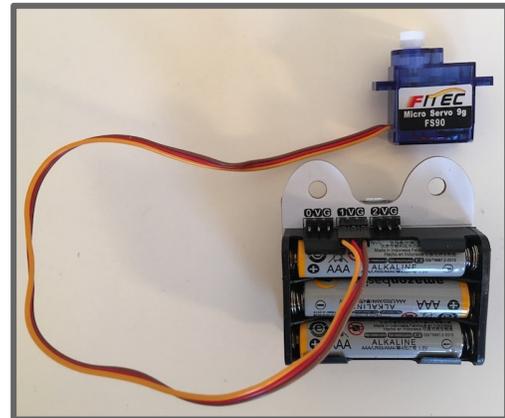
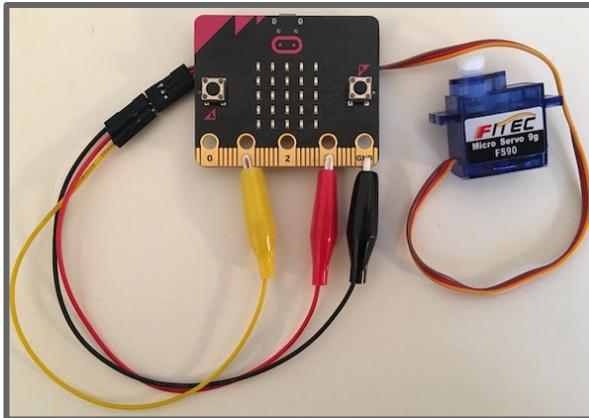


# micro:bit | Servos

Connect the micro:bit to MicroBlocks.



Connect a servo to pin 1 using either alligator clips or an extension board.



**NOTE:** The micro:bit needs extra power to run servos. Be sure to attach batteries or use an extension board that provides extra power.

Add the Servo library:



**Position Servos (FS90 or 180°)**  
These servos move to a specific angle you control and then stop. Try this code to see your position servo move!

```
forever
  set servo 1 to -90 degrees (-90 to 90)
  wait 500 millisecs
  set servo 1 to 0 degrees (-90 to 90)
  wait 500 millisecs
  set servo 1 to 90 degrees (-90 to 90)
  wait 500 millisecs
```

**Continuous Servos (FS90R or 360°)**  
These servos spin continuously like a motor or wheel. You control their speed and direction. This code will make your continuous servo spin. What happens if you increase or decrease the speed?

```
set servo 1 to speed 50 (-100 to 100)
wait 1000 millisecs
stop servo 1
```