

EL Wire Example Code Handout

```
// Sound Activated EL Wire Costume
// Blink EL Wire to music and other ambient sound.
//JenFoxBot
void setup() {
  Serial.begin(9600);
  // The EL channels are on pins 2 through 9
  // Initialize the pins as outputs
  pinMode(2, OUTPUT); // channel A
  pinMode(3, OUTPUT); // channel B
  pinMode(4, OUTPUT); // channel C
  pinMode(5, OUTPUT); // channel D
  pinMode(6, OUTPUT); // channel E
  pinMode(7, OUTPUT); // channel F
  pinMode(8, OUTPUT); // channel G
  pinMode(9, OUTPUT); // channel H
  //Initialize input pins on EL Sequencer
  pinMode(A2, INPUT);
}
void loop() {
  int amp = digitalRead(A2);

  //If Gate output detects sound, turn EL Wire on
  if(amp == HIGH){
    digitalWrite(2, HIGH); //turn EL channel on
    digitalWrite(3, HIGH);
    digitalWrite(4, HIGH);

    delay(100);
  }

  digitalWrite(2, LOW); //turn EL channel off
  digitalWrite(3, LOW);
  digitalWrite(4, LOW);
}
```