

# Using Zubax GNSS with GIS software

Since Zubax GNSS 2 supports the standard NMEA protocol, it can be used with virtually any software designed to work with generic GNSS receivers.

This tutorial demonstrates how to use Zubax GNSS 2 with GIS software using QGIS as an example. QGIS is a free and open source cross-platform geographic information system suite that works on Windows, Linux, and Mac (learn more at <http://qgis.org>). Explanations provided in this tutorial are also applicable to other GIS software products.

## Installing QGIS

QGIS installation files for Windows, Mac, and Linux can be freely downloaded from <http://www.qgis.org/en/site/forusers/download.html>.

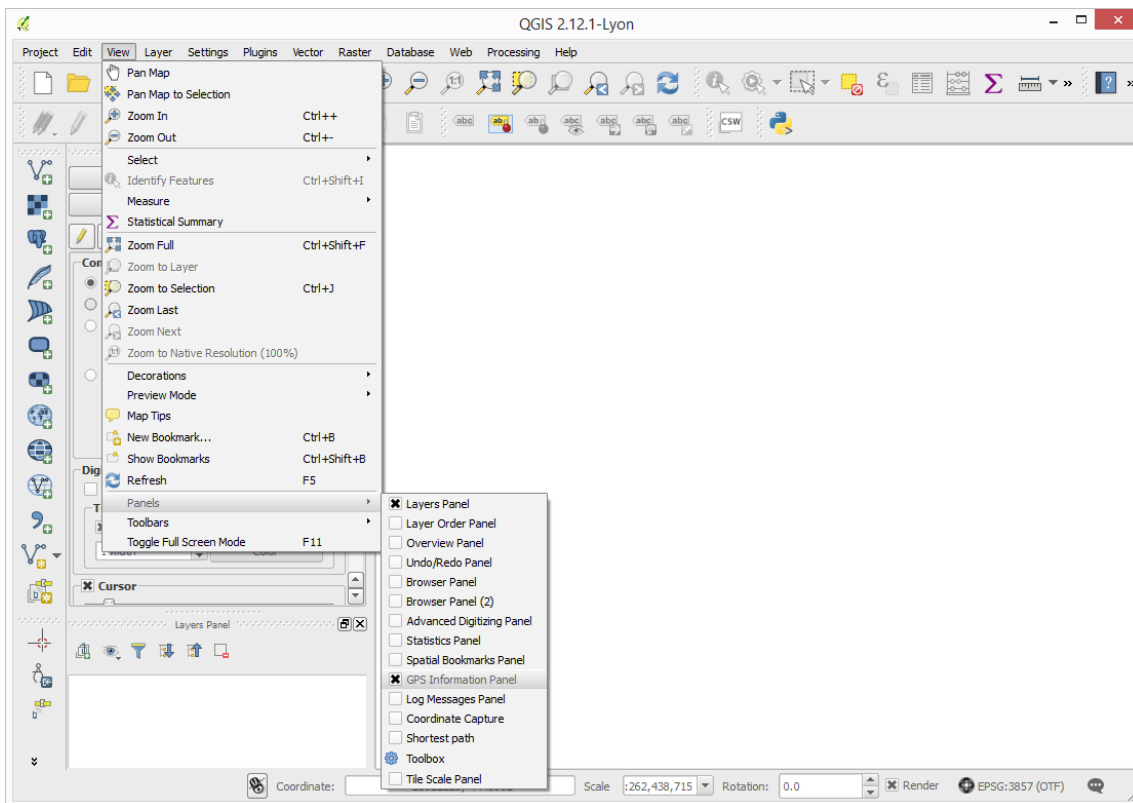
On some Linux distributions it is also possible to install QGIS from package repositories, e.g. on Ubuntu: `sudo apt-get install qgis`.

Once QGIS is installed, launch it, and connect Zubax GNSS 2 to the computer via USB.



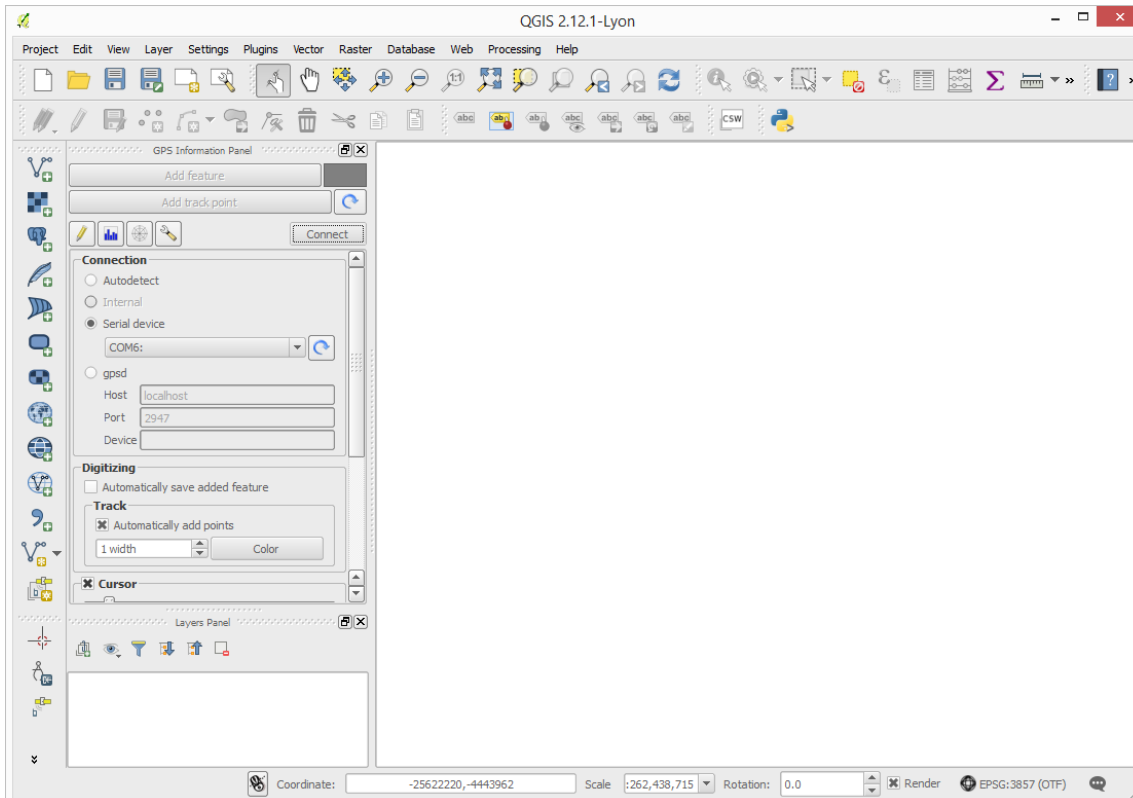
## Configuring QGIS

In order to make QGIS receive measurements from your Zubax GNSS 2 in real time, enable the GNSS information panel by clicking **View** → **Panel** → **GPS Information Panel**.



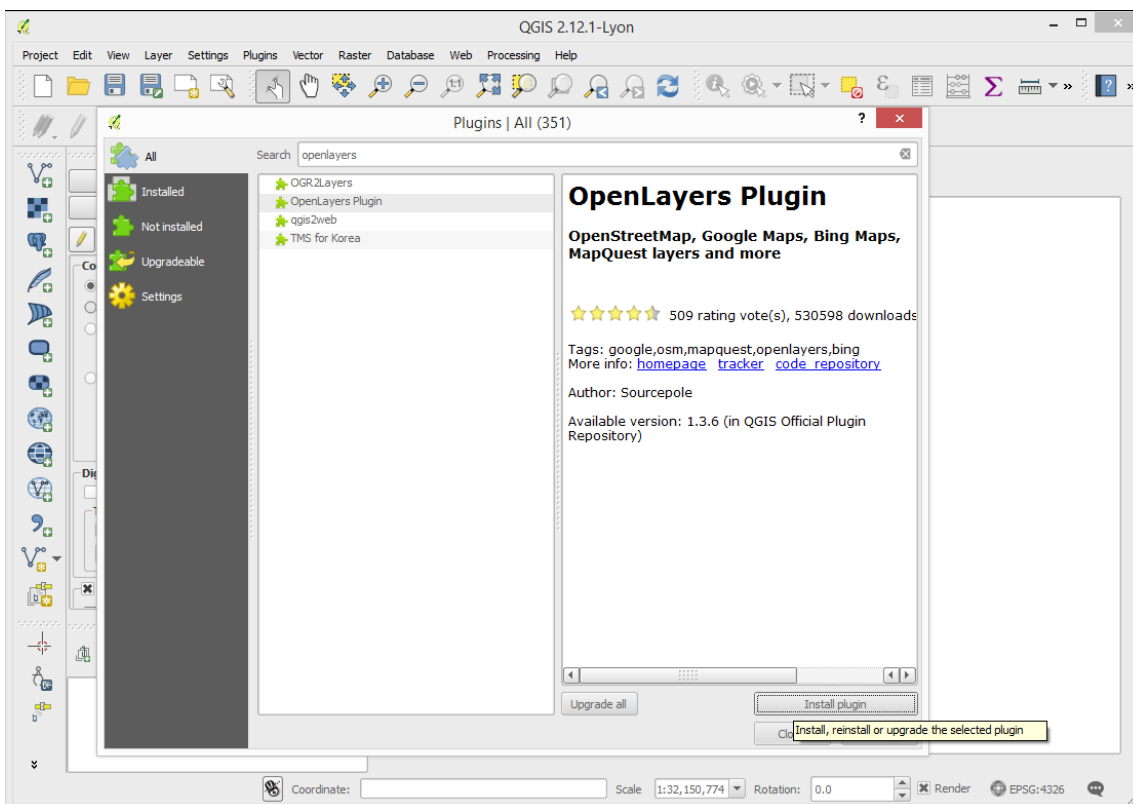
A panel will appear like shown on the screenshot below. On the panel:

- Select Serial device
- Select the correct serial port in the dropdown list.
- Press Connect.

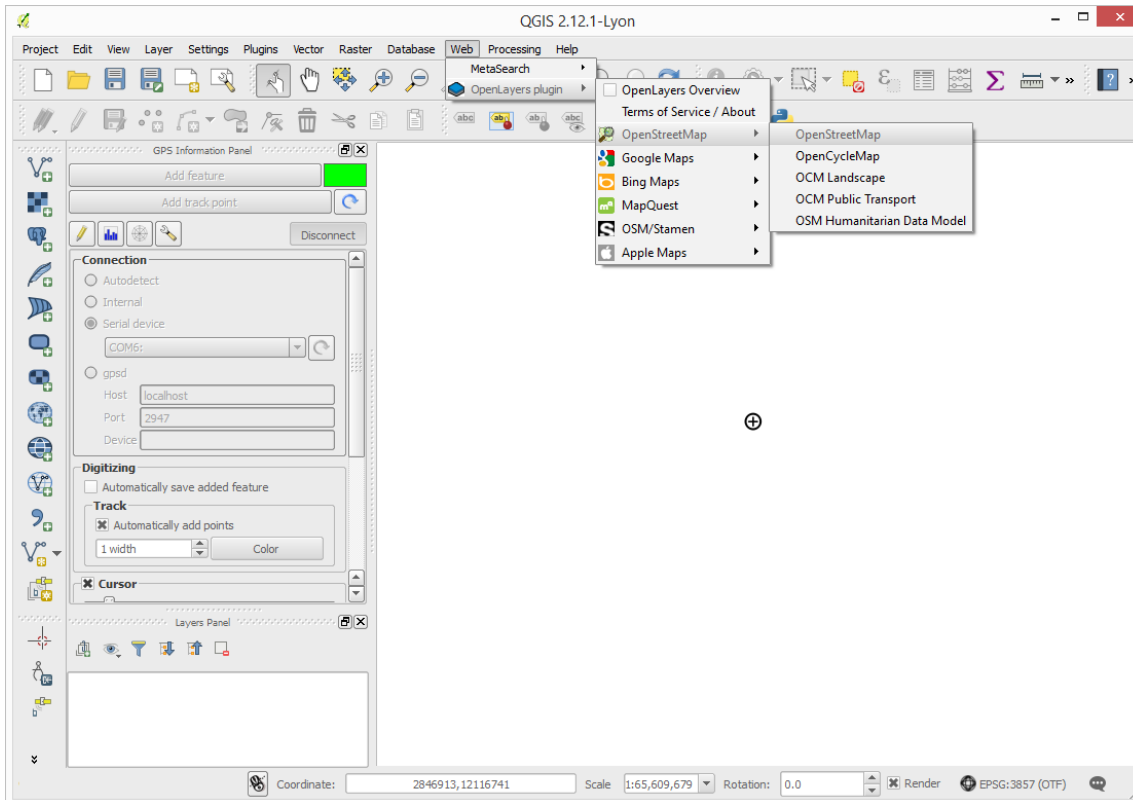


Now the software is connected and receiving measurements from Zubax GNSS 2. The current position will be indicated with a cross. However, right now it's not of much use, so in the steps below we'll add a map.

Click **Plugins Manage** and **Install Plugins...** A window like shown below will appear. In the window, find the plugin **OpenLayers Plugin** using the search bar, select it, and press **install plugin**.



Having installed the plugin, click **Web OpenLayers plugin OpenStreetMap OpenStreetMap**.



The result is shown on the screenshot below.

