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 Controlling a servo position using a potentiometer (variable resistor)

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 modified on 8 Nov 2013

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 http://www.arduino.cc/en/Tutorial/Knob

 Modified by Pat McMahon 18/2/2021

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#include <Servo.h>

Servo myservo; // create servo object to control a servo

int potpin = A5; // analog pin used to connect the potentiometer

int val; // variable to read the value from the analog pin

void setup() {

 myservo.attach(5); // attaches the servo on pin 9 to the servo object

}

void loop() {

 val = analogRead(potpin); // reads the value of the potentiometer (value between 0 and 1023)

 val = map(val, 0, 1023, 0, 180); // scale it to use it with the servo (value between 0 and 180)

 myservo.write(val); // sets the servo position according to the scaled value

 delay(15); // waits for the servo to get there

}