

Geek 101 : Introduction to Geekiness

Learn about everything you need to know to become a geek. This is a tutorial for the Geek 101 series.

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Saturday, June 20, 2014

Advanced u-blox Neo-6M GPS Module

UPDATES: I made another tutorial on this module which addresses the problem that you might encounter after trying and the first tutorial. I hope this helps you to get the module working. I will be updating the tutorial as I learn more about the module in terms of hardware and software. We can also get some other information like the module's speed, time and so on.



This is a product that I bought from [Geek Electronics](#). You may view the product page [here](#).

Introduction

GPS module for Global Positioning System. It's a small, single, and compact navigation module. Learning how to use it can help you to find out how to use it for your first project. It is a very easy to understand about the module's most features in terms of hardware and software. We can also get some other information like the module's speed, time and so on.

The module can be used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module.

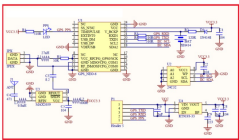
There are also some other features like the module's speed, time and so on. It can be used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module.

What you need

1. u-blox Neo-6M GPS Module
2. Arduino Board (or using Arduino Uno for this one)
3. Jumper wires
4. Breadboard
5. USB Cable

Connections

This module is operating at 3.3V but if you refer to the datasheet provided (below), you may notice that there already a voltage regulator to convert to 3.3V and there's also a resistor connected to both GND and TX pins, so there's no worry in connecting this module directly to the Arduino.

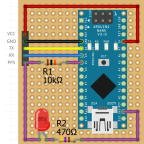


The required connections:



Above: Required connection. RX pin is optional. GND and TX pins on the Arduino may change according to your preference.

Below: Connection that is possible to be made on the module.



What is the purpose of RX pin?

The RX pin is connected to a digital pin on the Arduino. It is used to send data to the Arduino. It is used to send data to the Arduino. It is used to send data to the Arduino.

Below: For better reference to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module.

You may also connect this pin to an external GND to make the module. It can be used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module.

The following code can be used to test and the input from the RX pin according to the picture above.

```
int RX_PIN = 2; // RX pin
int TX_PIN = 3; // TX pin
int GND_PIN = 4; // GND pin
int VCC_PIN = 5; // VCC pin

void setup() {
  pinMode(RX_PIN, INPUT);
  pinMode(TX_PIN, OUTPUT);
  pinMode(GND_PIN, OUTPUT);
  pinMode(VCC_PIN, OUTPUT);
}

void loop() {
  int RX_DATA = digitalRead(RX_PIN);
  long RX_DATA_TIME = millis();

  if (RX_DATA == 1) {
    Serial.println("RX Data: 1");
    digitalWrite(TX_PIN, HIGH);
    delay(1000);
    digitalWrite(TX_PIN, LOW);
  } else {
    Serial.println("RX Data: 0");
    digitalWrite(TX_PIN, LOW);
  }
}
```

Code (Getting up the module and getting the raw data using library)

You should take a look at the tutorial that is attached on the product page first. The following code is derived from the tutorial.

In the following code, I'm changing the setting from the default baud rate (9600) to 115200 as it is a test for the Arduino Uno to work on the using pin 2 and 3 for TX and RX connections. The module can be used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module.

*NOTE: This library is using [SoftwareSerial](#), so you need to install it in the main sketch. The limitation of [SoftwareSerial](#) also applies here.

Download "Ublox_N" library here.

```
#include <Arduino.h>
#include <SoftwareSerial.h>
#include <Ublox_N.h>

Ublox_N ublox;

void setup() {
  Serial.begin(115200);
  Serial.println("Ublox_N Library v1.0");
  ublox.begin(115200);
}

void loop() {
  if (ublox.isReady()) {
    Serial.println("Ublox_N is ready");
  }
}
```

About the Library

Ublox_N is a library for the u-blox Neo-6M GPS module. It is used to get the position of the module. It can be used to get the position of the module. It can be used to get the position of the module.

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The image is a screenshot of a Twitter thread. At the top, there's a search bar with "1 comments" and a "Google" button. The thread starts with a tweet from @AmosStallin (1 month ago) asking for help finding a missing person. The tweet text is: "How can we search for missing? Because I have all the social media, and now I don't know." Below this, there's a reply from @AmosStallin (1 month ago) stating: "How can we search for missing? Because I have all the social media, and now I don't know." This is followed by another reply from @AmosStallin (1 month ago) stating: "How can we search for missing? Because I have all the social media, and now I don't know." The thread continues with a reply from @AmosStallin (1 month ago) stating: "How can we search for missing? Because I have all the social media, and now I don't know." The thread ends with a reply from @AmosStallin (1 month ago) stating: "How can we search for missing? Because I have all the social media, and now I don't know."