

Code... Lights, Servo and Sound Programmed

The image shows a screenshot of a Scratch-like IDE interface for programming an Arduino. On the left, there is a circuit diagram of an Arduino Uno connected to a breadboard. The breadboard contains a servo motor, a NeoPixel LED strip, and a button. The code editor on the right contains the following blocks:

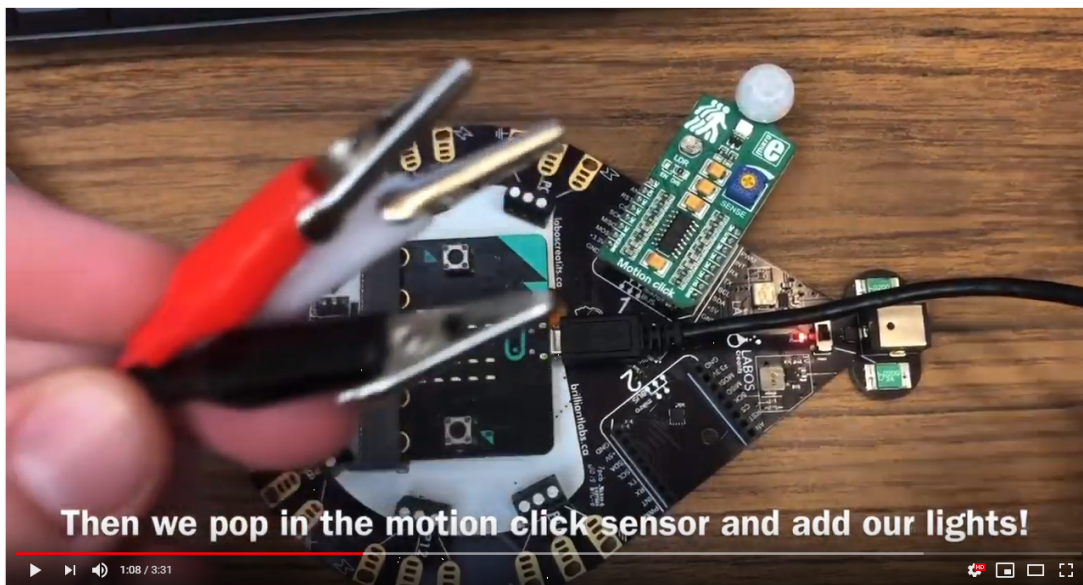
```
on start
  set strip to NeoPixel at pin P16 with 30 leds as RGB (GRB format)
  servo set pulse pin P8 to (µs) 1000

on button A pressed
  start melody wawawawaa repeating once

on button B pressed
  strip show color blue

on button A+B pressed
  servo write pin P1 to 180
  pause (ms) 500
  servo write pin P1 to 0
```

Programming a Sensor...



Then we pop in the motion click sensor and add our lights!

Programming a BBoard
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ANALYTICS EDIT VIDEO

Programming motion sensor with lights using the BBoard... submitted by Gabe and Austin

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