

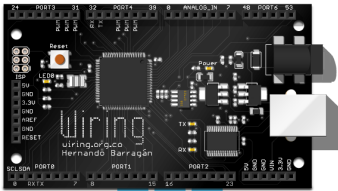
# Wiring™

Since 2003

Board

Language

Editor



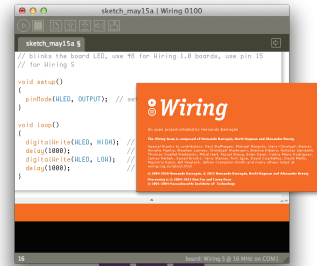
Launchpad Wiring Arduino



LeafLabs Maple, Makey Makey, Lilypad, Sparkfun Protonap, Teensy, Seediuno, Sanguino, Rainbowduino, and many more...

```
void setup()
{
  pinMode(WLED, OUTPUT);
}

void loop()
{
  digitalWrite(WLED, HIGH);
  delay(1000);
  digitalWrite(WLED, LOW);
  delay(1000);
}
```



Arduino Wiring Energia



LeafLabs Maple IDE, ChipKit IDE, Liquidware Antipasto, WiringPI and many more...

Coming  
Soon

# Wiring++™

## Events

```
void events(){  
  when(button.PRESSED){  
    led.toggle();  
  }  
}
```



Program electronics that respond *when* things happen in your environment.

## Threading

```
void threads(){  
  thread(ECHO){  
    while(1){  
      if (Serial.available() > 0) {  
        Serial.write(Serial.read());  
      }  
      delay(100);  
    }  
  }  
}
```



Organize your code in *threads* to easily do more than just one thing at a time.

## Pins as Objects

```
GpioPin led = PIN13;  
led.pinMode(OUTPUT);  
led.digitalWrite(HIGH);
```



Make your code more readable by *clarifying* each pin's functionality.

```
PwmPin fan = PIN12;  
fan.pinMode(OUTPUT).analogWrite(50);
```

Chain method calls together for shorter code.

## Dual C & C++ APIs

```
PIN13.digitalWrite(HIGH);
```



Use the C++ API to explore *object oriented* programming.

```
digitalWrite(13, HIGH);
```

The C API provides backwards compatibility with Wiring 1.0