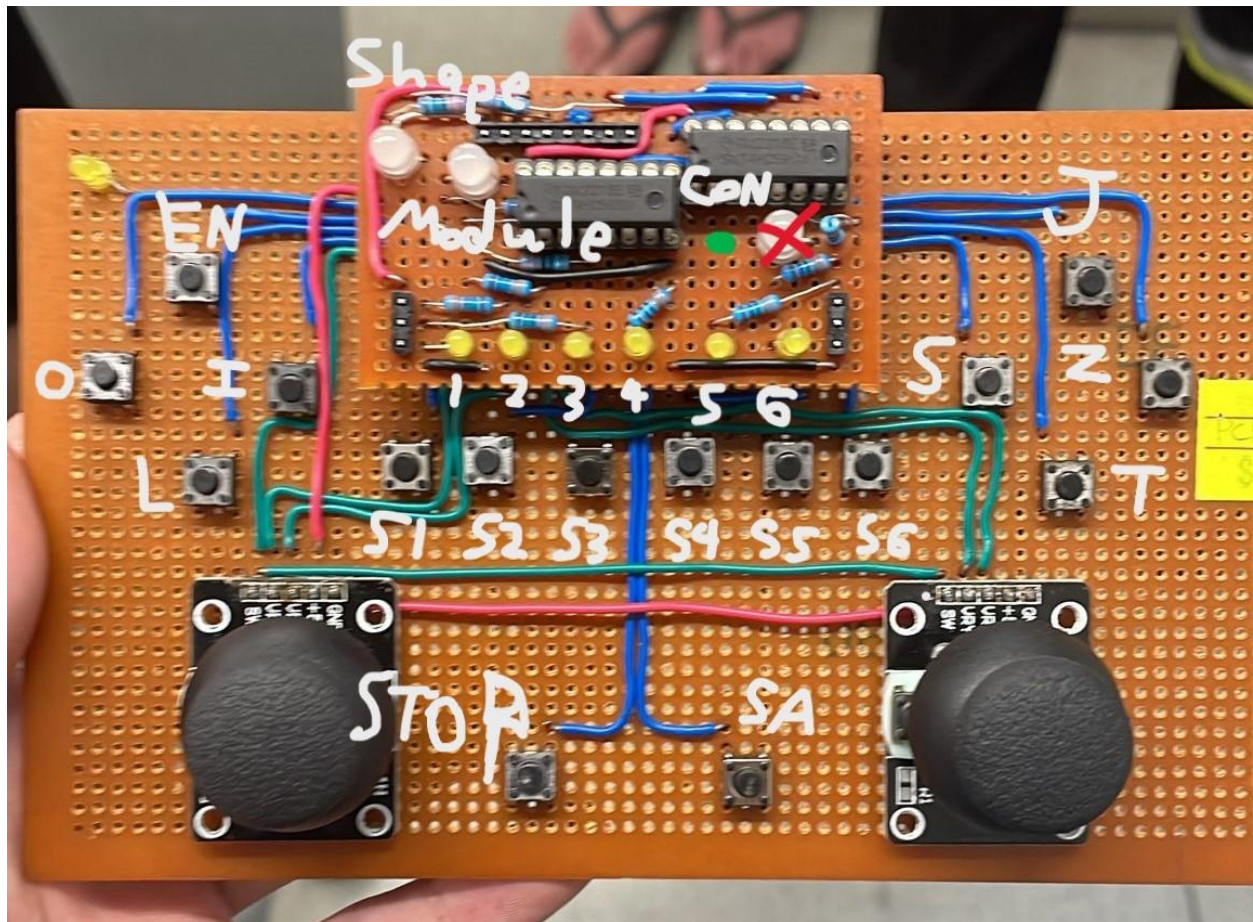


Smorphi Pilot Custom Controller

User Manual

Board layout



Buttons:

O: Change shape to 'O'

I: Change shape to 'I'

L: Change shape to 'L'

S: Change shape to 'S'

Z: Change shape to 'Z'

J: Change shape to 'J'

T: Change shape to 'T'

STOP: Stop all movement

SA: Unlock all solenoids

EN: Enable module selection

S1: Solenoid 1 unlock / Module 1 select

S2: Solenoid 2 unlock / Module 2 select

S3: Solenoid 3 unlock / Module 3 select

S4: Solenoid 4 unlock / Module 4 select

S5: Solenoid 5 unlock

S6: Solenoid 6 unlock

*Module select sequence:

1. Press and hold EN
2. Press and hold module to be selected
3. Let go of EN
4. Let go of module

*Move modules apart before unlocking solenoids

Indicators:

CON: Connected to robot (Robot is replying)

1 to 6: Solenoid engaged (Refer to Appendix A for reference to shapes)

Shape: Shape smorphi thinks it is in (Not implemented)

Module: Module selected

Module 1: Red

Module 2: Green (Not implemented correctly)

Module 3: Blue

Module 4: Cyan

Joysticks:

Left (Move in straight line, linearly):

DOWN RIGHT: Move backward right (Diagonally)

RIGHT: Rotate right

	1	2	3	4	5	6	
I :	●	○	●	○	○	●	Lst : ○
L :	●	○	●	○	●	○	Unit : ●
O :	●	○	○	●	○	●	
S :	○	●	○	●	○	●	
Z :	●	●	○	○	●	○	
J :	○	●	○	●	●	○	
T :	●	●	○	●	○	○	