

Moving Normal

Left Motor: Left Motor Relative Degrees

Right Motor: Right Motor Relative Degrees

Top Button

No use on first page

Center Button

Moving for degrees
+ 1 motor turns + 2
motor turns

Down Button

Wall square backwards
for 1s

Important Note

When using code generation for the drivetrain, push the robot firmly into the ground while moving it. Once moved, press the corresponding button to save that movement

Line Squaring

Top Button

Line squares with sensors 2 and 3 on the front edge of black and white

Center Button

No use on second page

Down Button

Line squares with sensors 2 and 3 on the front edge of black and white

Important Note

For line squaring, align the robot as if it would have finished line squaring, then press the corresponding button to save movement. Make sure the robot is on the right side of the line before the line square

Moving Sensor 2

Left Motor: Left Motor Relative Degrees

Right Motor: Right Motor Relative Degrees

Sensor 2 Color: Sensor 2 Color

Top Button

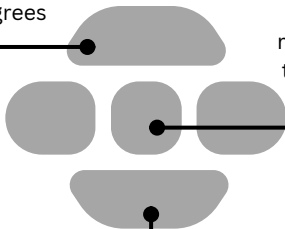
Line follows with sensor 2 on the left edge of the line for degrees

Center Button

Moves until the robot sees the color the robot currently sees with sensor 2

Down Button

Line follows with sensor 2 on the right edge of the line for degrees



Important Note

Remember to press on the robot firmly while making the movements. Press the buttons after the movement is made. For the center button, make sure that the sensor is seeing the correct color before pressing the button

Moving Sensor 3

Left Motor: Left Motor Relative Degrees

Right Motor: Right Motor Relative Degrees

Sensor 3 Color: Sensor 3 Color

Top Button

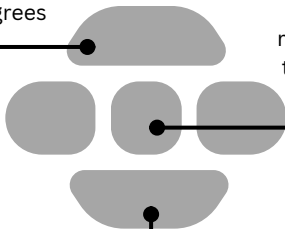
Line follows with sensor 3 on the left edge of the line for degrees

Center Button

Moves until the robot sees the color the robot currently sees with sensor 3

Down Button

Line follows with sensor 3 on the right edge of the line for degrees



Important Note

Remember to press on the robot firmly while making the movements. Press the buttons after the movement is made. For the center button, make sure that the sensor is seeing the correct color before pressing the button

Claw Moving

Claw Absolute Degrees: Claw Motor Absolute Degrees

Top Button

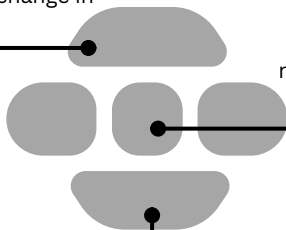
Opens the claw at a slow speed, does not make corresponding change in code

Center Button

Makes the code to move the claw to its current position

Down Button

Closes the claw at a slow speed, does not make corresponding change in code



Important Note

This page is only for moving the claw for absolute degrees. If you want to close the claw to grab something, use page 6. Move the claw with motor control before pressing the center button.

Claw Seconds

Top Button

Opens the claw for 1s,
does not make
corresponding change
on robot

Center Button

Sets the claw speed
to close at 100

Down Button

Closes the claw for 1s,
does not make
corresponding change on
robot

Important Note

If using the claw for seconds, make sure to use page 4 for motor control so the claw is how it should be. If grabbing an object, press the center button after the down button for better grabbing

Lift Moving

Lift Absolute Degrees: Lift Motor Absolute Degrees

Top Button

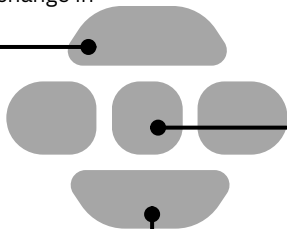
Lifts up at a slow speed,
does not make
corresponding change in
code

Center Button

Makes the code to
move the lift to its
current position

Down Button

Lowers down at a slow
speed, does not make
corresponding change in
code



Important Note

This page is only for moving the lift to absolute degrees. If you want to completely lower or lift, use page 8. Move the lift with motor control before pressing the center button.

Lift Seconds

Top Button

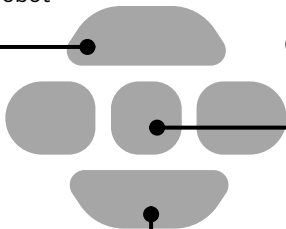
Lifts up for 1s, does not make corresponding change on robot

Center Button

No use on eighth page

Down Button

Lowers down for 1s, does not make corresponding change on robot



Important Note

If using the lift for seconds, make sure to use page 7 for motor control so the lift is how it should be. The pages wrap around so you can press the right button to go back to page 1