LearnOSM

OruxMaps
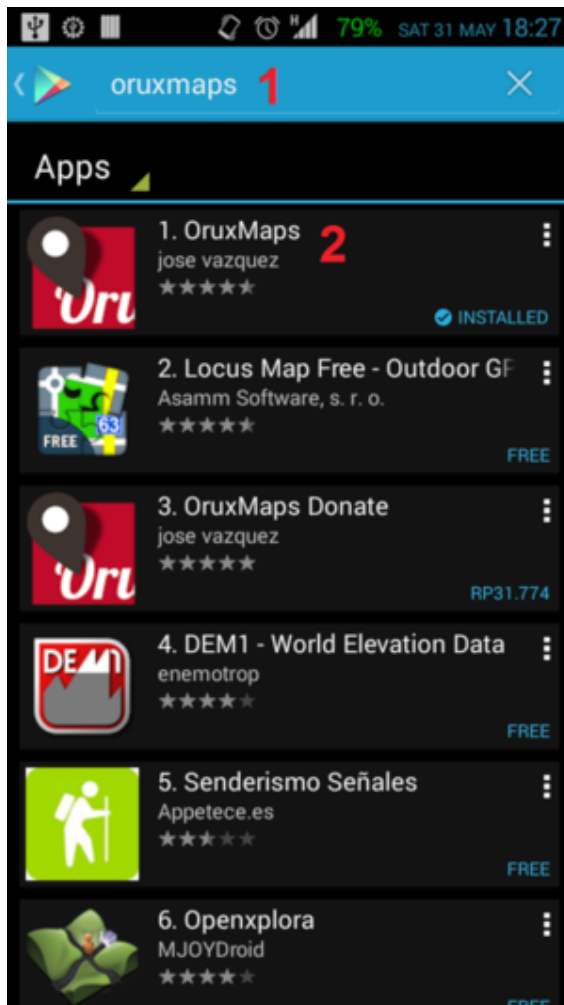
This guide may be downloaded as OruxMaps_en.odt or OruxMaps_en.pdf
Reviewed 2016-08-04 and although slightly out of date is still functional & contains a link to the sites own software manual.
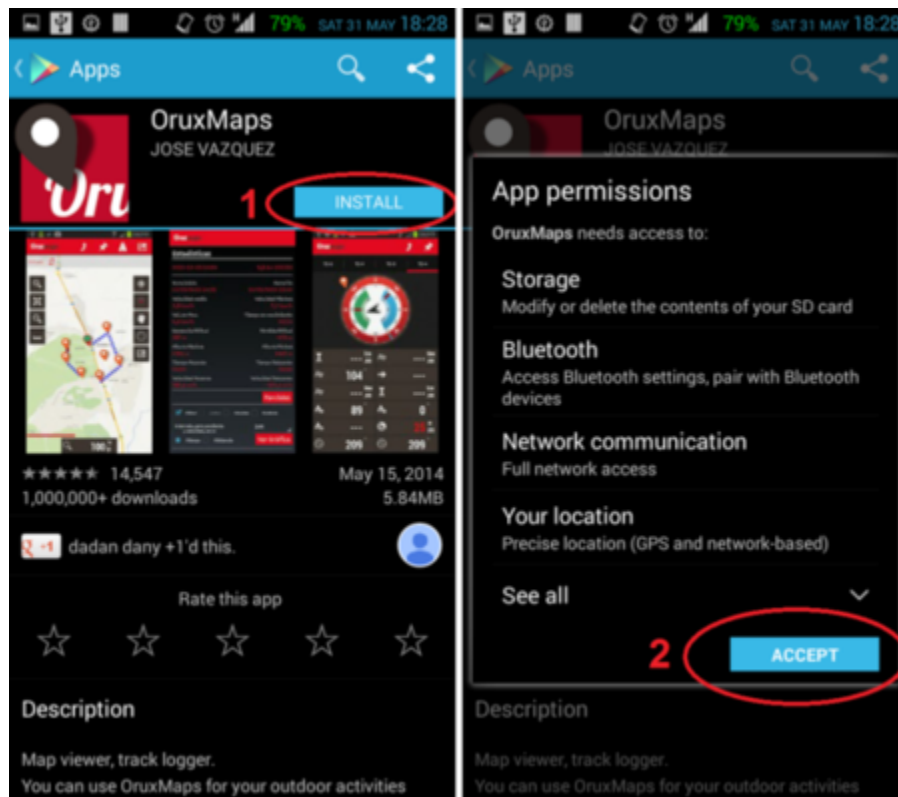
In this section, we will learn how to set up OruxMaps, how to create waypoints, how to see a tracklog, and how to export a tracklog for use in JOSM.

Install OruxMaps

Install the app from Google Play Store by searching for **OruxMaps**, OruxMaps should be among the top search results listed.
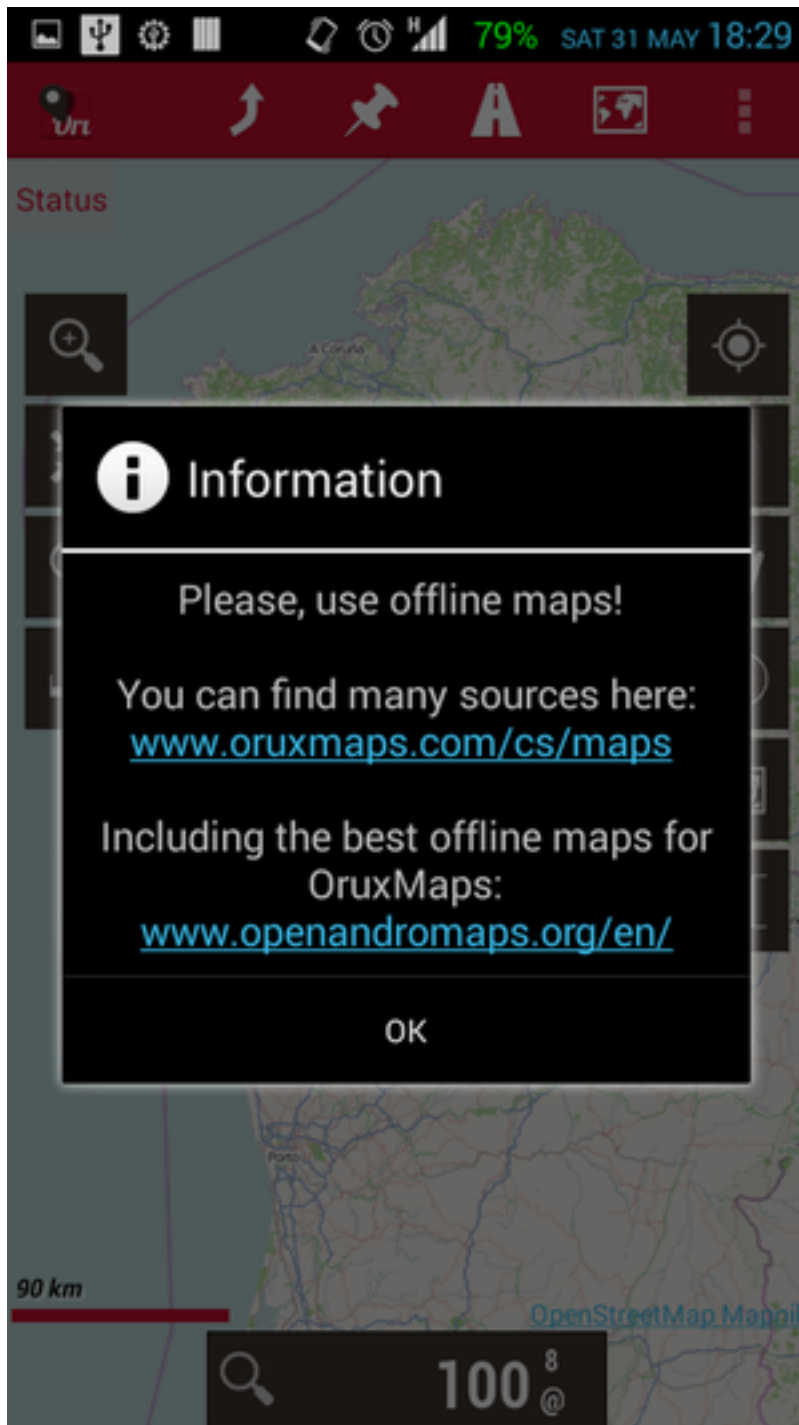
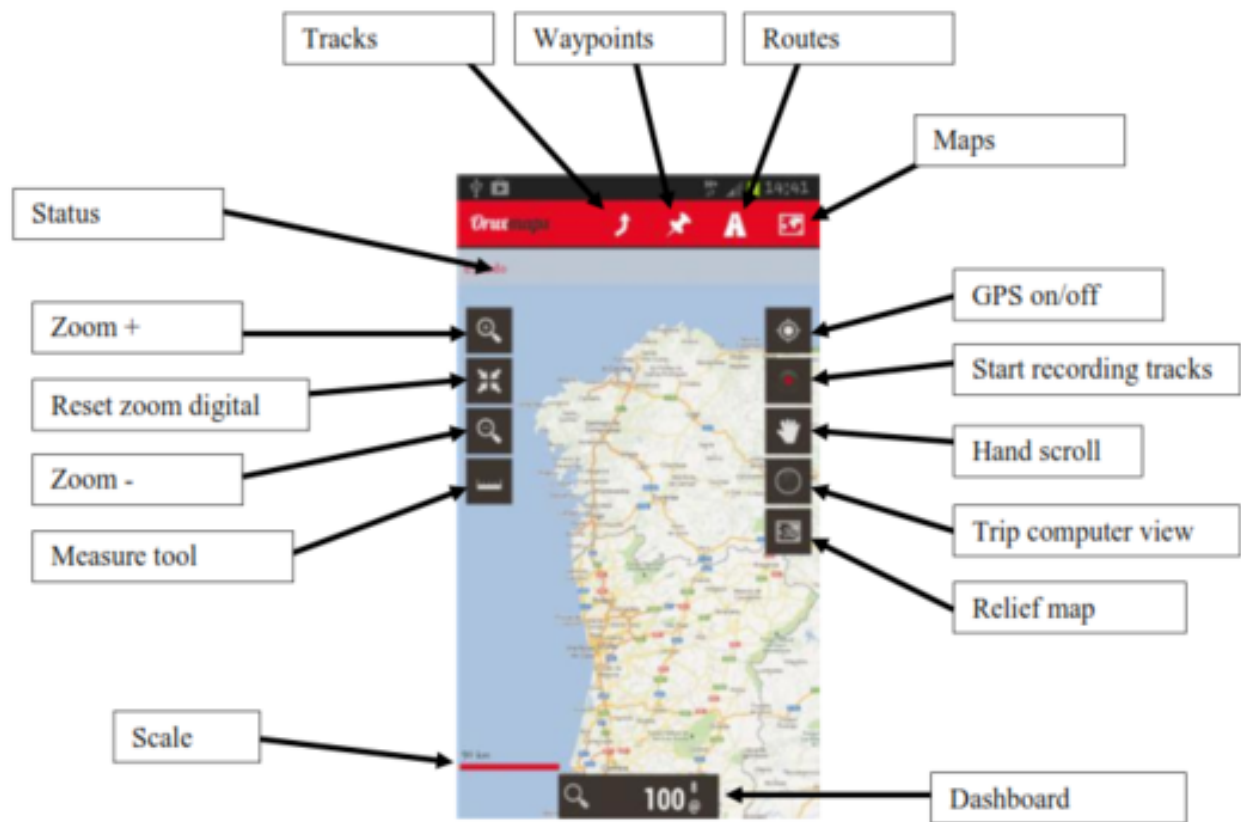Click on **Install** button and press Accept after App permissions appears.

Congratulations! You now have OruxMaps installed in your device!

Using OruxMaps

The first time you run the application, you will see a notification like this:
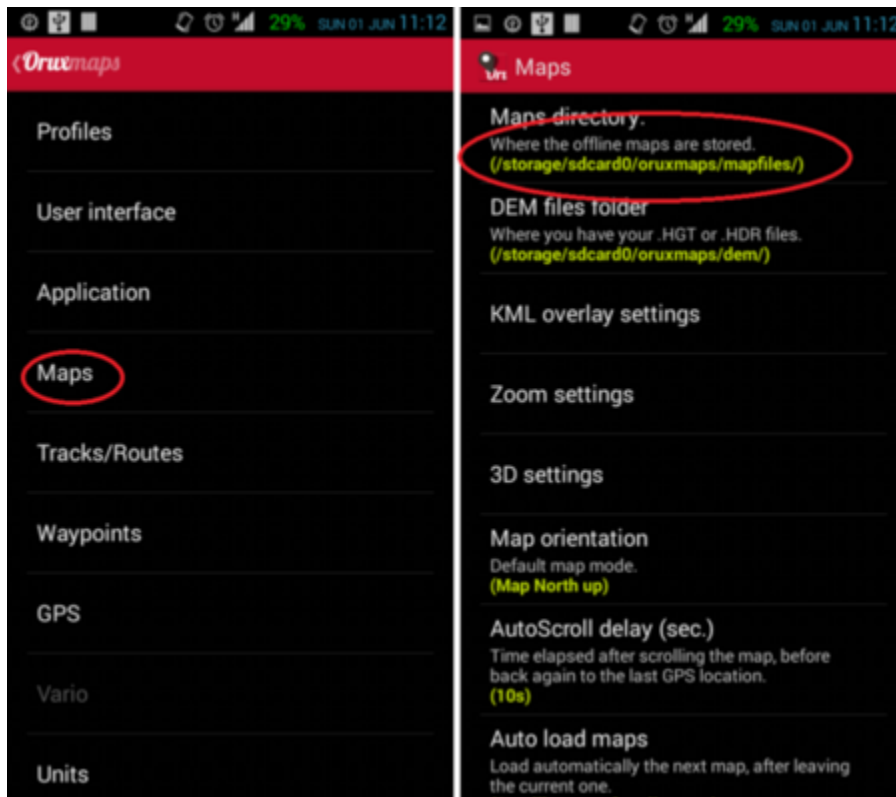
In OruxMaps, you can choose whether you want to use online maps or offline maps. It's better to use offline maps since you can use it even without an Internet connection. OruxMaps will suggest two sources for downloading offline maps. If you already have your offline maps, you can also put in here too! At first it can be a little bit confusing because there are so many buttons in there. But don't worry, you will see the explanation for each buttons below:
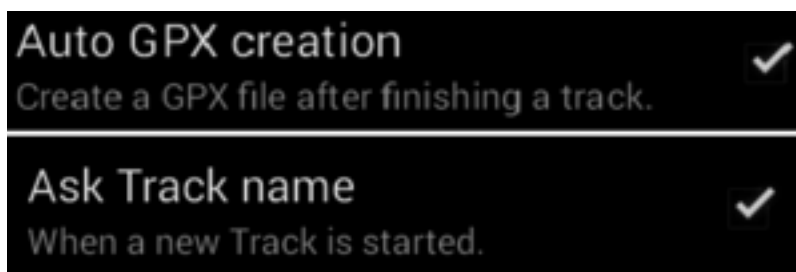
Source: OruxMaps Manual English Version
This manual may be more up to date than this guide, and may be available in other languages.

You can change your background map under **Maps > Switch Maps**. After that you get to options - you want to use your **Online Map** or you want to use **Offline Maps**. OruxMaps provide a lot of Online Maps source that can you choose but of course it will cost money from the data plan on your device. If you want to know where you can put your offline maps, you can go to **Setting >Maps**. In the map directory option you can see where the OruxMaps put your offline maps. By the default, it's in **OruxMaps/Mapfiles** folder in your internal storage.

Start Tracking

Before you start tracking let's review some settings under track/routes setting. The first setting is **Auto GPX Creation**. If you check this setting, OruxMap will help you to create .gpx file immediately after finishing a track (using Stop Tracking feature). So, after finishing a track, you can go to **OruxMaps/Tracklogs** in your internal storage to get your .gpx files without needing to export your track log first in track/routes management. The second setting is **Ask Track Name**. It's very useful to define your track name before you start tracking so that you exactly know the specific name of your tracks.
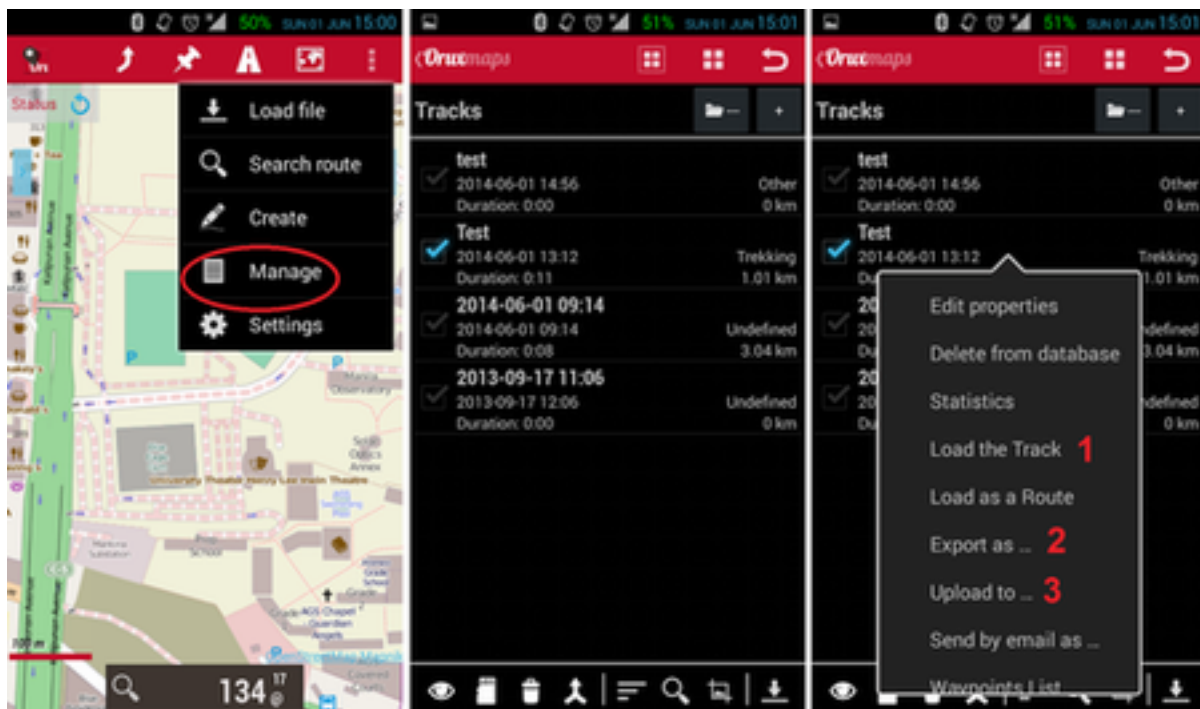

To start tracking, one thing to remember is that we must set GPS Features in your device on. Any features in OruxMaps like **Start GPS** and **Start Rec** will not start unless you activate the GPS Features. OruxMaps will show notification if your GPS still disabled, and after that you will directly go to **Location Setting** in your device. After you turn on Location feature in your

device, you can know your location by using **Start GPS** (1) feature in the right panel. After your location is already acquired, you can start Tracking by using **Start Rec.** (2) in the right Panel.
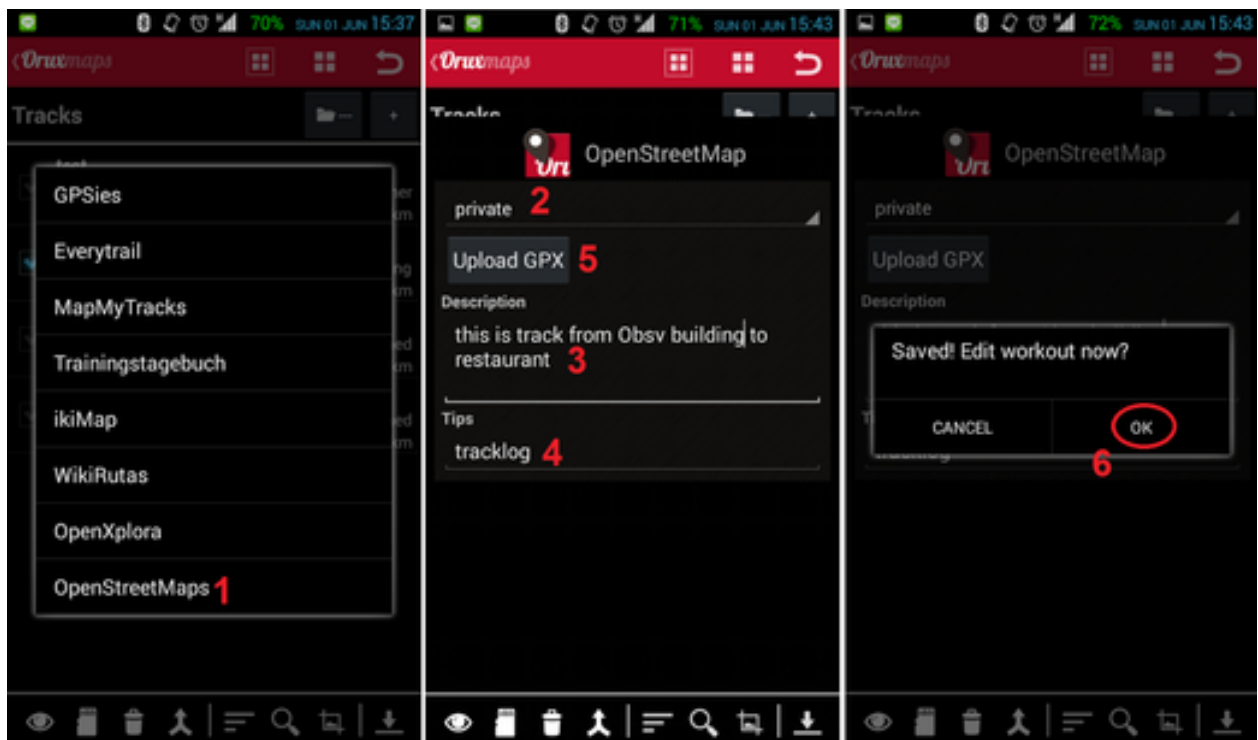

To stop tracking you only need to press the same button (2) in the right panel. After you stop tracking OruxMap will store your tracklog in an internal database. You can access the tracklog by accessing **Routes** panel in top page, select **Manage**.You will find all of your tracklog here and you can see the route by press the tracklog that you want to see and select **Load the Track** (1). If you don't use Auto GPX creation feature you can export your tracklog in various format (GPX, KML, KMZ) by select your tracklog and **Export as** (2).
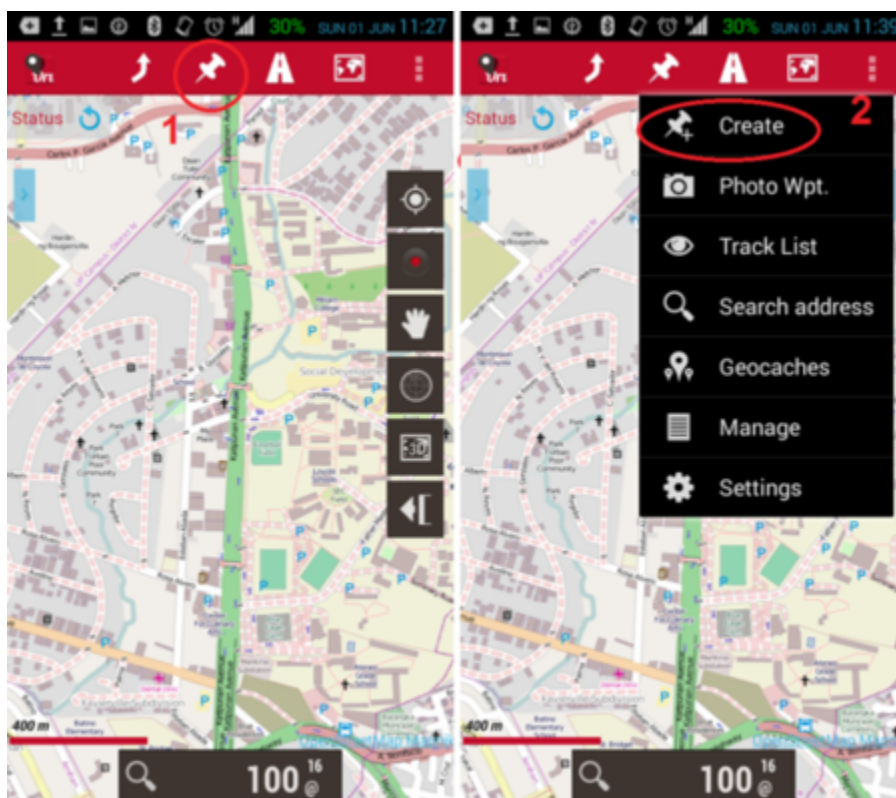
If you already have an OpenStreetMap account, you can upload your track directly using OruxMaps. Before you upload your tracklog you need to put your username and password by going to **Setting > Integration > OpenStreetMap**. After that enter your username and password. You can upload your tracklog by using **Upload to (3)** in track/routes management.
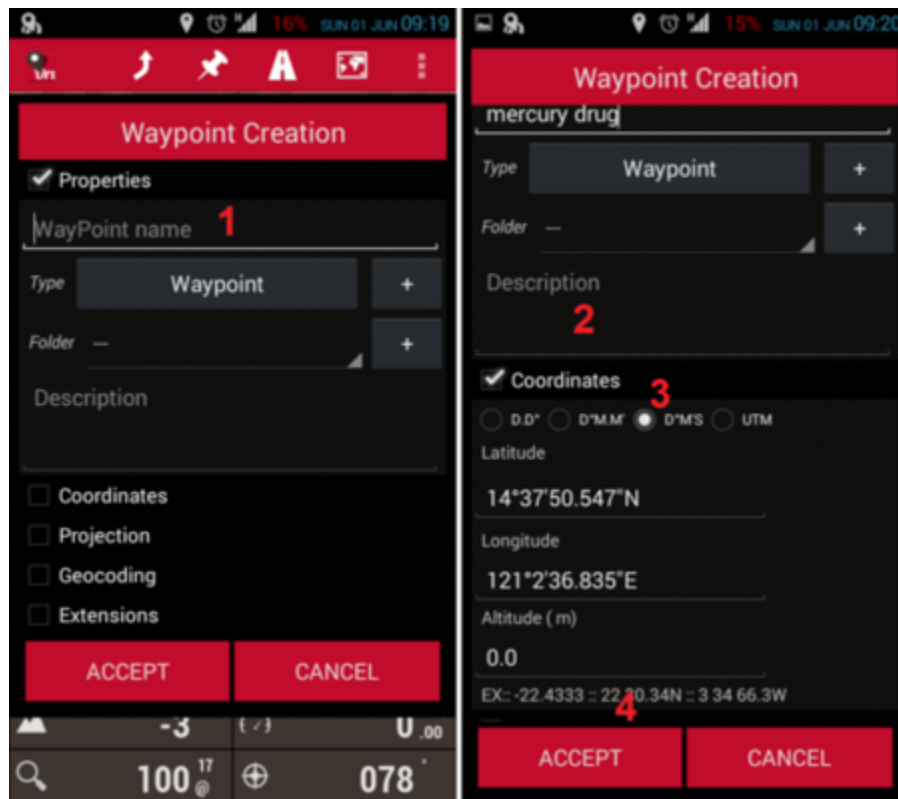
Some windows will pop up and you need to select **OpenStreetMaps** (1) and after that you choose your **Tracklog type** (2), put your **Description** (3) and also the **Tag** (4). After all the information already filled up press **Upload GPX** (5). The notification will pop up and you can directly see your GPS traces on the OpenStreetMap website by selecting **OK** (6).
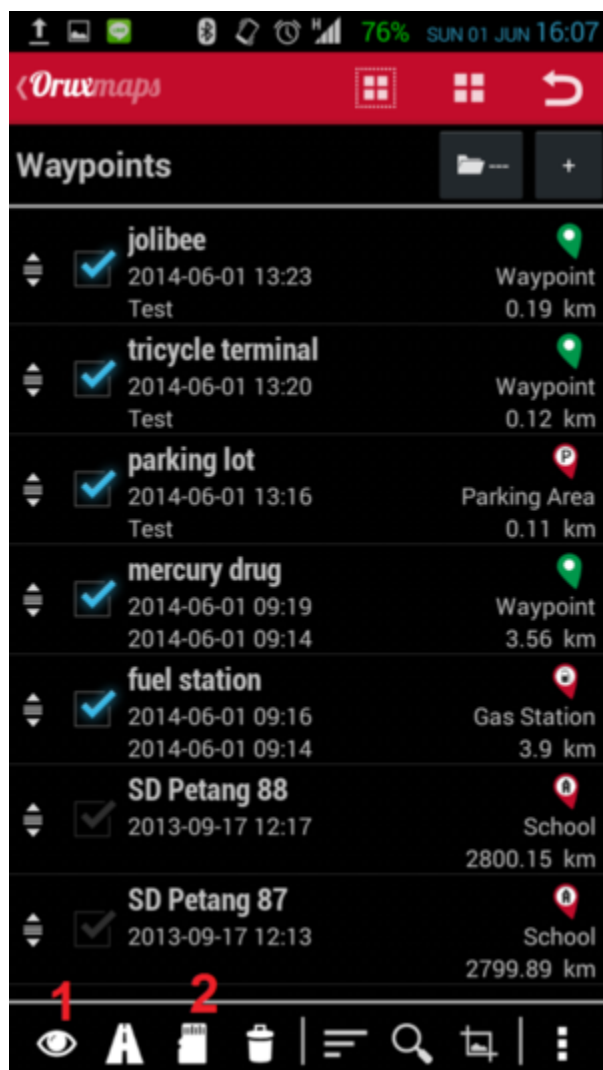
Adding Waypoint

If you want to add waypoint, you need to go to **Waypoint** symbol (1) at the top of the page and go to **Create** (2). It will bring you to waypoint creation page and fill your waypoint name. You can add extra information, for example a description of your waypoint and coordinates of your waypoint by checking the Coordinates checklist. Press Accept to save your waypoint.

If you want to see all of your waypoints, you can go to **Waypoint >Manage**. From this page you can change the properties, delete and export the waypoint. To see all of your waypoints in **map**, select the waypoints and go to show in map (1) and if you want to export your waypoints press **Export** (2). All of your exported waypoints will be stored in internal storage (by the default it stored in **oruxmaps/geocaches**).

Summary

Congratulations! You already know how to use OruxMaps for field surveys. It may be hard on your first time but if you continue using this you will be familiar with this application.

Was this chapter helpful? Let us know and help us improve the guides!

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- @learnOSM
- Hosted on Github

Official HOT OSM learning materials

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Team