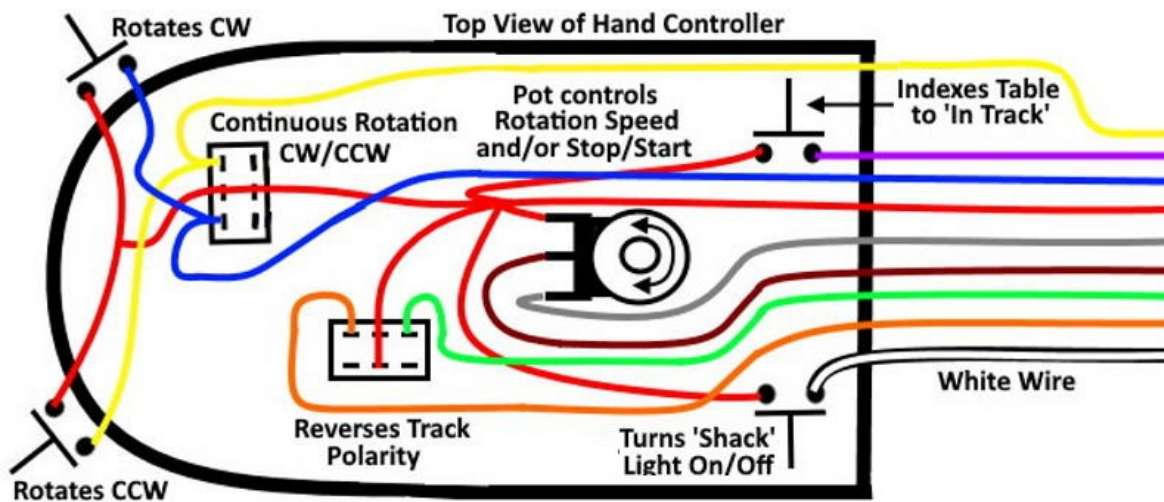


Above is the wiring for the hand controller. The red wire is 5 volt positive that needs to run to all of the push

button switches and the toggle switches and pot. You can daisy chain it any way that work for you. I'll also

have the print files up to print the hand control enclosure. One could also make one out of something else.



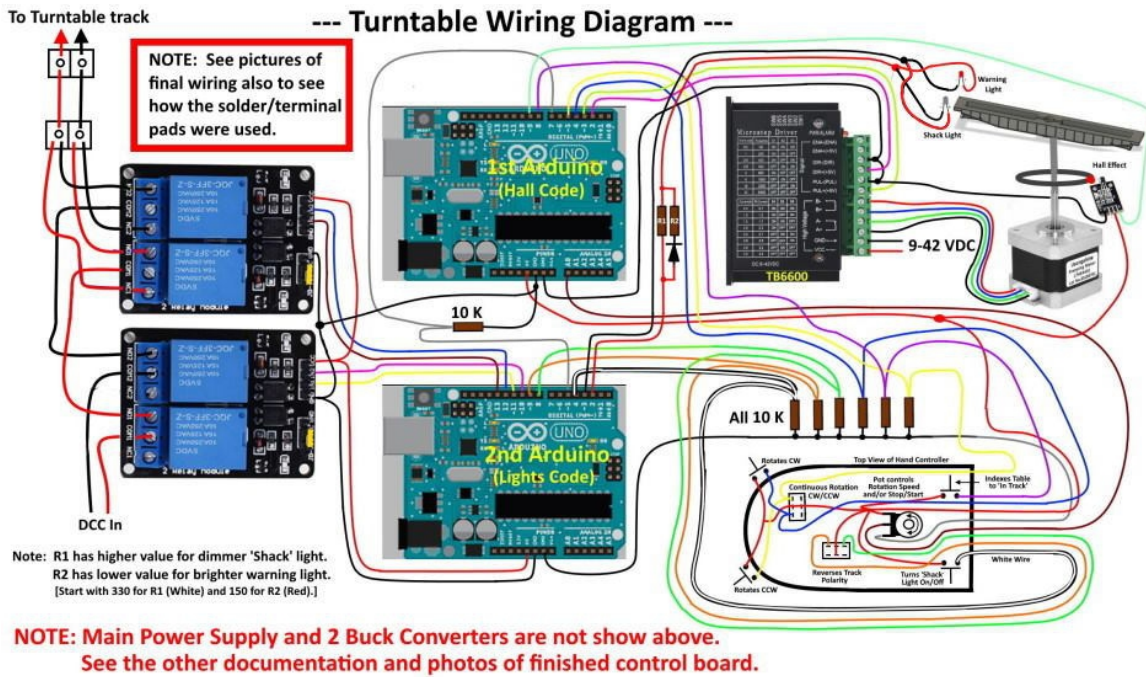
Above is a view of the hand controller wiring. Sorry, I didn't use a common red color for the 5v+ that runs

to all the switches and the Pot. I use scraps I had left over. The 5v+ comes in as the red wire that goes to the

middle contacts of the toggle just to the right of the yellow push button switch. From there it daisy chains to

all the other switches and the Pot. The gray 5v- comes in and goes to the bottom contact on the Pot. The

brown connects to the center post of the Pot and is the only analog input from the controller to the one Arduino.



Above is the basic wiring diagram. I tried to stay as close to the wire colors that are shown above as I could.

Most of the hand control wires go to pull-down resistors. I used the same wire coloring from the resistors to

the Arduino's by pulling the same wires from a short section of the cable.