Wiring Instructions

Follow these instructions to ensure that your Arduinos will run properly.
Please wire the Arduinos together before connecting them to the computer.

LED Screen to Arduino(For both Arduinos):
  1. GND <---> Breadboard GND bus
  2. VCC <---> Breadboard Positive bus
  3. RESET <--> Pin 8
  4. D/C <---> Pin 7
  5. CARD_CS <---> Pin 5
  6. TFT_CS <---> Pin 6
  7. MOSI <---> Pin 51
  8. SCK <---> Pin 52
  9. MISO <---> Pin 50
  10. LITE <---> Breadboard Positive bus

Joystick to Arduino(For both Arduinos):
  1. VCC <---> Breadboard Positive bus
  2. VERT <---> Pin A0
  3. HOR <---> Pin A1
  4. SEL <---> Pin 9
  5. GND <---> Breadboard GND bus

Pushbutton to Arduino(For both Arduinos):
  1. Pin 2 <---> Pushbutton <---> Breadboard GND bus

Arduino to Arduino:
  1. Arduino 1 GND <---> Arduino 2 GND
  2. Arduino 1 TX3 <---> Arduino 2 RX3
  3. Arduino 1 RX3 <---> Arduino 2 TX3

Other Wiring:
  Server Arduino:
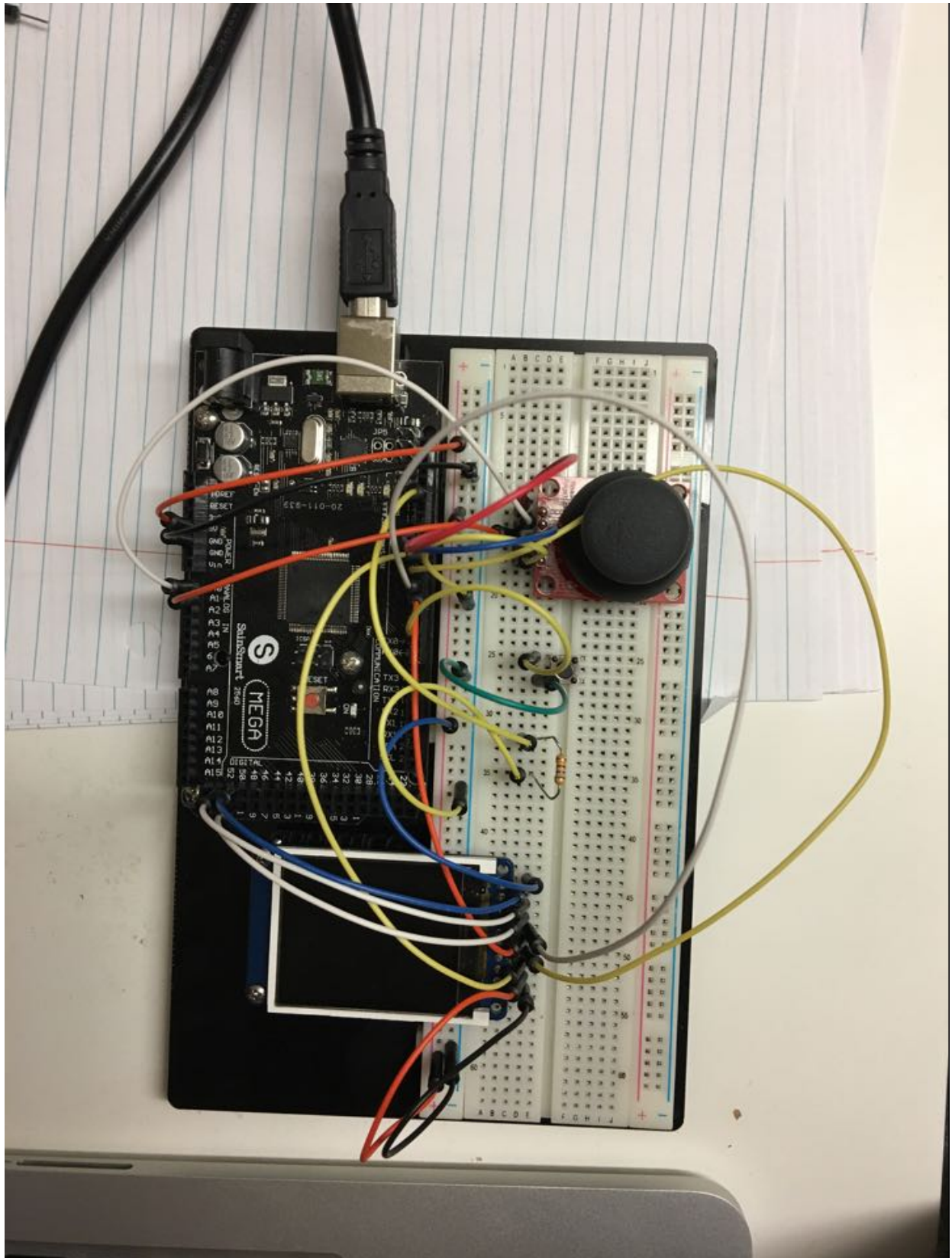   1. Pin 13 <---> Resistor <---> Breadboard GND bus
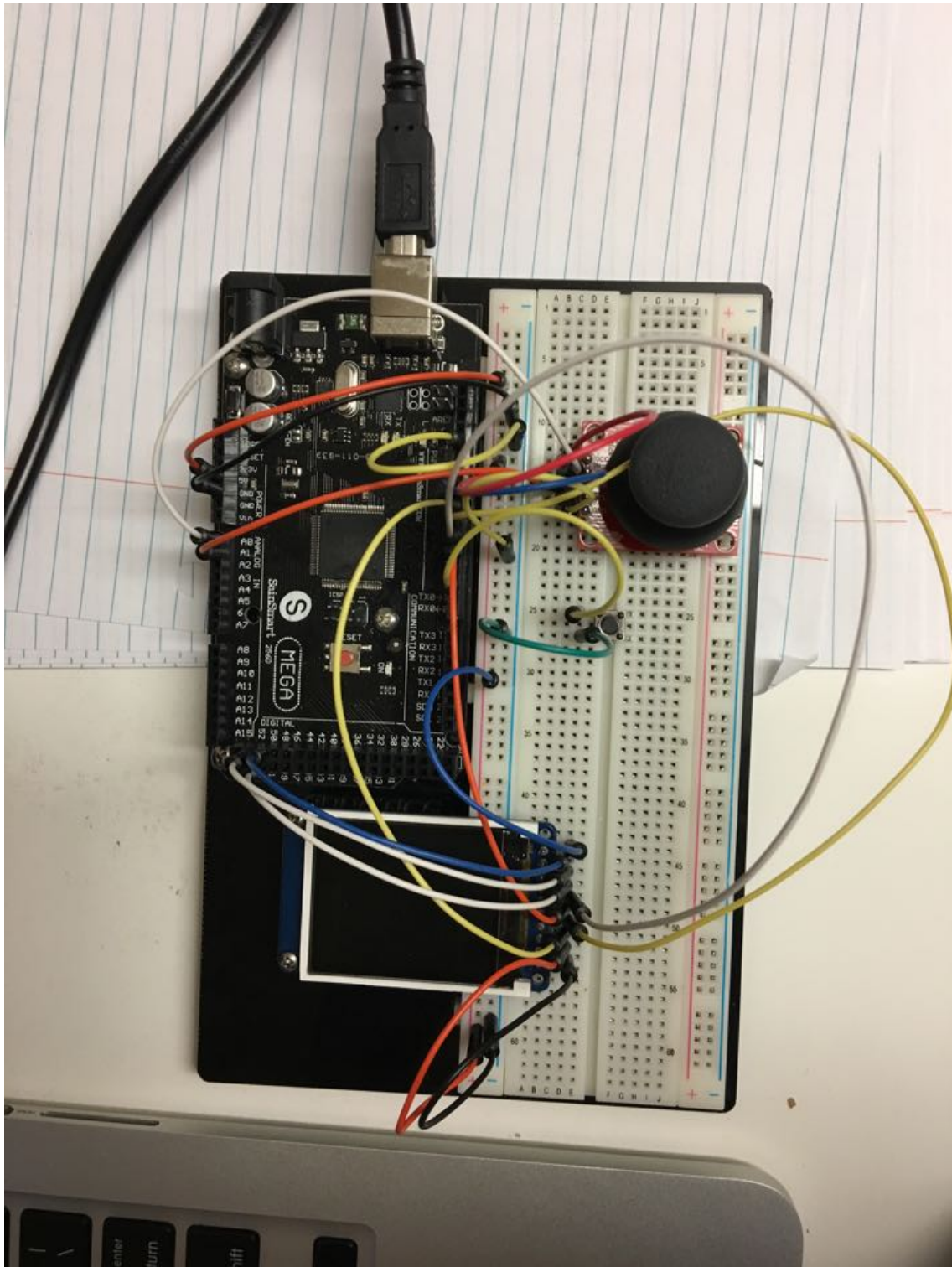 Client Arduino:
    1. Pin 13 <---> Arduino GND
  Both Arduinos:
    1. Arduino 5V <---> Breadboard Positve bus
    2. Arduino GND <---> Breadboard GND bus

The wiring diagram for the server:

The wiring diagram for the client:

To connect these two Arduino together, please connect Arduino 1 GND to Arduino 2 GND, Arduino 1 TX3 to Arduino 2 RX3, and Arduino 1 RX3 to Arduino 2 TX3.