Motor Setup Instruction

Motor: HT23-400

Vendor link: <https://www.mouser.com/ProductDetail/Applied-Motion/HT23-400?qs=sGAEpiMZZMu0WtFXTgs3LvbD76Eq%252BivAtxxOMHS4gpA%3D>

Motor driver: TB6600 Stepper Motor Driver Controller

MCU: Arduino

Wire connection on Motor:

Connect YELLOW/WHITE and RED/WHITE

Connect ORANGE/WHITE and BLACK/WHITE

Wire connection between Motor and Motor driver:

Connect RED to B+

Connect YELLOW to B-

Connect ORANGE to A+

Connect BLACK to A-

Wire connection between Arduino and Motor driver:

Connect ENA- to Pin5

Connect ENA+ to 5V

Connect DIR- to Pin6

Connect DIR+ to 5V

Connect PUL- to Pin7

Connect PUL+ to 5V

Attention:

Power: VCC is recommended to be 24V.

Current: Turn switch 4,5,6 on (Flip down) can limit the current so that overheat is prevented.

All the software programs are included.

Run Arduino program first.

Then Run the python script.