osmand
Navigation & routing based on Open Street Maps for Android devices

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Introduction

This articles helps you to understand how to use the application, and gives you idea's about how the functionality could

How To

How To First steps

First you can think about which features are most usable and suitable for you. You can use Osmand online and displaying a lot of online maps, pre-downloaded very compact so-called OpenStreetMap "vector" map-files. You find adresses, places of interest (POI) and favorites, you can find routes to navigate with car, bike and by foot, replay and follow selfcreated or downloaded GPX tracks by foot and bike. You can find Public Transport stops, shortest public transport routes!. You can use very expanded filter options to show and find POI's. You can shar with friends by mail or SMS text-messages. You can navigate by voice (and someone even created an app to cr navigation voice files (Search Osmand Voice on the Market)

If you are interested only in online features (loading map only you see, searching adresses, routing), you do not nee Some map features will be available for you such as auto-zoom, rotating map, choose map source, find adresses, and foot, and many other features. Some features will be not available, like seeing poi over maps, seeing preloade for transport and others. If you are interested in these features, please read How to download data. You can down the app from internet tile sources as Google, OSM, Bing, Bicycle maps, you can download very compact OSM vec the app (very handsome when you have a WIFI connection available). You even can create your own map files with OsmAndMapCreator. Please make sure that SD card is available for app because all map tiles will be saved on sd

How To Understand vector and raster maps

Actually there are two kinds of map data, Tile maps and Vector maps. Raster maps are like pictures, they are c or rendered on a server and then downloaded as tiles (squares of 256x256 pixels) to your device. If you zoom i see the different pixels. OSM maps on the web are most of the time shown to you raster maps.

Vector Maps are different. If you see a line only the coordinates of the line are stored in a database, and how thick it n color. Then on your device all objects are "painted" or "rendered" on the fly, you can see the objects being drawn. Osm few Android applications that supports vector maps. The Unique Selling Points of vetcor maps is that they are very cor rendering-templates on the same data like day or night maps, while storing the maps data once in some kind of databa zoom in and see a lot of detail without storing gigabytes of map tiles on your phone or Android device. That is why you quick and use them offline, e.g. on holidays.

How To Download data

There are several ways to pre-download your maps. It depends on the type of map you want, Raster maps or ' which both can be acquired by using the app or by using a desktop computer:

1. Tiles, which are actually images or bitmaps that you can predownload in batch from an internet source like Google M Tile maps are very handsome for "overview maps", but use enormous lot of space on your SD card if you also want to detailed zoom levels (> 14). There are two ways to predownload them:

1a. From within the OsmAnd app on your device. Choose the map you want from the list(Menu -> Layers -> Map Sour interest and long-click on the map. You see a box on Map. Click on it and a context menu appears. Scroll down to Map zoomlevels you want with the slider. The higher the zoomlevel, the more detail is available, but the more space it requir about an estimation of the download size. Finally click download. Very handsome when you need a fast and relative sm WIFI connection e.g. in the hotel or at home before you leave. All separate small tiles are downloaded in the Tiles\Sour OsmAnd on your device and take a lot of allocated space! Be careful with very big area's. Some commercial map prov your account if you download too much tiles in burst mode (Think about > 100MB).

1b. From within OsmAndMapCreator. You are able to predownload them on your computer, and create one sqlite data the size of the allocated space on your SD card with up to 50% and makes OsmAnd faster. Put these .sqlitedb file dire

2. You can download pre-fabricated or self-created so-called "map-indexes" or "vector" maps. They are very compact compared to tiles) and allow zooming in to very high zoom levels. The counter part is that zooming out to "overview" lev CPU.

2a. Download them directly from the app. Choose Menu -> Settings -> Data for offline usage -> Download data for off long list on the countryname you look for. Files are automatically unzipped if necessary and placed in the right /osmand

2b. Create obf (Osmand Binary Format, a very compact binary ProtoBuf format) with OsmAndMapCreator. Put these \osmand folder (). Once done that, choose menu option Settings -> Data for offline usage -> Reload offline data to be loaded. Or exit and restart OsmAnd, which does the same refresh task.

You should put indexes and files to appropriate folders on your sd card. Directory structure of osmand application is

```
/sdcard
  osmand
    Address
    POI
    Tiles - source - zoom...
    Tracks
    Transport
    Voice/
```

- Downloading map

  First of all maps can be downloaded and installed automatically (see Settings-> Data for offline usage -> Down
  However you can also create the data using PC tool OsmAndMapCreator or TrekBuddyAtlass (maverick sqlite

- Downloading vector maps or indexes

  There are two ways to download index data for osmand.

  1. Go to settings menu of osmand and navigate to "Data for offline usage" option. This menu allows you to down
     By choosing "Download" option osmand will retrieve from *internet* list of all available indexes. By clicking on ite
     select which indexes have to be downloaded.
  2. Indexes can be downloaded manually from http://code.google.com/p/osmand/downloads/list page. In this case
     downloaded files in the right directory on your android sdcard.

     If you can't find you region you can read

How To Prepare own data to use offline.

How To Find on map

For example : Find "Where am I", Where is a certain adress or zip-code, where is closest restaurant, where is t
where is my car, where is what I looked for the last time. To accomplish these tasks probably you will need offli
(for POI).

1. To find where am I. You could enable GPS or network positioning and wait while device find your location. I
   you will see a blue curved arrow at the right top corner. Click on it and the map is centered to your location,
   blue dot or a blue circle at center. If you do not see arrow it means map is linked to your position. The cente
   black circle, it always used to calculate distance to other objects. So if you want to see distance from you l
   should press at arrow and map will be linked with your location. The light blue circle around you it is accurac
   could also see arrow around your location - it is bearing of your movement. If you see arc it is angle of view
   your phone.
2. To find closest POI. You need pre-loaded vector maps to be able to use this feature. You could press the s
   the map or go through main menu -> Search -> Top Left POI button. Next you could select category or prec
   order to find all POI select POI. After that you can select closest poi or amenity in relation to the last centre
   map, or related to your actual location (Search nearby). You can increase search radius by your desire. Lo
   you a choice: 1. show additional information if available, 2. Show on map and 3. Navigate to. A short click m
   position directly to the choosen poi. The POI will be in the center of map. You can also choose to define a **c**
   choosing the categories with a multi-picklist. At last: whichever POI list you have choosen, you can filter this
   the name of a POI by choosing Menu > Show filter. Now you can enter a few characters or part of a name.
3. To find building by address. You can press the search button on the map or go through main menu -> Searc
   Left button: Adress. Choose Internet button after that, if you have NOT downloaded a vector mapfile (see a
   have downloaded an offline Map by choosing Settings -> Data for offline usage, you have the possibility to l
   city and street names in the downloaded index. You can go search by address and select whether you wan
   offline index data or using internet OSM Nominatim. After that you could select 2 option Show on map or Na
   Navigate to is the same as show on map, but also mark point as point to go (red point).
4. To find Favorites, like My Home. First of all you can find it on map using other possibilities and mark that po
   pressing long click over map and click on the box on Map. Alternative is: selecting Menu button -> More -> l
   (Which is nearly the same as long click, however point location is the center on the map is no point click on
   After creating favorites you can see your favorite points in the main menu > favorites.
5. To find by lat/lon coordinates. Click Menu button > Specify point, after that you will see current map coordin
   copy or save them & specify other coordinates.
6. To find in history. You just can go to search form and go to the right most tab: history. You will see all searc
   searched before.

How To Navigate to point

Fisrt of all you have to select a point on the map. After searching the adress or POI, you can directly choose th
show the location on the map. When showing the right location on the map, use a long press on the map. A box

appears on Map. You can click this box, and a context menu appears. Or you can click Menu button -> More ->
Then the same context menu appears. Then click Navigate to point. There is a red Dot placed on the map, but r
yet. You have to click Menu button -> Directions button to create a route. You can choose now to create a route
or foot, and whether you want to start navigation directly (Choose Follow button), or only create the route and s
map with the Show button.

You allways can see distance to that navigation point in the left top corner. There is a box there with a red point and
point of navigation. Also, the bearing to that point is shown on the map as red arrow. If you want to calculate route
menu get directions, before you should select point to navigate to. See details at How To Use routing.

How To Customize map view

If you want to customize map view, first of all you could select Settings/Application mode and choose (Car, bicy
Some settings will be changed automatically like (auto-zoom, rotate map, show poi over map, save track, show
If you are not satisfied with that predefined settings you can change them manually in Settings/Map.

How To Arrange layers and overlays

About layers: These can be 1. Maps and 2. Additional layers.

Additional layers are points or lines, like POI, route, gpx, traffic jams, transport stops and osm bugs. You can look trou
they are referred as overlays too.

Maps have shapes and are almost 100% filled. Raster maps are allways 100% filled, but can be transparent thems
Wanderreit hillshade map. Normally they have 0% transparency, so that is 100% opaque, Like paint, you can't look

To put raster maps on top of other maps, they can be made transparent for some percentage.

Usually you have 1 map, but you can make it transparent to show an "underlay" map, and you can put a transparen
above. So the normal map is the middle map then. Samples of underlay maps are some "base maps" in the layer li:
openfietskaart base map.

The normal map can also be a vector map. And on top of that you can show an overlay map with some transparency (
On top of the three maps you can always show the additional layers.

So the list is from top to down:

1. additional layers (poi, points and lines)
2. overlay map. You can set transparency
3. vector map.100% opaque. You can set it on or off. Setting it off using settings, shows the middle map.
4. middle map. Raster map. You can set transparency to see the underlay map. The middle map is also the alternativ
   zooming out beneath the setting General -> zoom vector level.
5. underlay map.100% opaque.

The middle map or normal map can be a raster map which can have transparency, or a vector map, which can't be
Actually, if you zoom out to much the vector map becomes to slow, and you can define what raster map is used the
set raster map is shown, depending on the vector zoom level. The vector map can only be the middle map, not the
underlay map. The vector map can't be transparent, so if you want to combine it with a second map, you must set t
overlay map and transparency to 50% or some.

There are two methods to set the layers. The best way is to use the Osmand Main menu, which you see at start, tl
map appearance. The second method is android menu button -> layers. Using he layer menu you can't set transpar
appear a slider to set transparency of the overlay map! Nice!

How To Manage favorite places

If you often navigate to some places you can manage them as favorite places. Just pressing on map long click a
favorite. You can also use them to measure distance from map center. Some of favorite places could change lo
for that case you can use option for adding favorite/replace existing. So you will always track where is your car,
not available.

How To Filter POI

If you are often search some kind of POI or you are not satisfied with predefined OSM types of POI. You can c
filter. First time you could select custom filter you can select the whole type (pressing check box) or only some :
(pressing on text of type). The custom filter is not saved between sessions, however you can use for fast filterin
save your filter you can select options menu (in editing of filter) "save as" and enter name of the filter. After that
displayed in search POI activity. Pressing long click will go to the filter editing mode, pressing short click will go
mode (not for custom filter).

How To Use routing

If you are going to use routing you should specify Settings/Application mode (car, bicycle, pedestrian) because i

routing. After that you should find final location and mark as point navigate to. Once you do this you could press on map and select (directions). If you want only see the route, you can select "Show route". It will not updated i changed. It will calculate route using current map location (not your gps location). To see details of the routing, s once more and select About (about current route). You should see the turns of the route. By selecting option "Fo be update on your gps location. Once you will getting far from current route, route will be recalculated. If the err route will be recalculated once more. If you choose follow mode you will see at the left the next turn and the dis route providers do not give that information (Yours), so you can press on this area and will see mini map of the future direction). If you are not satisfied with route provider you can change it at (Settings/Data/Routing). Curre & Yours are supported.

How To Use voice routing

In order to use voice data you should download voice data and put it in appropriate place on SD card.

1. You can download voice data from Downloads find Voice for specific locale.
2. You should unzip all files onto SD card in /osmand/voice. For example /osmand/voice/en/config.p . 'En' is the na can put many languages into voice folder.
3. After you could go in application Settings and choose /Data/Voice and select preferred language.
4. The voice will be used when you select navigate to and follow. You can switch off/on by selecting options menu
5. If you can't find you language, you can help with translation see TranslateHelp.
6. There is an Android application in the Market that enables you to convert voice files to the format OsmaAnd us

How To Limit internet usage

If you are interested in small usage of internet, you can do following actions :

1. Preload map as it specified How To Prepare own data to use offline
2. Turn off usage internet for loading tile (Settings/Map) or select max zoom when tile will be preloaded. Zoom lev enough for outside city car usage, 14-15 could be enough for city car usage.
3. Do not use some operations that are required internet if you are not interested in them : show osm bugs layer enabled for pedestrian), context menu update map, create/edit poi, search using osm nominatim.
4. Routing also uses internet (follow mode will recalculate route only when you are off the route, you will see mes recalculated). One route is not more than 10-30 kbytes.

How To Prepare own data to use offline

1. In order to create Vector Maps, you can use OsmandMapTileCreator too. First of all you will need .osm vect .pbf. You can download these OSM files from Geofabrik. You can create a Vector map from the whole file or c area (File menu). Before converting the file you can use the checkboxes to select in what kind of indexes you a order to save application memory. After loading just press generating indexes, wait some hours, and get the .o of your device in the folder Osmand.
2. You can even convert your own maps from different formats (.shp ESRI shape files, .mp Polish format and oth .osm files and then convert them with OsmandMapTileCreator. There are a lot of ways to get your files in .osm popular way to do that is by converting them first to Google KML format. A good tool to get KML format is QG you have the .KML file you can use GPS Babel to make .osm files. You can convert POI's in this way, but also maps with (poly)lines, points and polygons or area's.
3. You can prepare a raster map database in .sqlite format using OsmandMapTileCreator from Downloads. You map types in this format, like Google Maps, OSM. Using OsmandMapTileCreator: Select an area by left drag map source, click preload tiles and select the zoom levels you want to preload. The tiles/indexes will be saved that is visible at the application status bar. After that, click Menu, Source of tiles, Create sqlite database. Now file where all the downloaded images are stored. Transfer it to your device into the Osmand\Tiles folder. With n of tiles > User Defined, you can add popular tile maps you can find on the internet.
4. You can prepare map tiles using TrekBuddyAtlasCreator saving to Maverick format. These files take a lot of

How To Convert your own POI database

Thanks to Claudio: read the whole artice on his website http://clamel.netai.net/android/osmand_poi In this article he convert a kml file into a format readable by OsmAnd using GPS Babel and KML files. Osmand uses odb files to sto simply an sqlite database:

We can look inside this file with sqlite:

OsmAnd recently is able to rendering POI icons over orange circle, but only icons "wired" into the program. Current are:

aerodrome, airport, alpinehut, atm, bank, bar, beach, bollard, bus_station, bus_stop_small, bus_stop, cable_car, cafe, caravan_park, cave_entrance, chair_lift, cinema, cliff, cliff2, danger, department_store, embassy, fast_food, firestation forest, fuel, gate2, glacier, grave_yard, guest_house, halt, hospital, hostel, hotel,level_crossing, level_crossing2, library lock_gate, marsh, mast, memorial, mini_round, mud, museum, nr, orchard, parking, peak, pharmacy, place_of_worship postoffice power_tower, power_wind, prison, pub, quarry2, recycling,rental_bicycle restaurant, school, scrub, shelter, shop_butcher, shop_clothes shop_convenience, shop_diy, shop_hairdresser, shop_supermarket, sosphone, spring stat telephone, theatre, toilets, tower_water, traffic_light transport_ford, tree, tree2, view_point, vineyard, windmill, zoo

So I suggest you to use only this subset of icons, so you'll see the corresponding image onto the orange circle repr

For example you may use these couples of poi_category,poi_type:

- tourism, hotel
- tourism, museum
- amenity, restaurant
- amenity, fast_food

Creating kml file

In GoogleEarth (GE)you can add you own Placemarks on the map and collect them into a folder. From GE you can kml format. When you have a different format you can use QGIS or other opensource software to convert to KML f

Converting kml into osm format

To perfom this task we need to use gpsbabel. It is very useful to convert waypoints, tracks, and routes between po receivers and mapping programs. The sintax is very simple, and GPS Babel has an interface to create the syntax fo

```
$ gpsbabel -i kml -f my_places.kml -o osm,tagnd "tourism:museum",created_by  -F my_places.osm
```

The generated file is like this:

```
<?xml version '1.0' encoding 'UTF-8'?>
<osm version '0.5' generator 'GPSBabel-1.4.0'>
  <node id '-1' visible 'true' lat '41.890121' lon '12.492265'>
    <tag k 'name' v 'place01'/>
    <tag k 'note' v 'place01'/>
    <tag k 'tourism' v 'museum'/>
  </node>
  <node id '-2' visible 'true' lat '41.892241' lon '12.489031'>
    <tag k 'name' v 'place02'/>
    <tag k 'note' v 'place02'/>
    <tag k 'tourism' v 'museum'/>
  </node>
</osm>
```

All points into kml file are converted into osm points, assigning them some properties like tourism category and mus created_by= option with missing value means that the properties will be ignored. If your poi belongs to different cat you create multilple osm files and create OsmAnd odb files and merge them together later with OsmAndMapCreato

Converting osm format into odb format Now you are ready to perform the final step. The conversion will be done us OsmAndMapCreator. Download, unzip and run this program.

- Deselect all choices except Build POI Index as shown:
- Select the work dir (File/Specify working directory…)
- Load my_places.osm (File/Select osm file…)

If all is right you'll find My_places.poi.odb into your workdir/POI folder. Simply upload this file into your osmand/POI you have done.

Good luck!!!

How To Improve maps (OSM)

If you are osm contributor or you are interested in improving OSM (Mapnik/offline data), you can do following ac (ascending by complexity) :

1. Open/edit osm bug (do not require osm account). In order to create bug, use map context menu Open osm bug bug long click gives you ability to add comment.
2. Editing POI (require osm login). First of all go to Settings osm and specify your account & password. After that (Map/show POI). By long pressing on poi you will see 2 actions Modify/Delete POI, select preferable. Do not appropriate comment on commit. If you are modifying poi please be sure about tags (there is an autocomplete tags) enter them in english and use standard tags. For opening hours also use osm predefined format. Please format, just english. However name you should enter in native format.
3. Creating POI (require osm login). Map context menu Create POI, please use the same rules as in Editing POI.

Note to be sure that your actions are not up to date. Please Update Map before (poi or tile) - context menu Upd enable Open street bugs layer (Settings/OSM/show bugs layer). Possibly for creating bug you will be required automatically created for you), please read

How To Save/track movements.

How To Save/track movements

Application gives ability to save tracks in gpx format on sd card. By default saving track is enabled for car/bicyc (Settings/Monitoring). For different application modes saving interval will change automatically however you can manually. Tracks are saved into sdcard/osmand/tracks grouped by days.

How To Find public transport

There is no full support now for public transport routing in the OsmAnd application, however there is a transport
help you in some situations. First of all the start point of search is the last visible map center & the end point is
(red circle). The transport you are searching has a radius specified by "find more" button. If there is no selected
see only one item (selecting route for distance). If you find/select any route you should select stop to imitate you
! The routes are sorted in way to minimize way by food ! The closest stop is marked as ! The search tries to fin
way for you. Once you select stop to get out, you can continue search after that stop by selecting search after
After that you will see route is selected and "searching route" goes down. After that you can repead procedure
previous results by selecting one route or deleting it. When you select finish route you will see more detailed info
the whole route.

Comment by jhelleranta, Jul 30, 2010

(Let's see how this comment box works...)

Great app! Good instructions.

A question/request: I'd like to get indexes of a few regions that don't seem to exist yet (Haiti, Dominican Republic, Cuba, Guatemala, Costa Rica &
Panama). So, directed by the prompt: "If you can't find your region you can make it by yourself. See osmand.googlecode.com" I came here to see
how. ... But haven't figured out. Please advice!

Thanks! -Jaakko

Comment by jhelleranta, Jul 30, 2010

And just a few tweak suggestions related to offline map tools:

- OsmAndMapCreator could be linked to http://code.google.com/p/osmand/downloads/list

- TrekBuddy Atlas Creator *(currently mis-spelled as TrekBuddyAtlass)* could be revised to its new name Mobile Atlas Creator - and
  be linked to http://mobac.dnsalias.org (which notes: "Mobile Atlas Creator (formerly known as TrekBuddy Atlas Creator)")

These would make it easier for people who are not so familiar with the project / apps to find the tools.

Thanks!

Comment by jhelleranta, Jul 30, 2010

Oh, and two other things:

1) How often does the map data change? At least for Port-au-Prince the new data in OsmAnd? seems to be maybe two weeks old (e.g. Juvenat
that I edited maybe a week or two ago doesn't show ... The loop showing in OSM here http://osm.org/go/YeSTPUKPJ- and Cloudmade here
http://mapzen.cloudmade.com/map?lat=18.521487&lng=-72.300135&zoom=17 doesn't show in OsmAnd?). Two weeks of delay is not a biggie most
of the time (before the next earth quake of other crisis) but it would be great to know if there is a schedule or a rule of thumb.

2) I found the "Upload map" feature fast (through the "Target Menu", the pop-up "context menu") -- but had difficulties to find it later (because it's
named merely "Target" in the menu button "popup"). Could that be renamed to "Target menu", perhaps? ... Or is there only space for that on my
GalaxyS screen?

Related to these (my questions + finding features): Is this the right place to as questions or is there e.g. an email list for that? -- There could be an
explicit comment on where to comment or send feedback/ideas. Even an open wiki where "random" users could contribute to a "manual". Or
something like that.

Comment by aotearoa...@gmail.com, Aug 6, 2010

Hi - Loving Osmand, it's a wonderful piece of work - so nice to see Open street map going out into the real world.

Is there a setting somewhere that can be set so that the phone's screen doesn't turn off when using the map? I'm sure I used to have this
functionality but it isn't working any more?

I did at one point have the GPS status app installed - maybe this was a setting in this application? I had to uninstall GPS status as it was a resource
hog...

Many thanks for the great work! I'm loving it.

Comment by sc3sc3, Aug 13, 2010

hi, is there a mailing list for this project ? i checked out the source and am having build problems in eclipse: "Conversion to Dalvik format failed with
error 1" & "invalid resource directory name 'layout-large'", thanks for any help

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Comment by van.assc...@gmail.com, Aug 17, 2010

I think this is about the best product i found so far. I have two requests though : - would it be possible to show POI with their name on top ? - is

---

there any way to upload a track (like for a hiking trip for example) and see the track on the map ?

thx to reply to erikvan_assche@hotmail.com

Comment by capit...@gmail.com, Aug 31, 2010

Hello Very nice application run on samsung i9000 I have several cities and not enough space in my internal sd card, whereas i can't use the external sd card which contains a lot of space; a little frustrating

it'd be wonderful if we could specify our directory where we decide to put tiles and sqllite files

thanks

Comment by project member vics...@gmail.com, Sep 2, 2010

It seems that I'm one main developper of this application. And I don't have time to answer for all questions. Sometimes I don't really know that questions exist. So first of all there is google group what I often monitor and could try to answer : osmand.app - google group. If you think that some functionality is broken you can raise an issue in issues. Currently I'm very busy with vector map rendering so your help will be appreciated.

Some notes about your questions :

1. There is no schedule about map updating if you need update data you should do it manually since that is open initiative to upload data.

2. There is no options to upload track in internet (live monitoring) and to see recorded track. (Not planned yet, however see recorded track should no be complicated).

3. Mailing list is google group.

4. The phone should not turn off while you are on map. I can't figure out what is problem. Try to find more and raise issue.

5. Target menu disappears from menu. There are a lot of items. You can run it by long click or by pressing trackball.

6. You should manage your disk space manually by connecting to PC.

P.S. : I will be very appreciated if you create more detailed manual because from your point is more clear what should be explained better.

Comment by ogrue...@googlemail.com, Sep 8, 2010

Excellent application - keep up the great work!! It works great on my Samsung i5800.

Comment by omegat...@gmail.com, Sep 25, 2010

I've already downloaded tons of tiles for AndNav2?. They are in /sdcard/andnav2/tiles/ Can osmand use those tiles instead of downloading more?

Comment by zaat...@gmail.com, Oct 31, 2010

what is the blue triangle starting from your position?

Comment by pedro%lo...@gtempaccount.com, Nov 5, 2010

Thanks for such excellent application. One question though. I'm used to being able to download the map data before I go on a trip to an unknown place. There are many maps available from the app, but many still missing.

Browsing through the directory, I saw that it stores the tiles in the 'tiles' directory, with the same format as other applications, like TangoGPS. I use tango to download the tiles in my laptop, and then copy them to the 'tiles' directory... would that work?

Thanks again.

Comment by pepabriz...@gmail.com, Nov 14, 2010

under the program as me. apk ---- as I do to work on the phone?

Comment by kingroll...@gmail.com, Dec 8, 2010

Hi everyone,

first of all THANKS a LOT for the App. But honestly, either I am stupid or the way of map creation doesn't fit my head. I copied my sqlite files to the specified folder (osmand/tiles) on the phone. Okay, maybe I have the concept wrong, but I thought my phone would now after saying reload indexes from SD-Card find it and use the data for my preferred town. Also I did download the indexes with osmand on the phone for the area which I cached and saved as sqlite. So, any clues / ideas are appreciated greatly. And please for noob's sake, can the zips at geofabrik et al at least say how to treat them or where to copy them, it says just the 'right folder' in this howto as well. I really see great potential in this app and hope it will be making a difference ;)

Comment by rpe...@hotmail.com, Dec 9, 2010

Question about track saving: when are GPX files actually saved to SD? Are they created regularly (e.g. when a certain size is reached) or one has to save manually in the Monitoring menu.

Comment by thing...@gmail.com, Dec 11, 2010

This is a truly fantastic product, having recently come from the world of JavaME, to Android, all things considered, this is lightyears ahead.

I've been a moderatly active OSM editor on and off for a while, and have an IT background.

However as a beginner to your product I'm finding it really dificult to work out anything past the basics. I'm located in Liverpool UK, and there seem to be no downloadable "index" files for my area, on top of that there is little to say what an index file is, or what format it's in, the instruction for generating one seem to be complex. I have basic map data redering, but that's all.

Once again, fanastic product, and the documentation problems are normal for every open product of this type.

Comment by D.G.Jan...@googlemail.com, Dec 12, 2010

Be aware that you have to manually select under map appearance "Vector OSM maps" if you want to use offline maps.

Comment by paul.mae...@googlemail.com, Dec 17, 2010

Hello,

I cannot find the map for California in the download list. I thought it was there before. Was it removed? Does the map have to be created again?

Thanks a lot!

Comment by project member prescot...@gmail.com, Dec 17, 2010

Hi Paul. Map of California was not available, because its size. But it will be available soon on new server.Just wait. ;-)

Comment by wolfgang...@googlemail.com, Dec 22, 2010

There is a Problem in logging the track. When positionlogging is activated, Osmand creates the gpx-file (ex. 2010-12-10.gpx) but some seconds later the writing in breakes down.

Comment by gralex1...@gmail.com, Dec 28, 2010

"...a little frustrating it'd be wonderful if we could specify our directory where we decide to put tiles and sqllite files thanks"

+1 Samsung i9000

Comment by gralex1...@gmail.com, Dec 28, 2010

...like this: www.oruxmaps.com

Comment by roger.as...@skynet.be, Dec 30, 2010

does anybody know how to install this on a Toshiba folio 100? Many thx

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Comment by egeo...@gmail.com, Jan 6, 2011

I think the best to avoid all this confusion where and how , simply find a WIFI soft, upload OSMAND from market, upload maps, voice and POI for your country and it should be working without any problems. Simple as that

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Comment by williams...@gmail.com, Jan 11, 2011

The other day, I could have sworn that I had found a "preload" or a "download map tiles"-type of option. Previously, I had read that this had to be down with OsmMapCreator? or similar, so I was excited and I even did download a significant number of map tiles.

IIRC, I did a press-and-hold to make a Point, then on the Point menu, I was able to "Preload Tiles". I clearly remember a slider bar to set the zoom level, then a warning about the amount of data to be downloaded, and then a Downloading status toast pop-up.

But now, I don't see this at all. Have I lost my mind?

   - ScottHW

Comment by AndroidS...@gmail.com, Jan 24, 2011

Fantastic work! One question; is there a way to change the scale on the map screen to show US miles instead on km?

Comment by williams...@gmail.com, Jan 25, 2011

It's been two weeks since my comment, no response??

I thought I had used a "Download Tiles" option in OsmAnd?.... but I see nothing about that mentioned anywhere.

Comment by alexeyd...@gmail.com, Feb 19, 2011

About **OsmandMapTileCreator?** - write plz that it's not work correct with **Java 64 bit**. It can save your time and those who use program.

Comment by ahlar...@gmail.com, Mar 4, 2011

Hi

Grate Application , I have managed to put offline maps of huge areas .. especially as there is no gps mapping soft of the place where I live .. (north africa) There is just a little problem for me when using directions as I loose them as soon as I leave the wifi area. Tried to use the show route but it always fails.

Any help is really welcome Thanks a lot for your big efforts.

Comment by williams...@gmail.com, Mar 9, 2011

I knew it! I knew I wasn't crazy. I figured out exactly how I had previously accessed the Download Map option.

How To Enable "Download Map" tile caching, for offline use:

(instructions based on OsmAnd? 0.5.2(b1))

1. First download any "Map" offline data:

   Settings>Data for offline usage>Download offline data>(select your region of interest, but apparently any will work)

2. Once any offline Map data is downloaded, a new menu item shows up

   (Main Map view)>Menu>More>Point options>Download map (bottom of list). This will use a data connection(-1-) to cache all tiles in the visible area, down to the selected Zoom level.

3. "Select max zoom to preload visible area", then press **Download**
4. Status bar indicates download progress

   NOTE:You can multi-task away from OsmAnd? and the Status will still be maintained when you return. However, if you rotate the screen while displaying the Status, the box will disappear. I believe the downloading continues, as the green circles icon in the upper right continues to spin, but haven't confirmed yet. I will report this as part of a Rotate display bug.

5. You can also cache different types of tiles. Each must be done separately.

   Menu>Layers>Map source...>(Mapnik, Google Maps, Terrain, Satellite) repeat steps above

(-1-)standard data disclaimer: the Tiles can be a large amount of data, depending on the Area and Zoom chosen. 3G data connection Fees may apply. It maybe be advisable to cache Tiles using a WiFi? connection. This would almost certainly also improve download speeds. Also, huge numbers of Tiles can take up a lot of space on an SD card.

Honestly, I have NO idea why it was so hard for me to find this information anywhere, including multiple forums, AND the OsmAnd? Project Code.Google page. I had to (re)discover this myself.

IMHO, **this is by far the most significant feature of the entire App.** It should be trumpeted in the Wiki, particularly in the "*How To Download data*" section. Maybe I'm an idiot, I've missed it, and somebody is going to *RTFM* my n00b a$$. I don't believe I have Edit access to this page, but perhaps *vics...@gmail.com* or some other Moderator will see my comment and include this Info.

Comment by hendrix...@gmail.com, Mar 12, 2011

Williams...@gmail.com,

Thanks for posting your comment. It helped me much more that the wiki did. One thing I don't understand: after downloading a region through the app to the SD card, why do I have to then use a data connection to download the tiles?

I agree that this is the most useful feature of the app and should be described in more detail and if the creators want to promote usage of the app.

Comment by williams...@gmail.com, Mar 14, 2011

hendrix... Glad to help. Right away, I want to state I am neither a developer, nor even an expert user of OsmAnd?. These ramblings are only what

I've figured out on my own.

When you download the region "data", it is "Map, Transport, Address", but that is not the actual map Tiles. The maps are composed of hundreds or thousands of individual image Tiles, which must be downloaded separately.

I have found no references as to why downloading the region data allows access to, shall we say, Tile serial downloading, nor why it is disabled to begin with. Possibly the Region data contains necessary Indices for assembling the individual Tiles. Although... Offline Caching of Tiles works without these data when you merely view tiles manually on the map, but that process is painfully/prohibitively slow for large areas at multiple Levels.

It is possible that this Feature puts a high load on servers, and/or gets closer to infringing on acceptable usage practices for the various entities to whom the Tile data belongs (Google, Microsoft, etc.) If that IS the case, I hope that in pointing out this most useful feature to others, that it is not removed or blocked. Quite the contrary, I hope this is expanded.

Glad to have helped.

Happy Open Source Mapping!

Comment by haider.a...@gmail.com, Mar 16, 2011

Good app but it's slow when it comes to sliding maps' tiles. The routing function doesn't work on offline mode it gives error message if there is no internet connection. Thank you for this app and I hope you solve these issues.

Comment by freddie....@gmail.com, Mar 26, 2011

It saves it on the phone only.

4\/3!!

Comment by emilio.c...@gmail.com, Mar 26, 2011

thank you for this excellent app. It would really make a lot of improvement if you would include also an option for calculating routes without needing to connect to the internet

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Comment by davidvin...@gmail.com, Apr 21, 2011

OK .. now I have a map in place and established 2 favorite places (little stars)> Now I want to have the system draw the route between my 2 places.

Would somebody please give me the step-by-step process that I need to go through. I just cannot appear to understand the logic of the system in accomplishing this simple process that is so simple in the desktop version.

By the way .. "Specify Point" through Lat/Lon is total lunacy. Why no search on place names?

Favorites located with long finger press are mis-located even at maximum zoom.

Comment by naya...@gmail.com, Apr 24, 2011

Couple of days ago I bought Osmand+. The application is excellent. It takes very long time to download and create OSM map using Mobile atlas creator in the pc. But with this software it can be done easily and quickly with the mobile phone. The osm map also has most details features from any other map. However, it will be very helpfull if this app adds the features like: the 'route creator', dedecated 'record track' button and display recorded track on map in real time, customisable poi icons and better search option.

Comment by teek...@gmail.com, May 2, 2011

I didn't see much on here, but I wanted to expand on the part "How To Prepare own data to use offline" specifically for vector maps.

I needed the vector map of bolivia (more recent than the one available for download in-app). I started by downloading OsmAndMapCreator (Newest I could find on May 2, 2011 was 0.5.1beta-b2.) Then I downloaded the BZipped OSM file for my country from: GEOFABRIK Downloads.

I unzipped and started up OsmAndMapCreator by running "./OsmAndMapCreator.sh". Then I went to the File->Select osm file... command and selected my bolivia.osm.bz2 file. From here the tool took over, and after a while, output a Bolivia.obf in ~/osmand. I then took that file and put it in my /sdcard/osmand directory on my phone. When I started up the OsmAnd? application, the new vector data was there and rendered for me. Awesome!

Comment by sss123n...@gmail.com, May 27, 2011

thx, cool application, acceptable manual !

Comment by rustam...@gmail.com, Jun 22, 2011

It says this page is Wiki, but how can I edit it? There are numerous grammatical errors in it.

Comment by rizzyr...@googlemail.com, Jul 6, 2011

First I have to say that this app is great. I had some trouble because the OsmAndMapCreator did't start and I didn't find any other tool to do the same job but I fixed the batch-file by writing down the whole path for the Java directory. I don't know if anyone else had the same problem and I don't know how to fix the batch in common. Maybe it's just my stupid computer who didn't wanna work. Just wanted to report that ;-)

Comment by miroslav...@gmail.com, Jul 18, 2011

Thank you for the great app! I am searching for a possibility to 'search' for a lat/lon location within a copied&pasted URL from OSM, such as "http://www.openstreetmap.org/?lat=45.83261&lon=6.86475&zoom=16&layers=M", e.g. from an eMail/SMS.

Comment by rkankelb...@gmail.com, Jul 23 (3 days ago)

Thanks for a great application...I love it for Jeeping off road trails.

It seems that I always have to select my gpx files as a layer constantly becuase it automatically becomes deselected. Is there a setting change so that my gpx track files stay on until I uncheck them myself?

Thanks, Robert

Enter a comment: Hint: You can use Wiki Syntax.

Submit