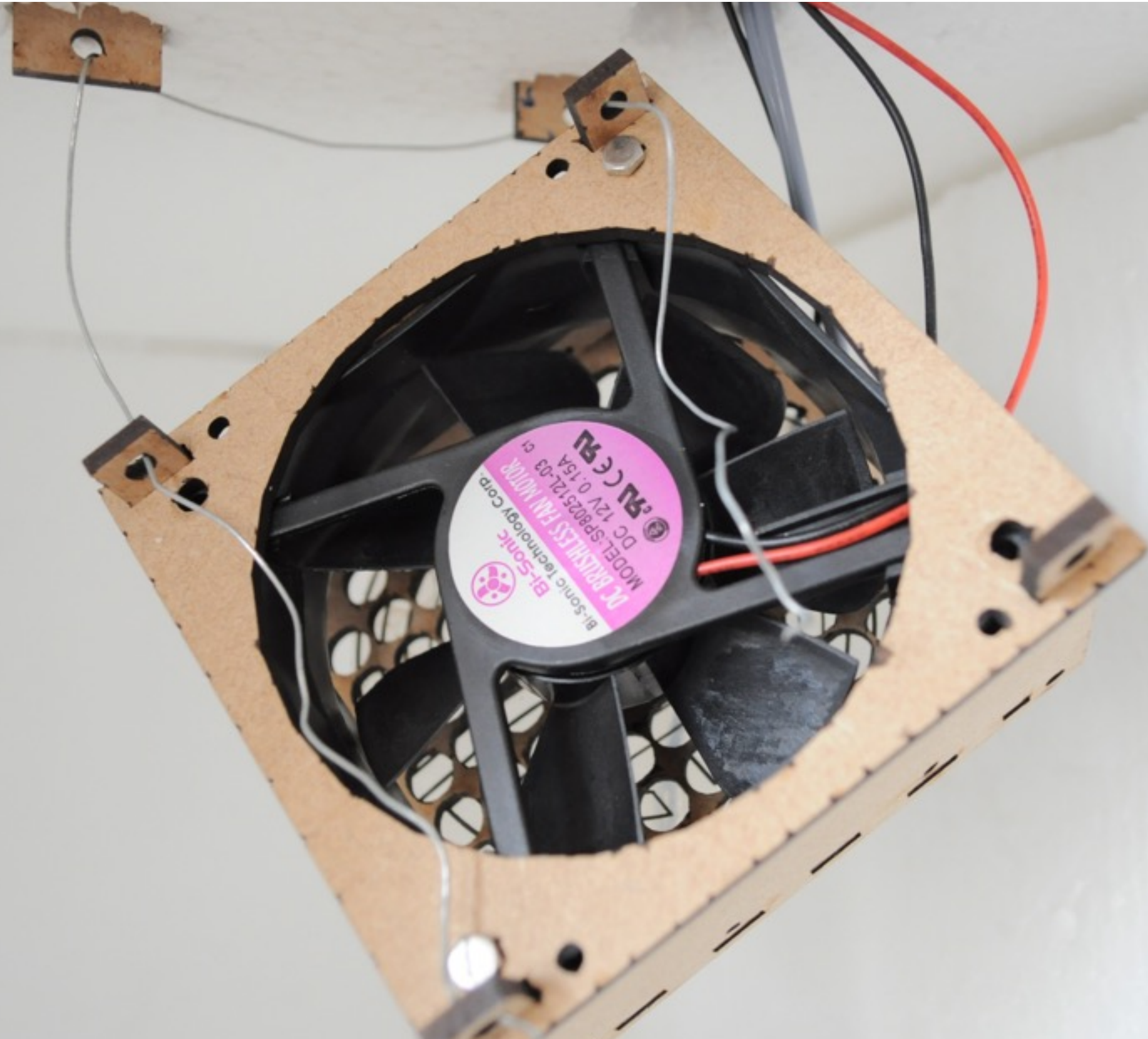
Put a wire through the holes in the back

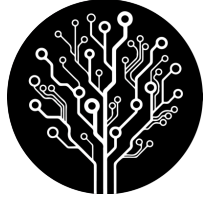






# Connect the heating element by wire

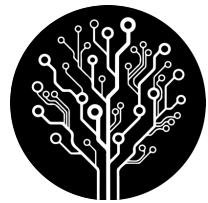




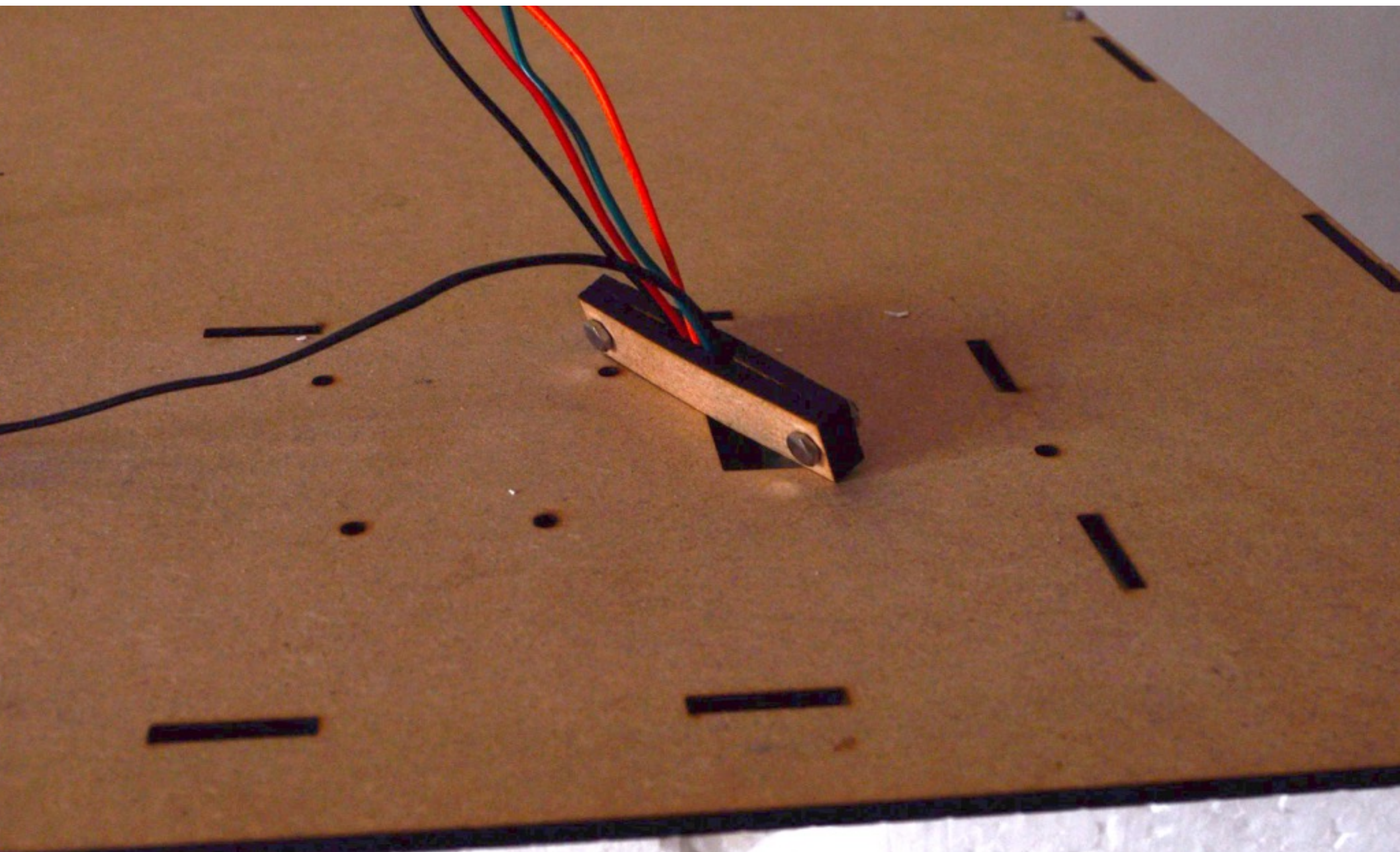
# Finish the mounting



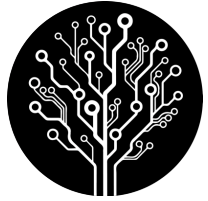




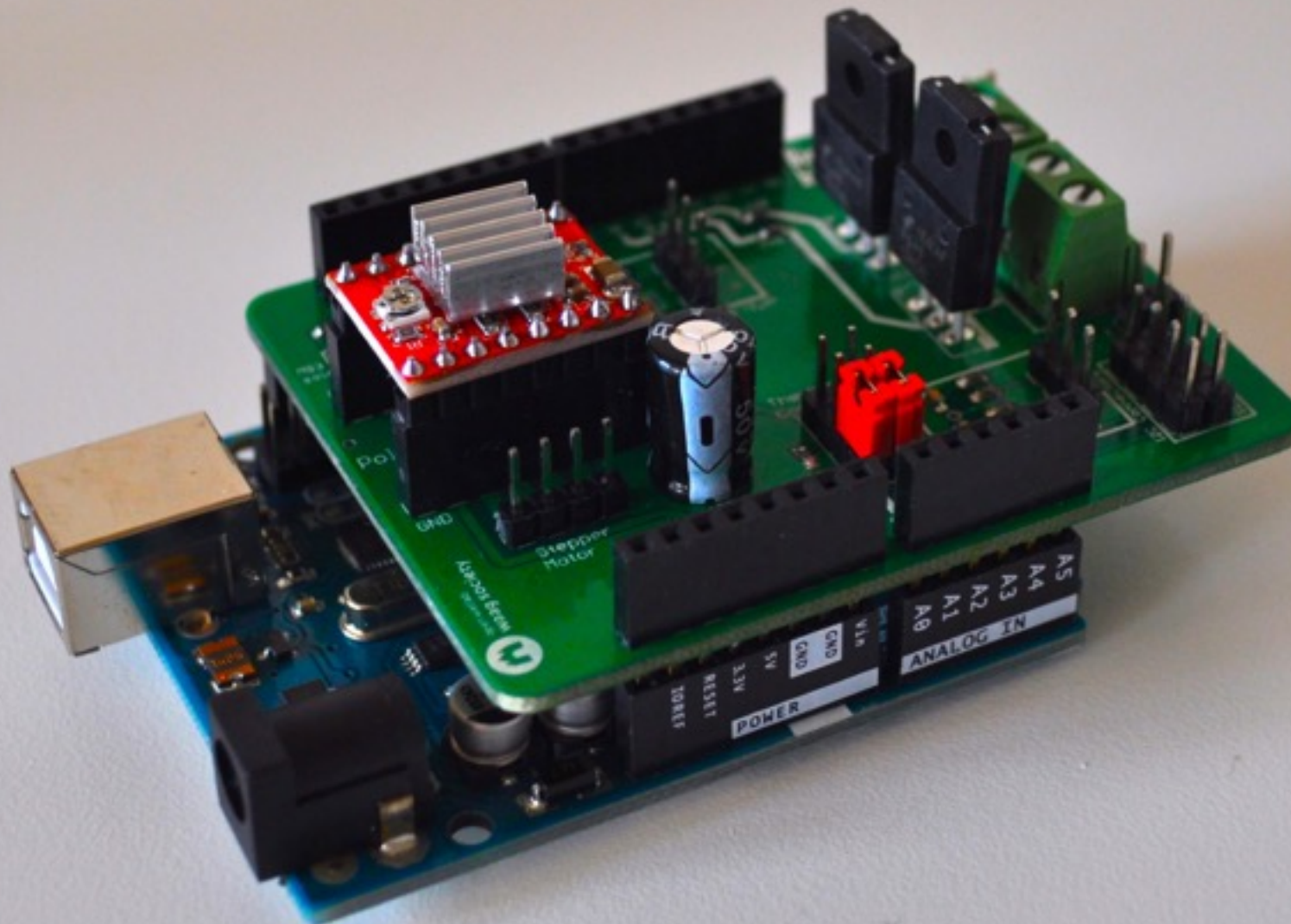
# Clamp the wires



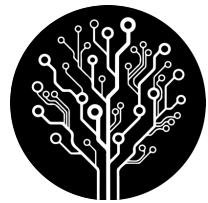




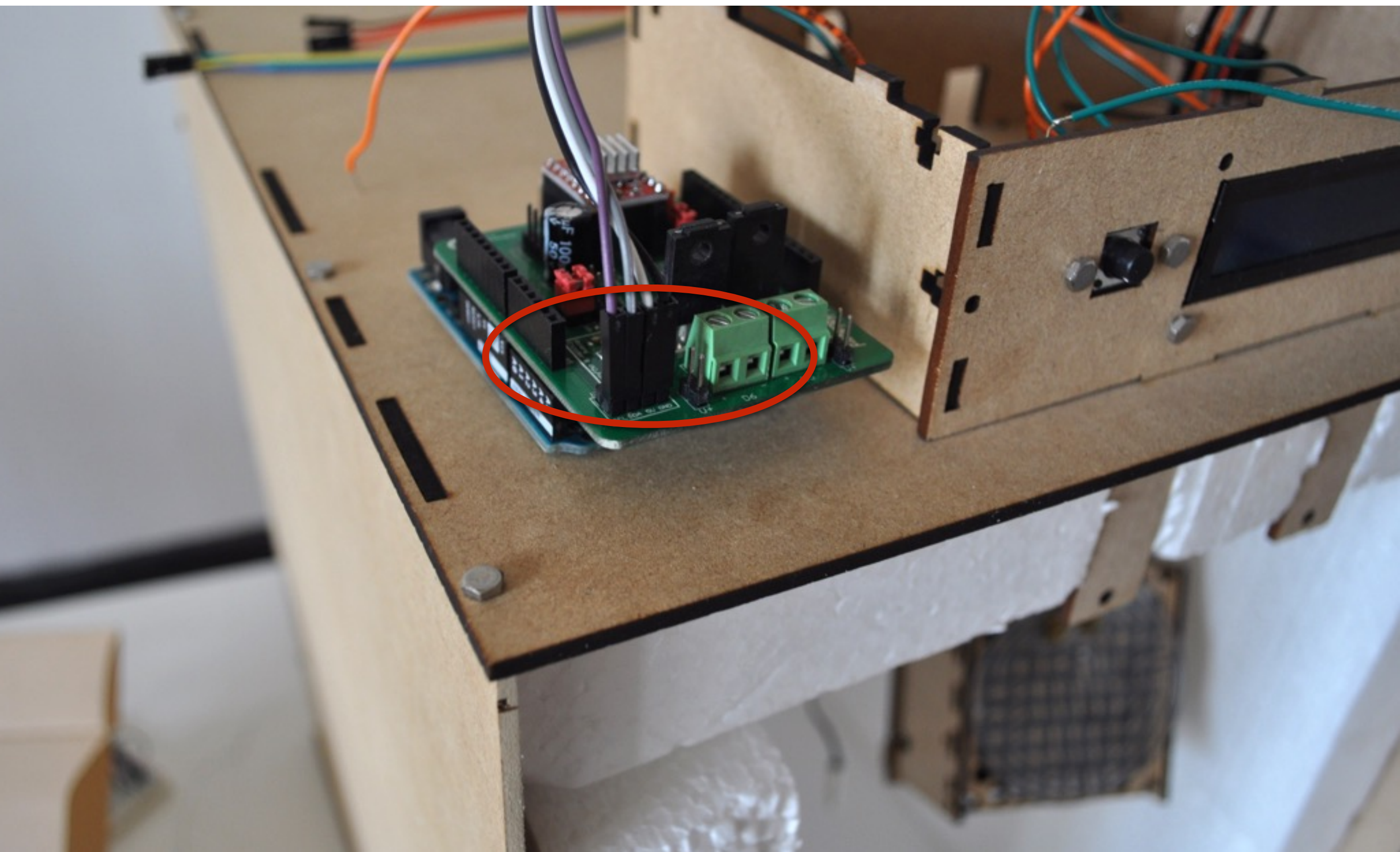
# Stack the BioHack Board on the Arduino



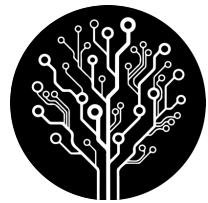




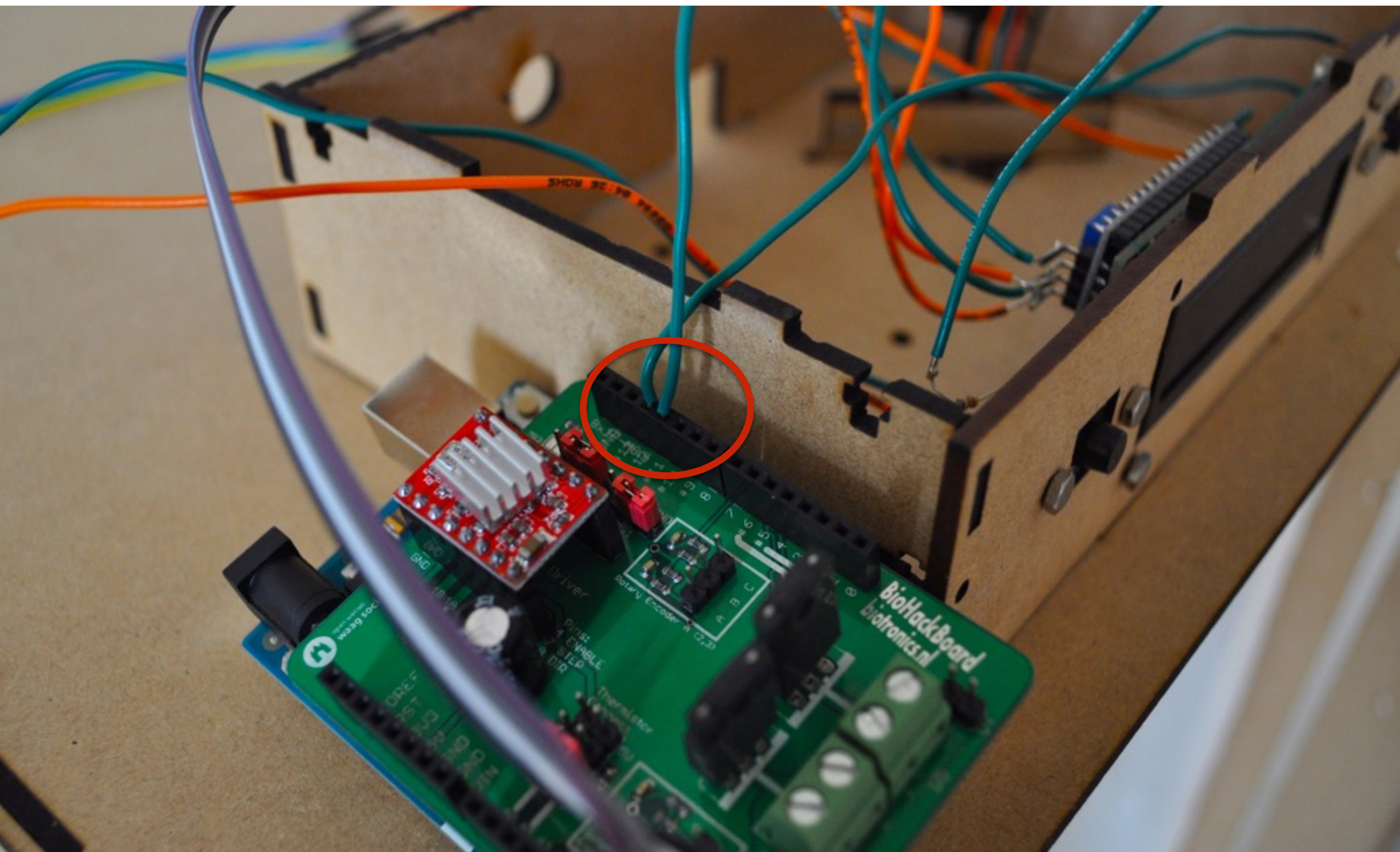
# Connect the display to the I2C port



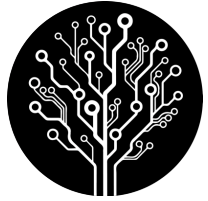




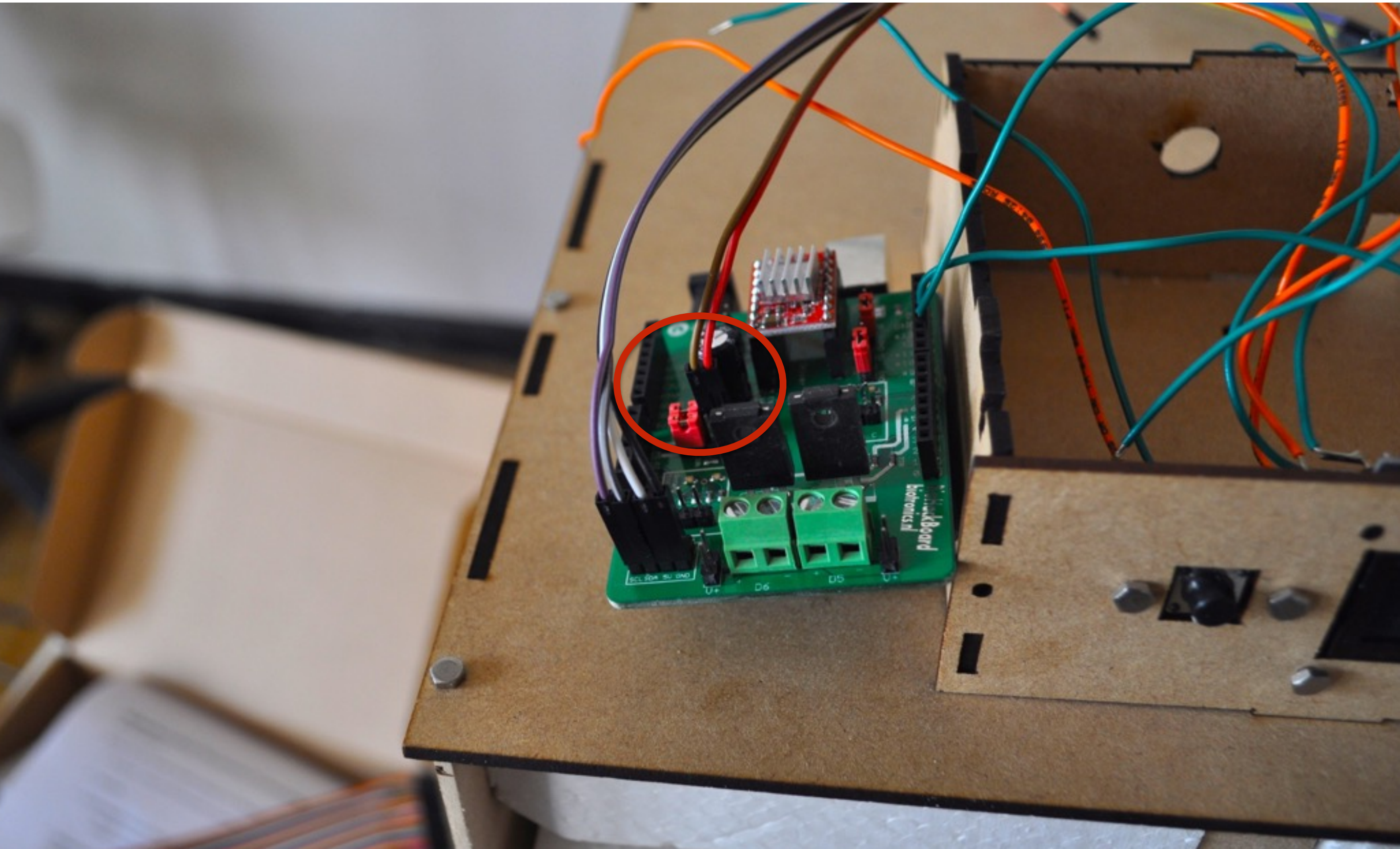
# Connect the buttons to pin 11 & 12







# Connect the thermistor to A0

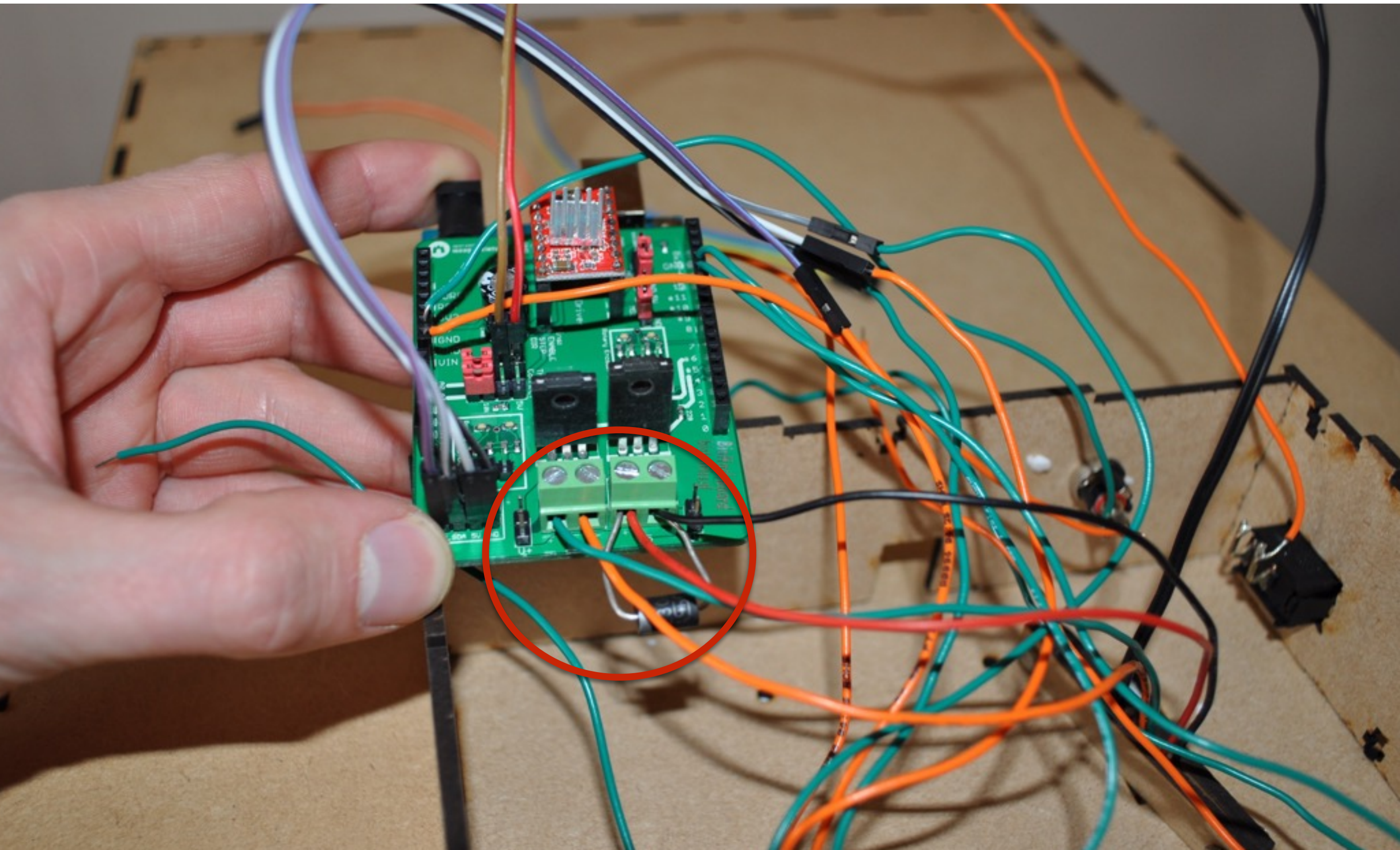






# Connect the fan and heating foil to the mosfet

Don't forget to add the diode for the fan

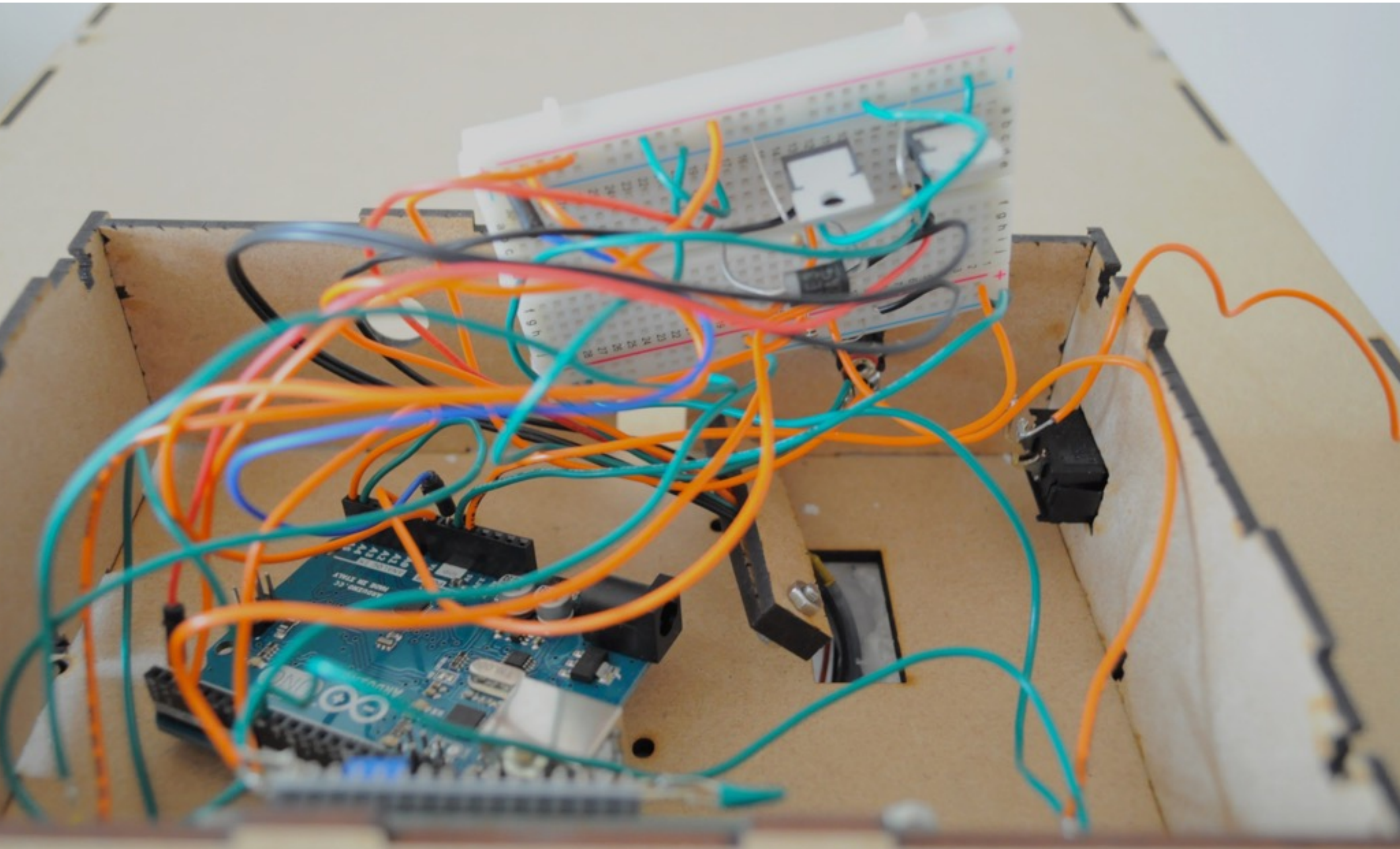






# Alternatively do everything breadboard style

Without the BioHack Board, it's a big mess but it works too :)

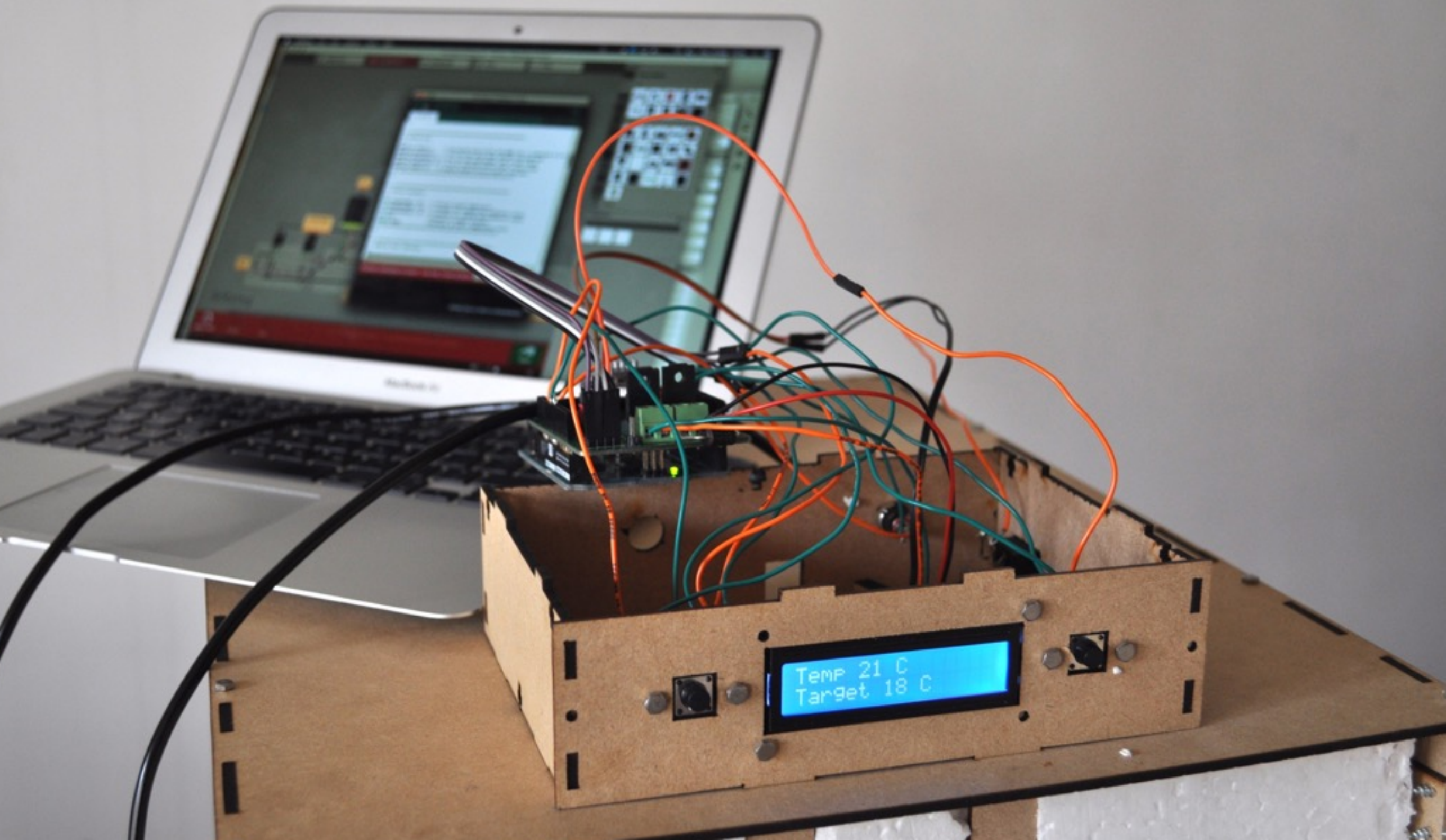






# Upload the code to the Arduino

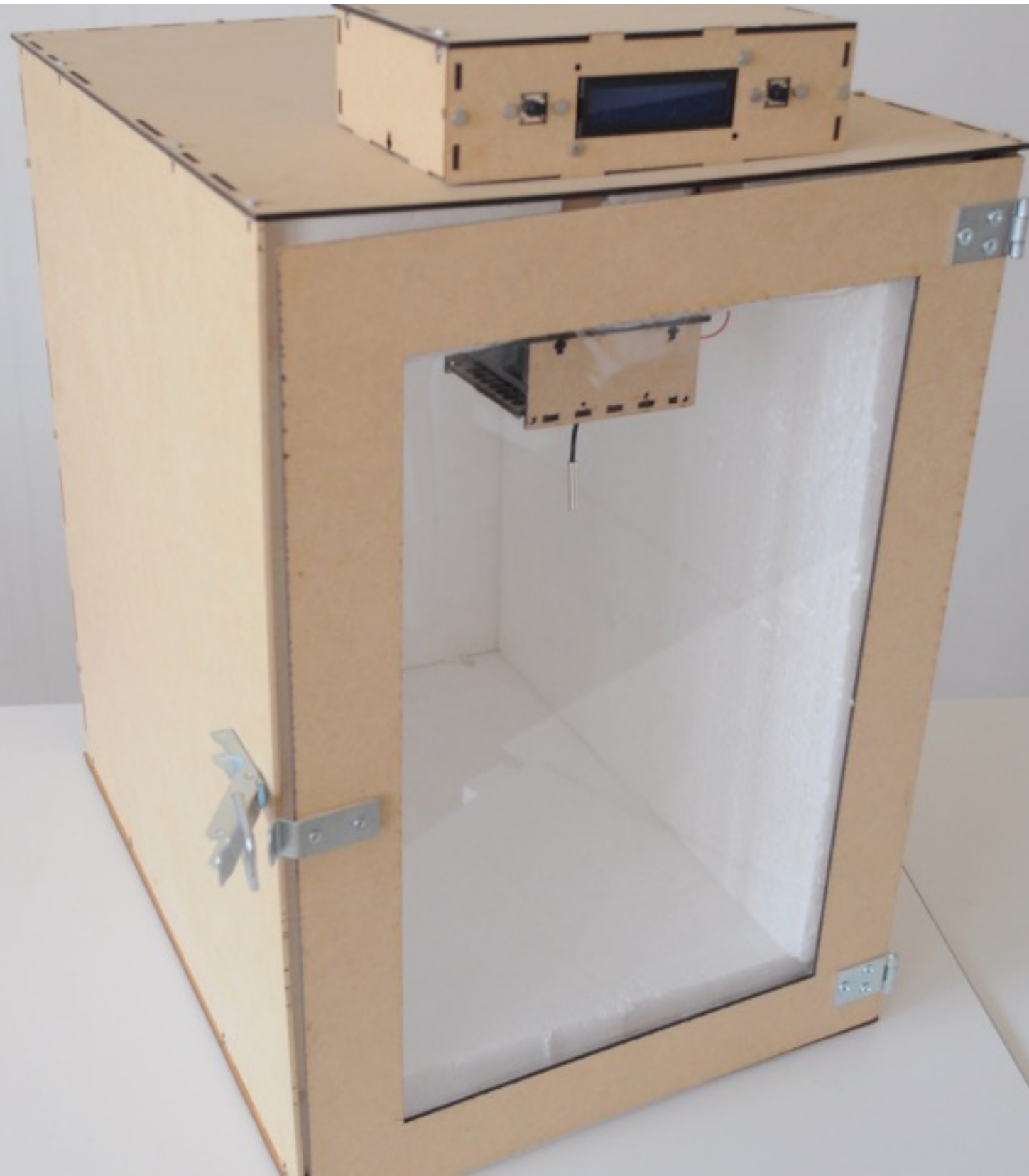
You can now change the target temperature by pushing the buttons







# Done!





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