

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>.

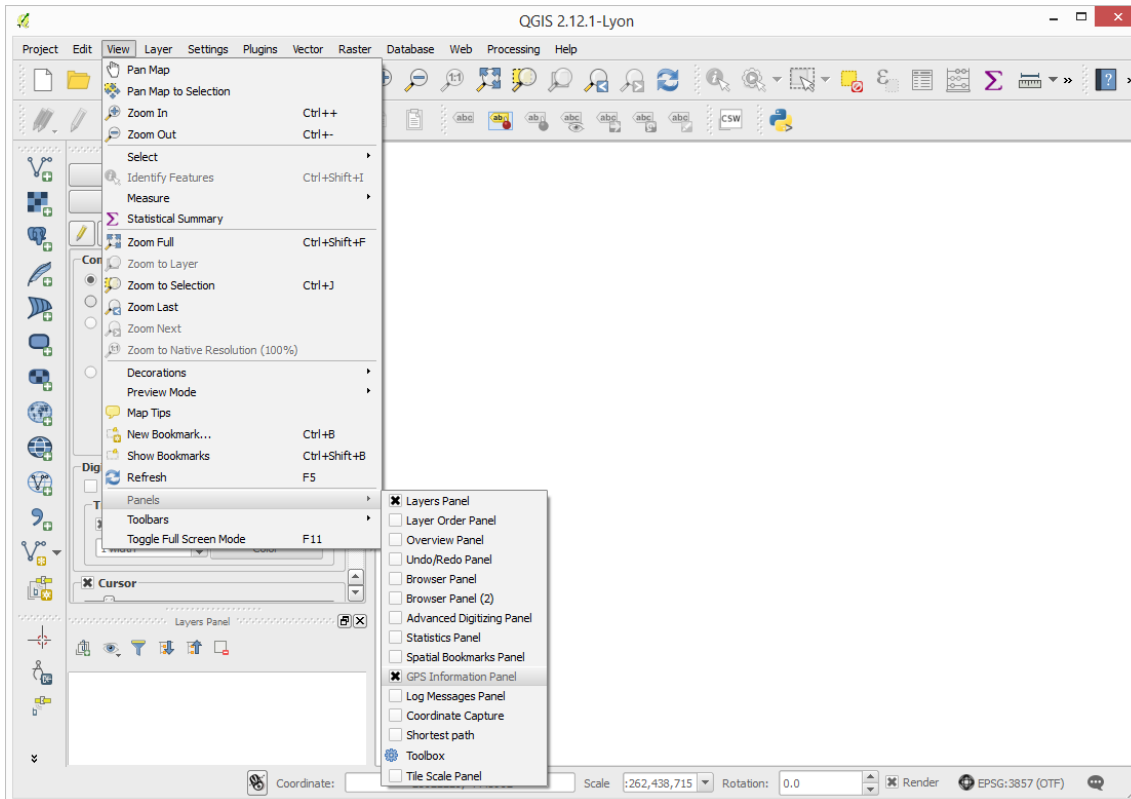
On some Linux distributions it is also possible to install QGIS from package repositories, e.g. on Ubuntu: `sudo apt-get install qgis`.

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



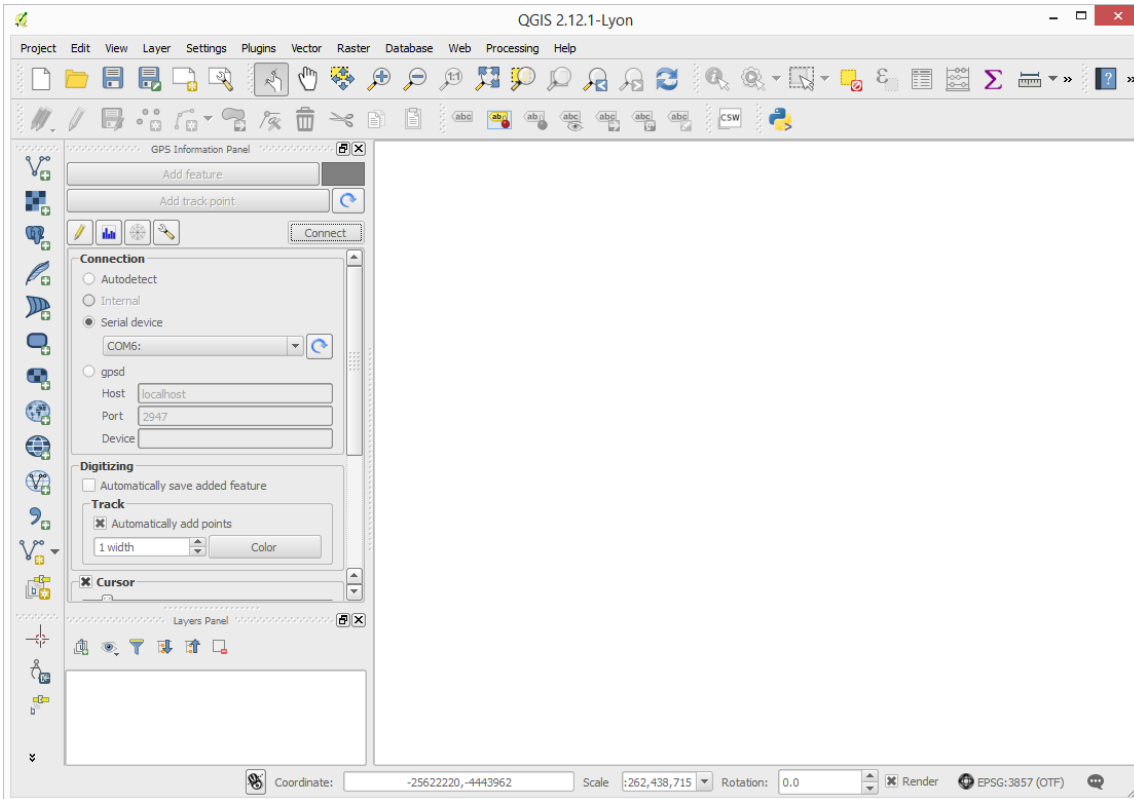
Configuring QGIS

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



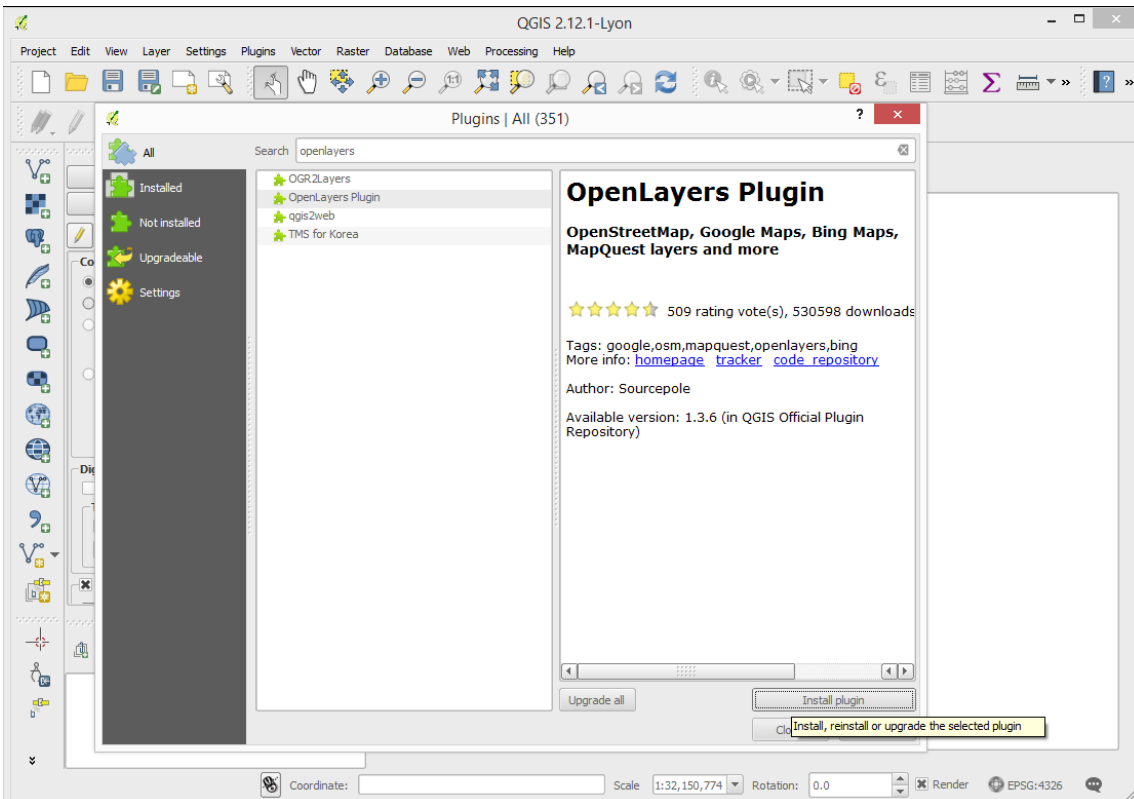
A panel will appear like shown on the screenshot below. On the panel:

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

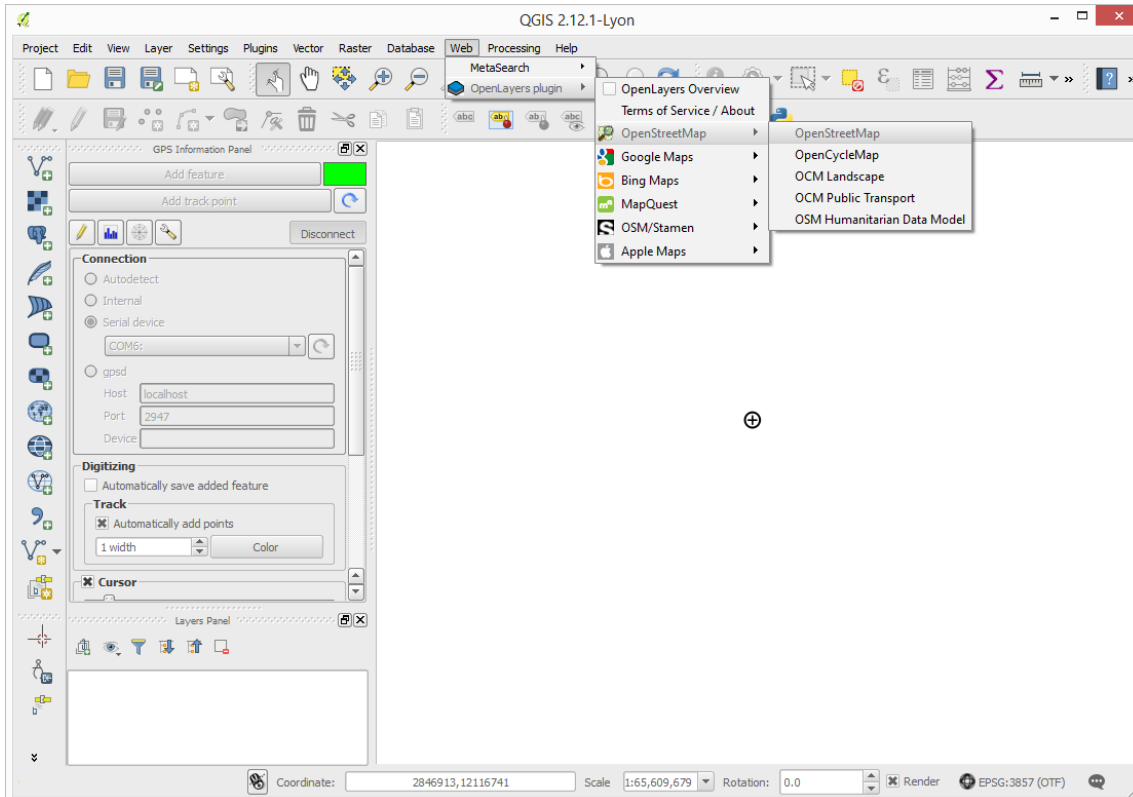


Now the software is connected and receiving measurements from Zubax GNSS 2. The current position will be indicated with a cross. However, right now it's not of much use, so in the steps below we'll add a map.

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.

