Grove - Vibration Motor

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Introduction

This is a mini vibration motor suitable as a non-audible indicator. When the input is HIGH, the motor vibrates just like when your cell phone is on silent mode.

**Model:**[**ROB51043P**](http://www.seeedstudio.com/depot/grove-vibrator-p-839.html?cPath=170_171)

[](http://www.seeedstudio.com/wiki/File:Gvib.jpg)

Features

* Grove compatiable
* Non-audible
* Low power consumption
* High reliability

Specification

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Min** | **Typ** | **Max** |
| **Operate Voltage** | 3.0V | 5.0V | 5.5V |
| **Control Mode** | **Logic Level**  (When Logic HIGH, the motor is ON. When LOW, the motor is OFF.) | | |
| **Rated speed** | 9000 rpm | | |

Usage

To make it vibrate is just as easy as to turn on a LED. Here is an example showing how to turn on the vibration motor.

1. Plug it onto the Digital port 9 of Grove - Base Shield using a Grove cable.  
2. Plug the Grove - Basse Shield onto Arduino.  
(图片)   
3. Connect Arduino to PC by using a USB cable.  
4. Copy and paste code below to a new Arduino sketch, and upload it to your Arduino. Please click [here](http://www.seeedstudio.com/wiki/Upload_Code) if you do not know how to upload.  
Demo code like :

int MoPin = 9; // vibrator Grove connected to digital pin 9

void setup() {

pinMode( MoPin, OUTPUT );

}

void loop() {

digitalWrite(MoPin, HIGH);

delay(1000);

digitalWrite(MoPin, LOW);

delay(1000);

}

}

Now, feel the vibration of your motor!

Version Tracker

|  |  |  |
| --- | --- | --- |
| **Revision** | **Descriptions** | **Release** |
| v0.9b | Initial public release | May 10, 2011 |
| v1.0 | Formal mass production version | Nov 5, 2011 |

Resources

[Grove - Vibration Motor Eagle File](http://www.seeedstudio.com/wiki/File:Grove_-_Vibration_Motor_Eagle_Files.zip)