

The Micro Servo is a compact motor widely used in robotics and electronics to provide precise control of movement. It typically features a lightweight design, operates on low voltage, and is ideal for small-scale applications like RC vehicles, robotic arms, or hobby projects. The Micro Servo motors available to us move in the range 0° to 180°

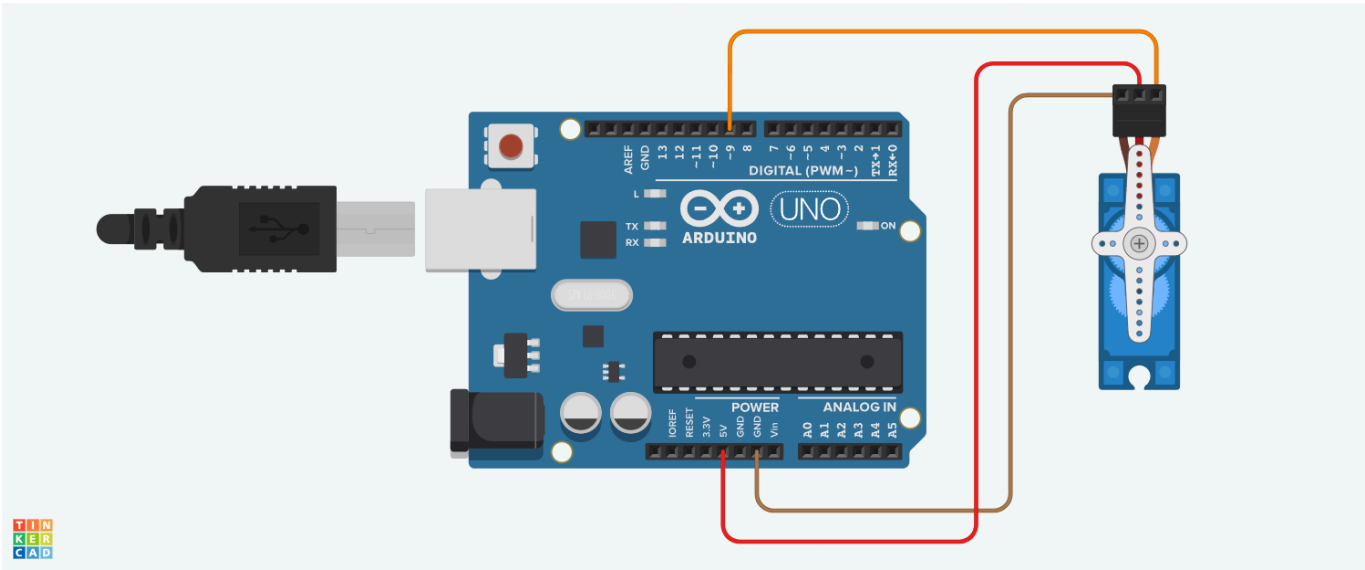
Hardware

- Micro Servo Motor
- Arduino
- Jumper Wires

Circuit

Connect the micro-servo motor to the Arduino as shown in the diagram. Here is a table of the connections for your reference:

Micro-Servo	Wire Color	Arduino
Power	Red	5V
Ground	Brown	GND
Signal	Orange	9



You can use any digital pin to run the Micro Servo motor. Just make sure to update the pin number in the code, as shown below in the `void setup()` function.

```
void setup() {
  initializeServoMotor(9); // Initialize the servo on digital pin 9
}
```