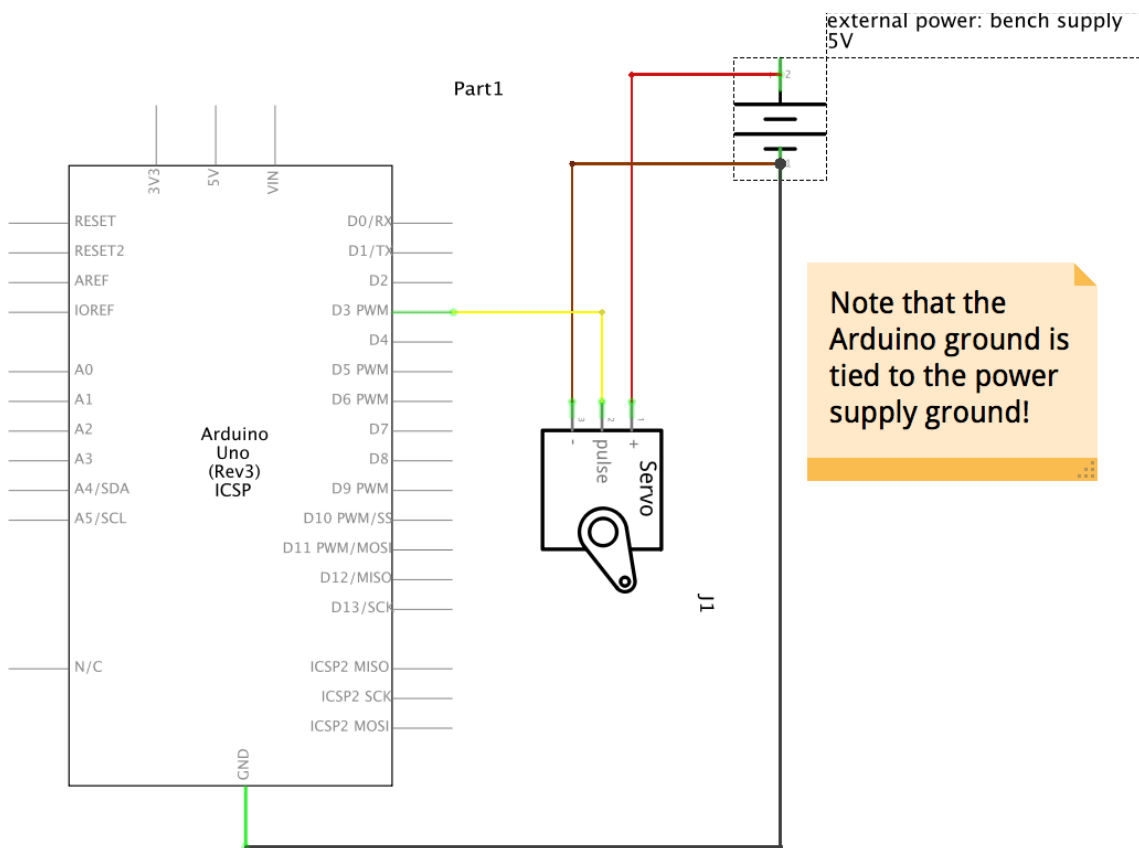


Basic servo use on an Arduino



Servo wires:

red: ~+5V
brown: ground
yellow: digital signal

You *can* use the Arduino 5V supply to run the servo, but it will be slow and might cause the Arduino to “brown out,” i.e. suffer a voltage droop. That’s why it’s good practice to use an external power source like a battery or bench supply.

Sample Arduino sketch to move the servo back and forth between 10° and 270°

```
#include <Servo.h> // this allows you to use the Servo library

Servo myLittleMotor; // you can call the servo whatever you want
int servoPin = 3; // pin the servo data line is plugged into

void setup(){
  myLittleMotor.attach(servoPin); // set up the servo on that data pin
}

void loop(){
  myLittleMotor.write(10); // tell the servo to go to 10°
  delay(500); // wait a half second
  myLittleMotor.write(170); // tell the servo to go to 170°
  delay(800); // 8/10ths of a second
}
```