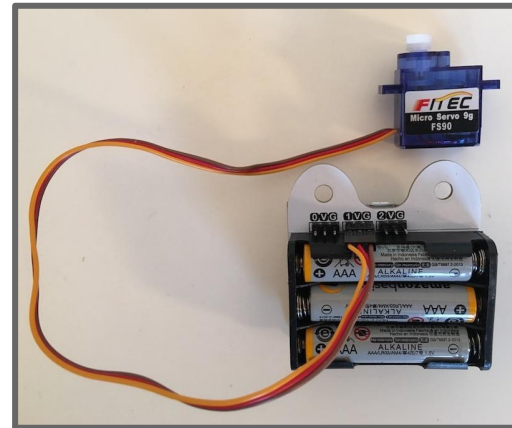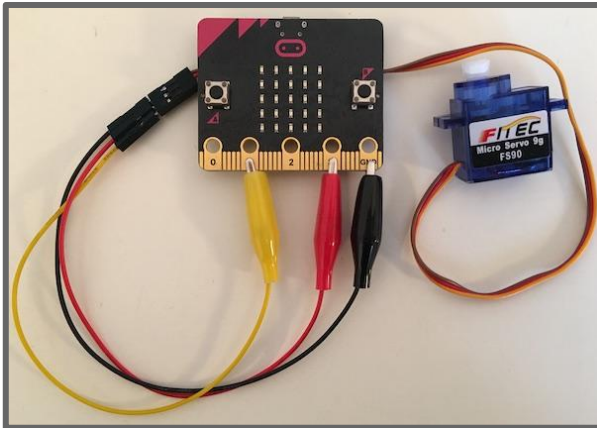# micro:bit | Servos

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: Libraries **+**   ██ **Servo**

Position Servos (FS90 or 180°)

Position servos move to a specific angle and stay there. You control what angle they move to. 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°)

Continuous servos spin continuously like a motor. 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
```

http://microblocks.fun