**2D Motion Stage Setup Guide**

1. Turn on the power of motion stage
2. Connect the Arduino's USB to the laptop
3. Upload the code to the Arduino board
4. Zero the motion stage (Move the stage to the most down-left corner, which is the origin)
5. Upload the code again so that the current calibrated position would be the origin of the program
6. Enter the time and the absolute coordinate to control the motion stage

**Datasheet**

Link: <https://www.makerguides.com/wp-content/uploads/2019/10/TB6600-Manual.pdf>

Table

Description automatically generated

**Circuit Diagram**

We're currently using **common-cathode** connection, please follow the circuit diagram below to wire the stepper motor driver to the Arduino board.

Diagram, schematic

Description automatically generated