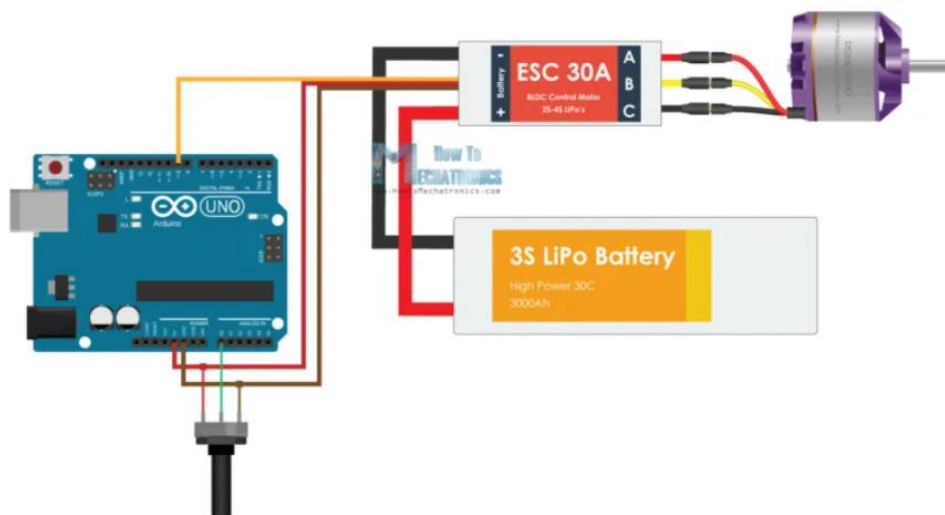


## Another Brushless motor circuit

1- We need :

- Brushless Motor
- ESC 30A
- Li-Po battery
- Arduino Board
- Potentiometer
- Breadboard and Jump Wires

2- connect all componenet together like this :



## 3-Arduino Code for BLDC Motor Control

```
#include <Servo.h>
```

```
Servo ESC; // create servo object to control the ESC
```

```
int potValue; // value from the analog pin
```

```
void setup() {  
  // Attach the ESC on pin 9  
  ESC.attach(9,1000,2000); // (pin, min pulse width, max pulse width  
  in microseconds)  
}
```

```
void loop() {  
    potValue = analogRead(A0); // reads the value of the potentiometer  
    // (value between 0 and 1023)  
    potValue = map(potValue, 0, 1023, 0, 180); // scale it to use it  
    // with the servo library (value between 0 and 180)  
    ESC.write(potValue); // Send the signal to the ESC  
}
```