

# Introduction

---

Connect Node.js to an Arduino Sketch using the serial port.

# Installation

---

```
$ npm install serialport
```

# Usage

---

```
/**
 * Setup the serial port
 */
var SerialPort = require('serialport').SerialPort,
    port        = new SerialPort('/dev/cu.usbmodem1421');

/**
 * Wait for connection
 */
port.on('open', function() {

    /**
     * The Sketch will send data when it's ready to receive
     the control bit
     */
    port.on('data', function() {
        port.write(String.fromCharCode(63));    // neutral y
aw
        port.write(String.fromCharCode(63));    // neutral p
itch
        port.write(String.fromCharCode(127));   // full thro
ttle
        port.write(String.fromCharCode(63));    // neutral t
rim
    });
});
```

## Linux

Run [these](#) commands.

Furthermore, an additional step is required:

**Create local symlink to** `libudev.so.1`

On Ubuntu, run from the directory where the nw files are extracted:

```
$ ln -s /lib/x86_64-linux-gnu/libudev.so.1 ./libudev.so.0
```

Then create an executable shell script to run nw:

```
#!/bin/sh
LD_LIBRARY_PATH=/home/omi/nw:$LD_LIBRARY_PATH ./nw $*
```