

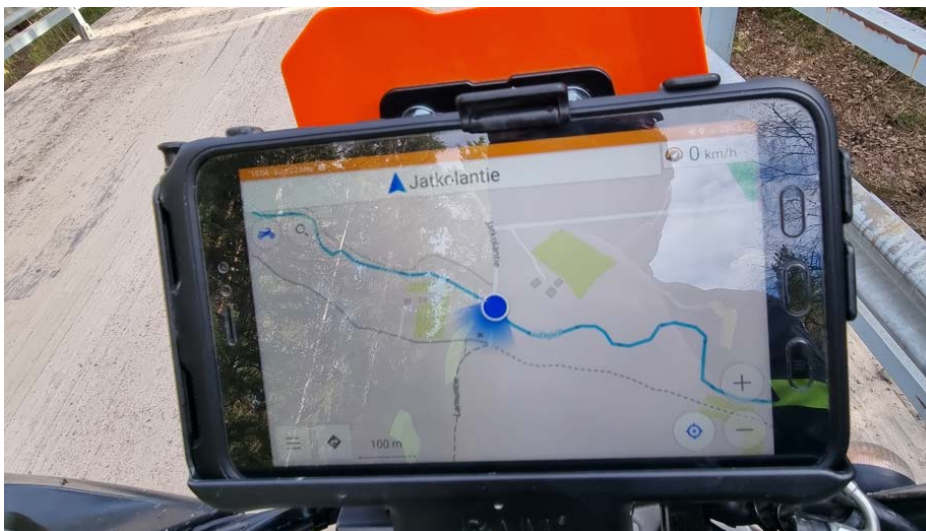


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Android Navigation apps: OsmAnd+

 [Antti - advseeker.fi \(https://www.advseeker.fi/author/admin/\)](https://www.advseeker.fi/author/admin/) -

 14/09/2022 -

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About Me



ANTTI M

Adventure seeker, who is learning new things in every ride. Some times I try to do some fixes / repairs by myself and usually it is mess from start to end.

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2 Comments (<https://www.advseeker.fi/advseeker/android-navigation-apps-osmand/#comments>).

Quite often there is question that what is best navigation tool for TET or other driving. I have used 2 apps named OsmAnd and LocusMap. This post will go through some basic functionality of applications so it would be easier to you take those to use.

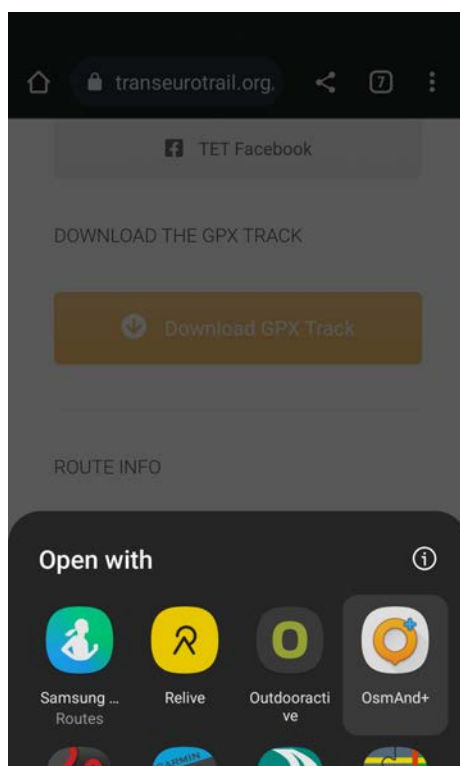
OsmAnd+

OsmAnd is Android navigation application that has plenty of functions and it is only application that has options to avoid paved roads. So basically when that is on you will find yourself from small gravel roads. It has also live location, Trip recording and several other plugins. One that I recently found is showing road surface and that is quite nice if you are wondering is the road tarmac or not.. Though as information is received from open street maps it might not be fully accurate.

So visit in google play and download [OsmAnd \(free\)](https://play.google.com/store/apps/details?id=net.osmand) (<https://play.google.com/store/apps/details?id=net.osmand>) or [OsmAnd+ \(paid\)](https://play.google.com/store/apps/details?id=net.osmand.plus) (<https://play.google.com/store/apps/details?id=net.osmand.plus>) and install that to your device.

Import TET route

Often there is question where to get TET route. Only source for correct and valid GPX file that holds full route is [Trans Euro Trail own web page](https://transeurotrail.org/) (<https://transeurotrail.org/>). Go there with your mobile and select country and hit Download gpx button and accept terms and rules. Once gpx file is downloaded open it and you should see OsmAnd as possible application to open file.



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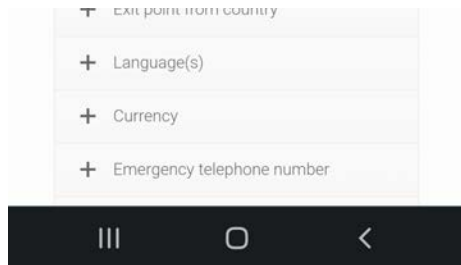
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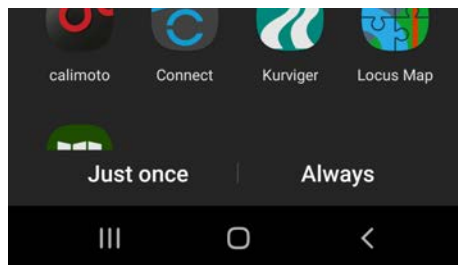
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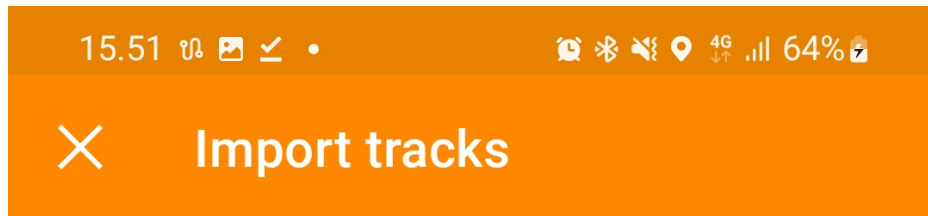
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FIN (8).gpx, contains 13 separate tracks.
Choose tracks to import.

Import as one track

TET_FIN-01_20220907

1



2290 km Distance | 11 894 m Uphill | 11 639 m Downhill

Waypoints 38/300

☒ Selected

TET_FIN-02_20220907

2



s/trip-to-
piehinki/)



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(<https://www.advseeker.fi/advseeker/android-navigation-apps-osmand/#comment-74>)

Peter on Android Navigation apps: OsmAnd+
(<https://www.advseeker.fi/advseeker/android-navigation-apps-osmand/#comment-73>)

Antti - advseeker.fi
(<http://www.advseeker.fi>) on 4 days, about 2200km story about TET Finland south loop
(<https://www.advseeker.fi/advseeker/4-days-about-2200km-story-about-tet-finland-south-loop/#comment-72>)

Andreas on 4 days, about 2200km story about TET Finland south loop
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Deselect all

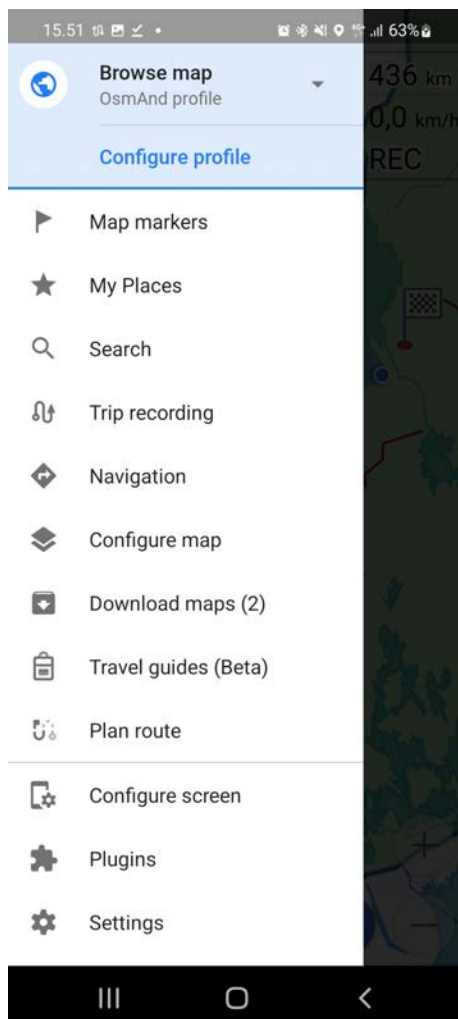
Import 13/13



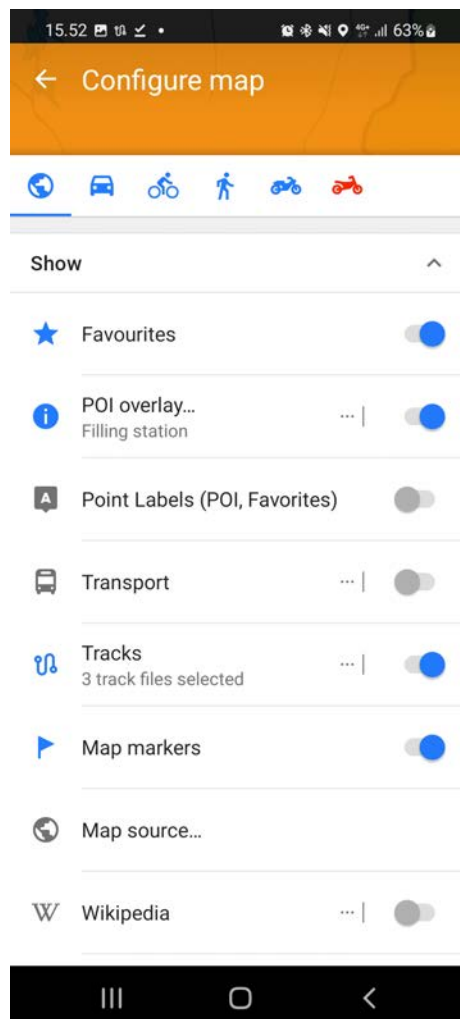
(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220908-155104_OsmAnd.jpg)

Once application is opened you will see information about gpx file. This gpx file was containing 13 separate tracks and you can choose what tracks are imported or all. Click Import 13/13 button to import selected tracks.

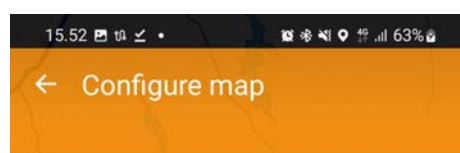
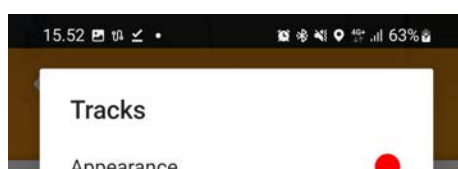
If tracks are not visible right away after import you need to make those visible from menu. Menu button is located it bottom left corner. Select Configure map and then Tracks. You will see all tracks that are available in application. Select the ones that you imported and press OK. Now you can see that Tracks count is updated and when you press back button you will see routes in map.

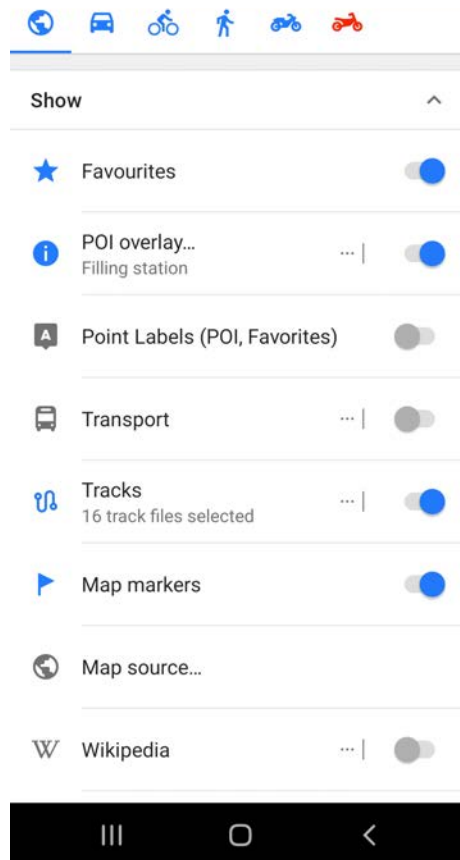
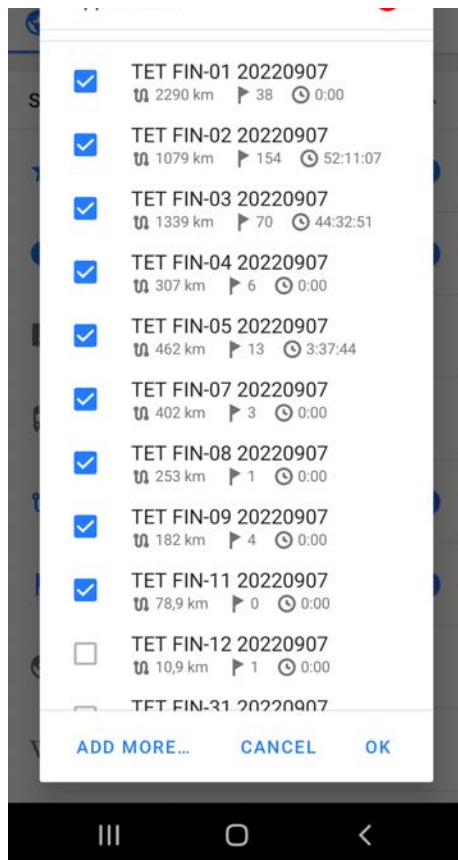


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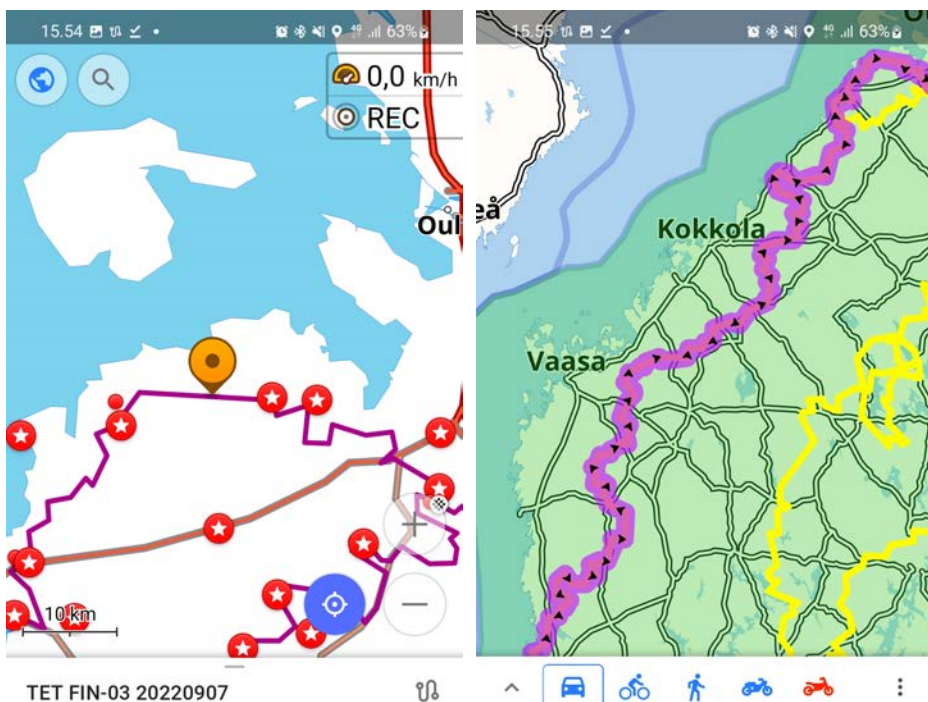
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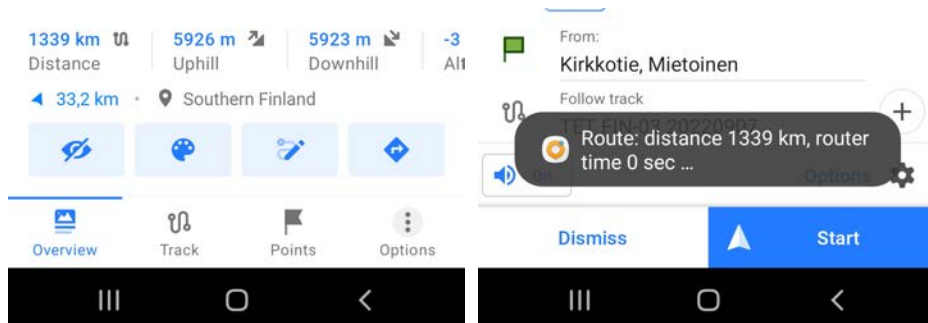
Getting Tracks Visible

Start navigation

Navigation is started by clicking the track that you want to follow. Once you click track menu will open that tells basic information about track like name and distance etc.

There are 4 main buttons that are from left to right: Hide track from map, Change colors, Edit track, Navigate. Click Navigate button. You will see direction of route in next screen.

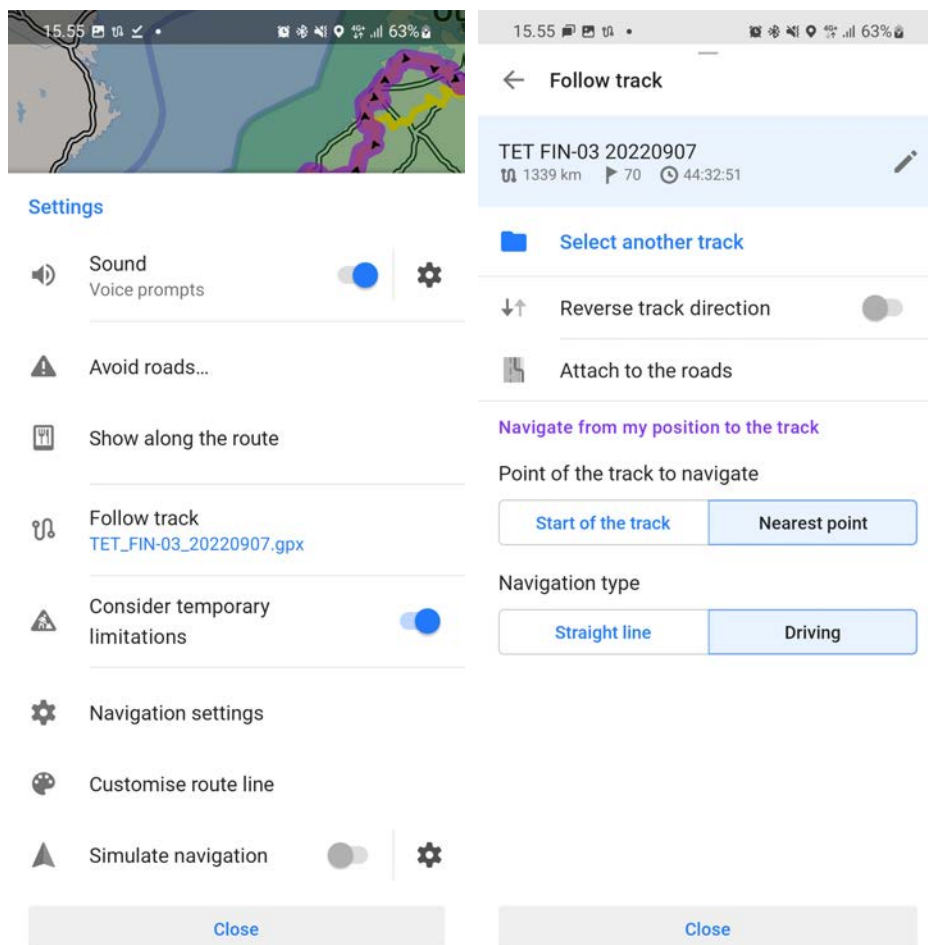




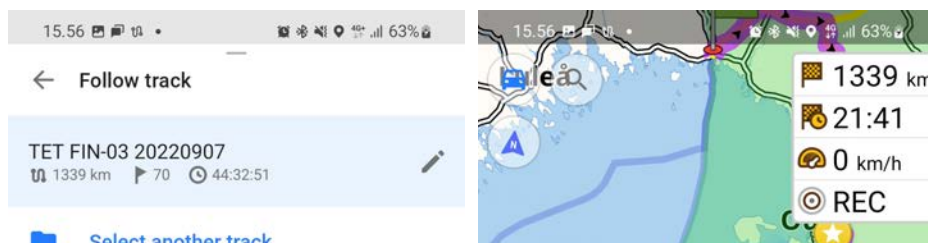
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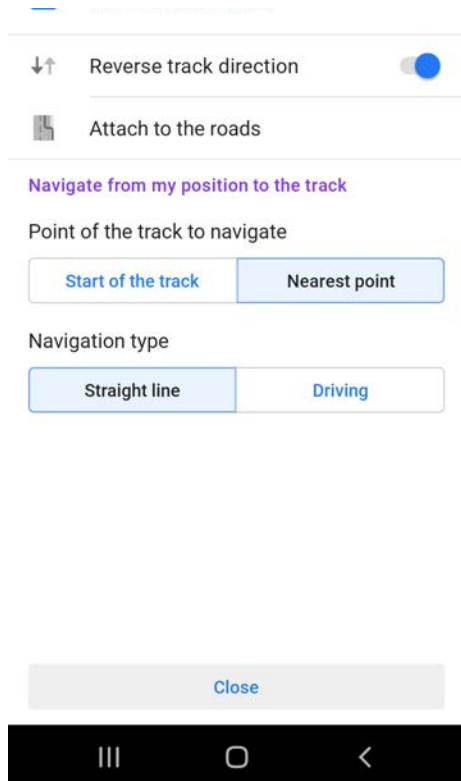
Quite often you might need to change direction if you are in not located in place where the track starts. This can be done by pressing options (gear icon top of Start button).

Then select follow track and click Reverse track direction. Then click close. Now you can see that track arrows are pointing other direction.



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220908-155519_OsmAnd.jpg)

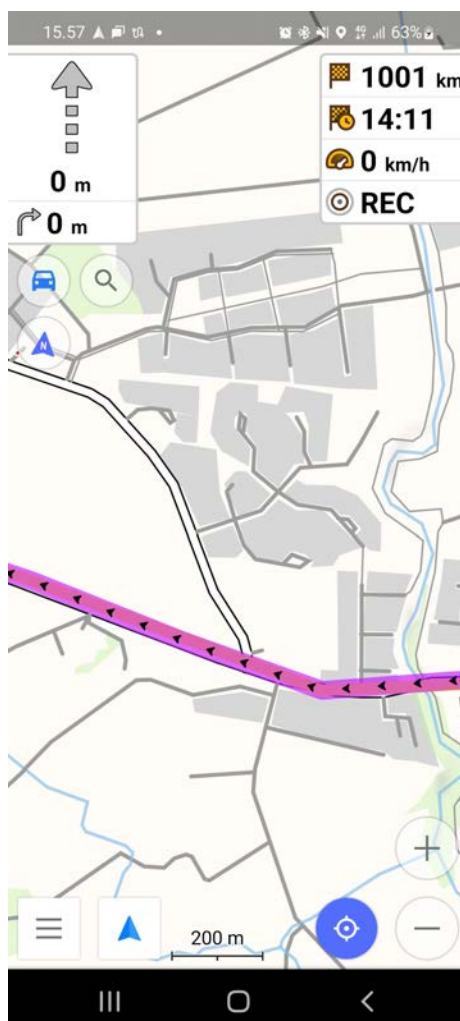
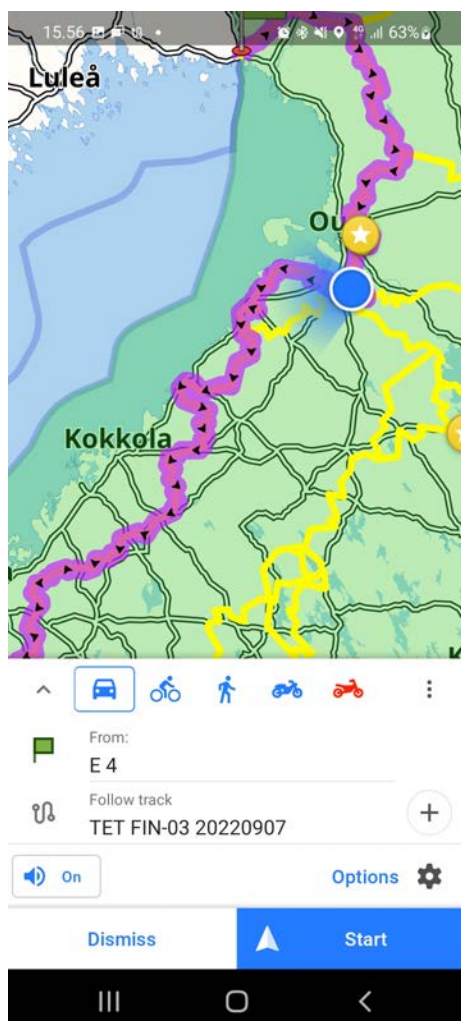




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(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220908-155647_OsmAnd.jpg)

Now we can start navigation by pressing start button.



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220908-155657_OsmAnd.jpg)

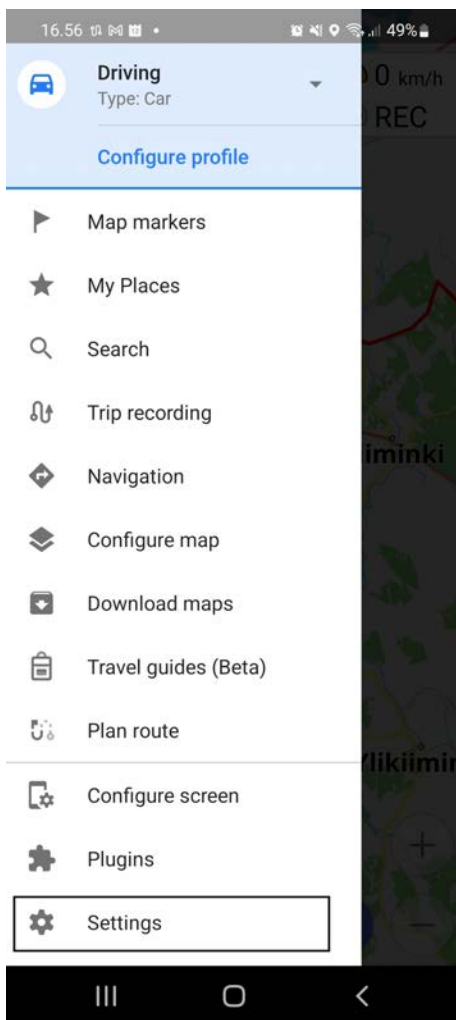
(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220908-155747_OsmAnd.jpg)

Creating profile for gravel roads

OsmAnd is only application that allows you to create profile that will route you through gravel roads always when possible. This will give great twist for planning trips. Just click the location on the map and then select navigate then app will do the rest.

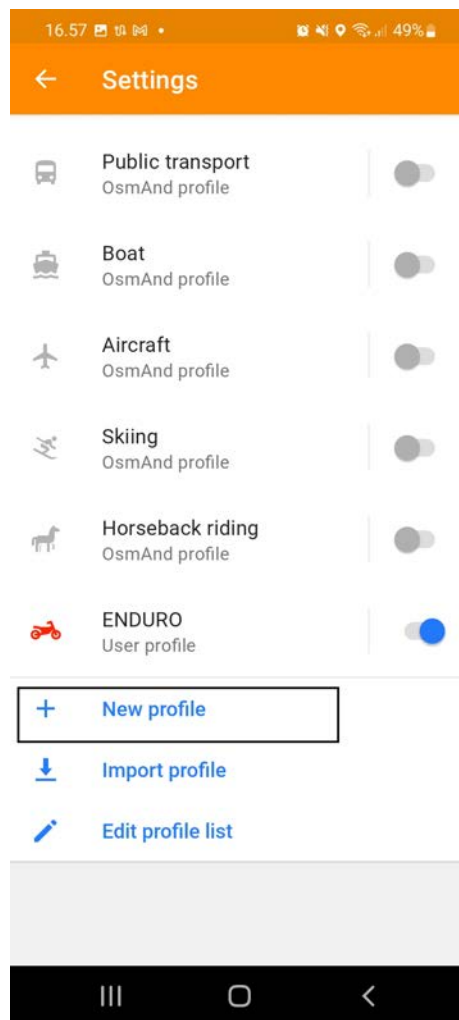
So how to do that? hit the menu and select settings.

1. Scroll page down
2. New profile.
3. Base profile is Motorcycle, Give new name for Profile. Select colour and icon press save.



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220912-165659_OsmAnd.jpg)

16.58

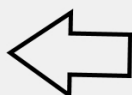


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49%

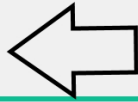
← New profile

OsmAnd profile
Motorcycle



Profile name

Dualsport



Select color

Green



Select icon



Cancel

Save



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220912-165836_OsmAnd.jpg)

Now we have new profile, but we need to edit it to meet our expectations. This tutorial expects that you want to drive gravel roads. But you can modify all settings as you want.

Click navigation settings and then route parameters.

16.58

49%

16.59

49%



Dualsport

Configure profile



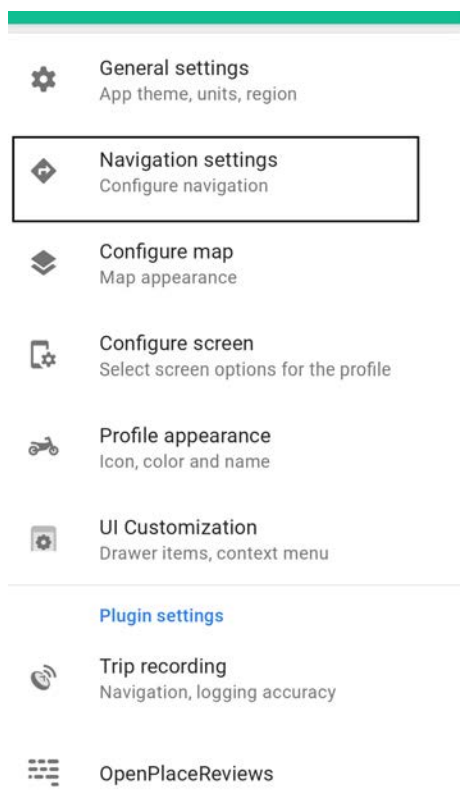
Navigation settings

Dualsport

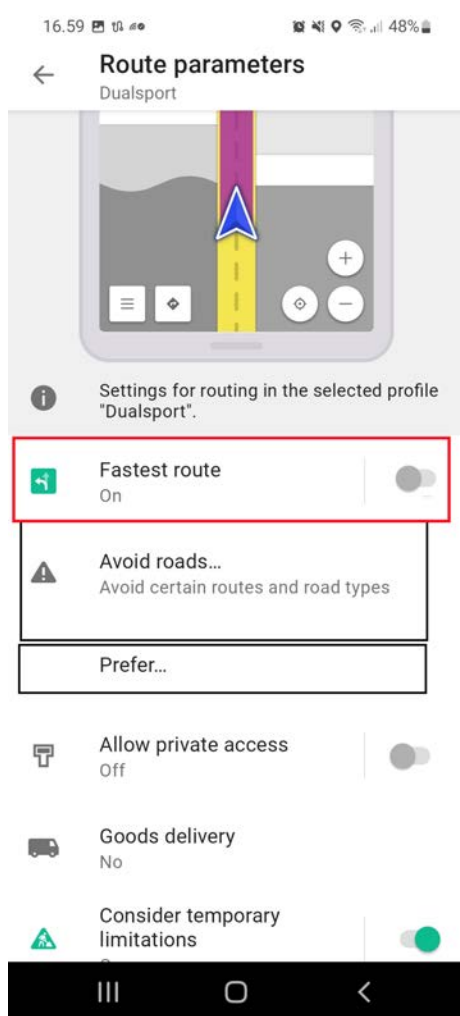
On



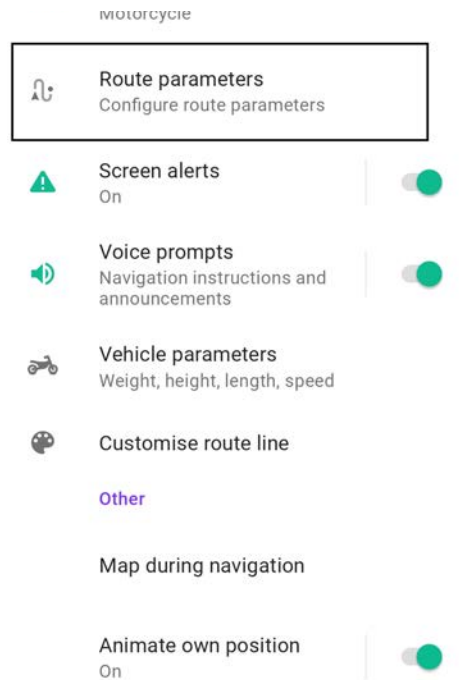
Navigation type



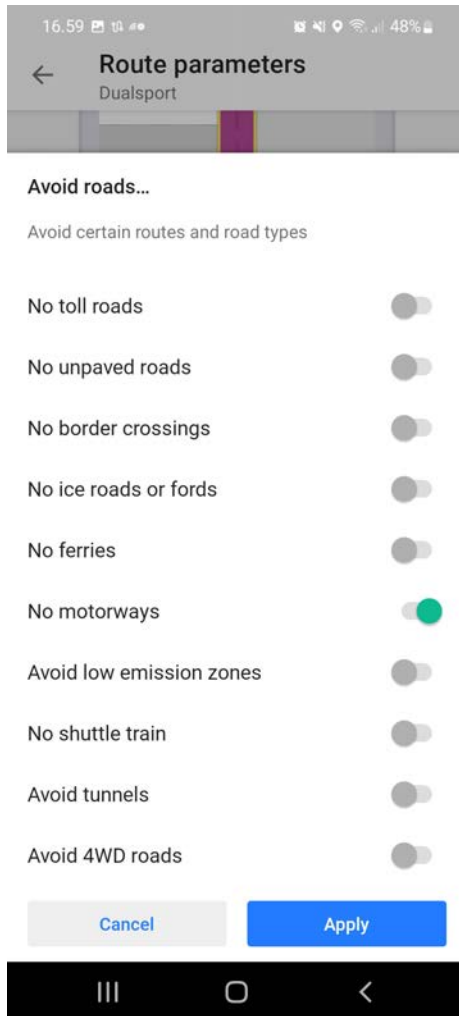
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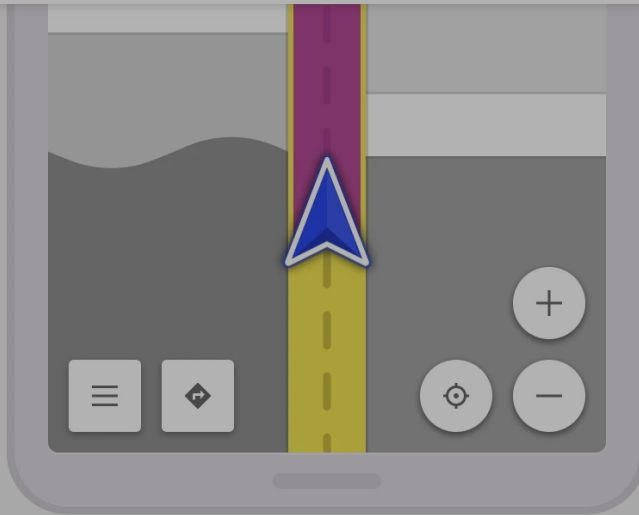


(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220912-165942_OsmAnd.jpg)



Route parameters

Dualsport



Settings for routing in the selected profile "Dualsport".



Fastest route

On



Avoid roads...

Avoid certain routes and road types

Prefer...



Allow private access

Prefer...

Prefer unpaved roads



Cancel

Apply

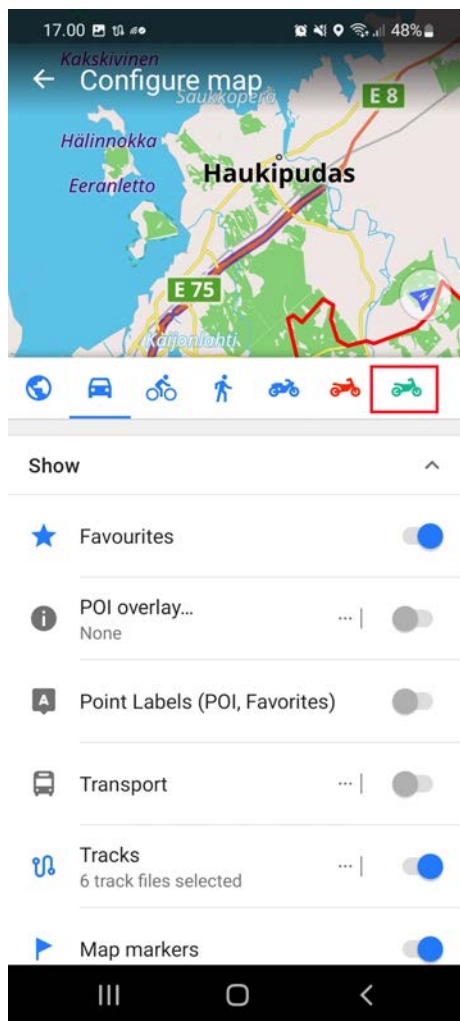


Remove Fastest route setting so application routes you alternative routes. We want to avoid motorways but other roads are ok. Then we want to prefer unpaved roads so we turn that on.

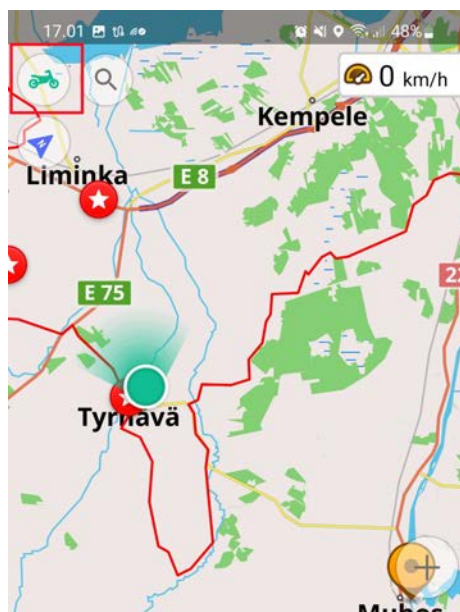
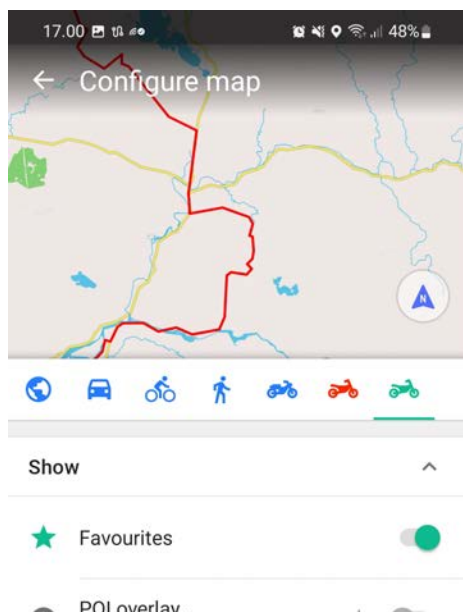
Then press back so you go back to map. Now you can click top left corner where is profile icon. Select newly created profile. You can see what tracks are visible etc. When you go to map and click some place in map and then press navigate it will follow your new profile settings and creates route with given parameters.

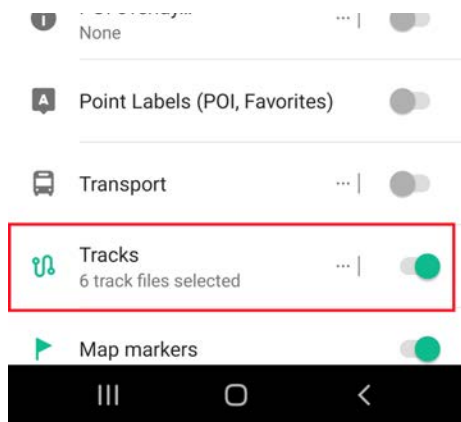


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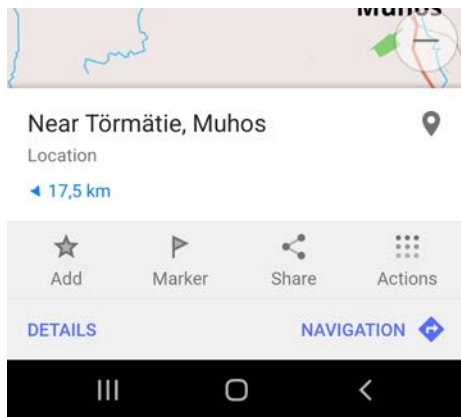


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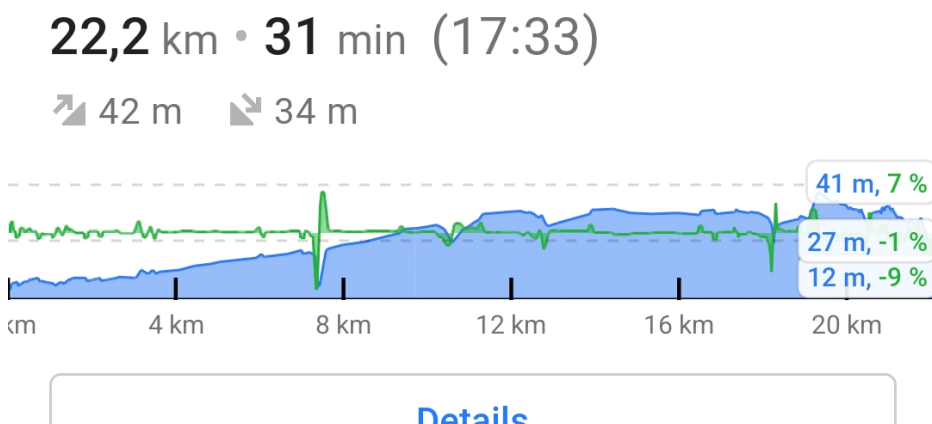
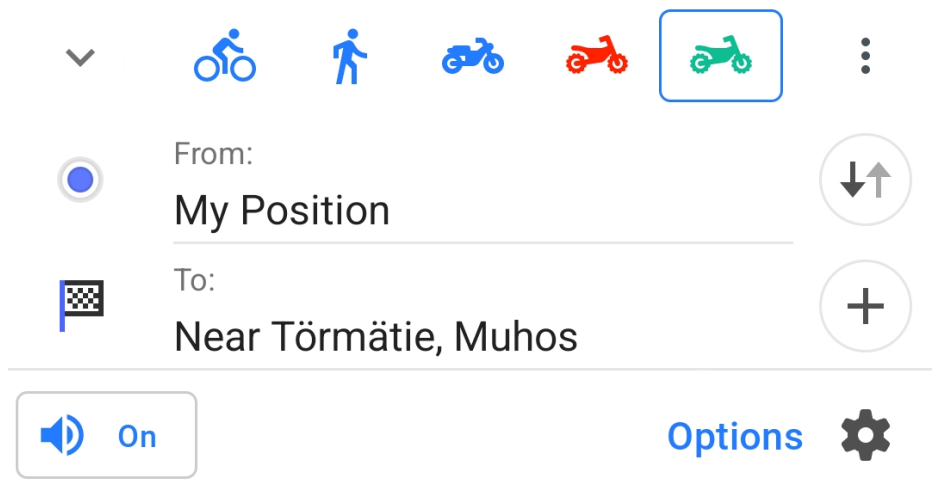
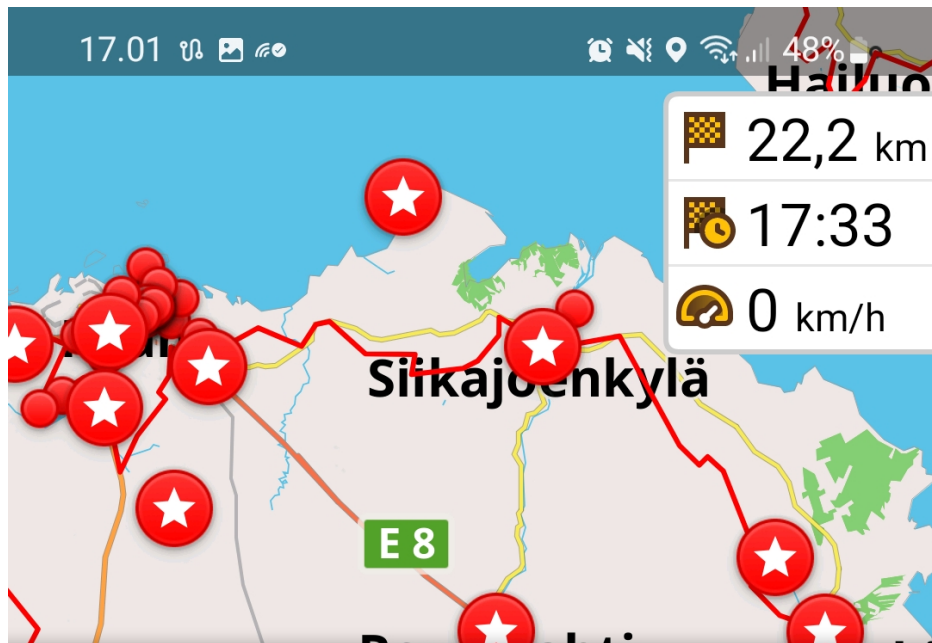




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(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220912-170116_OsmAnd.jpg)





Route: distance 22,2 km, router
time 3646 sec ...

Dismiss



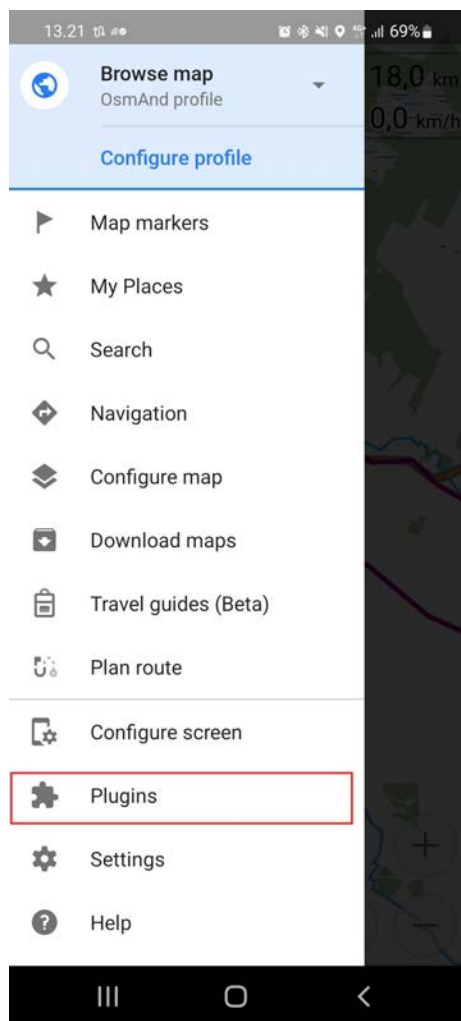
Start



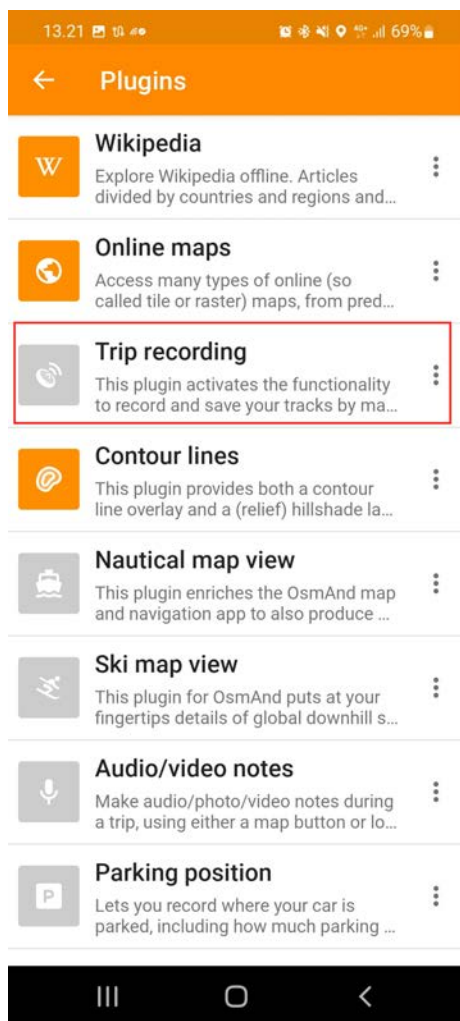
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Trip recording

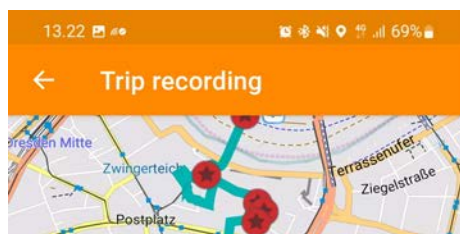
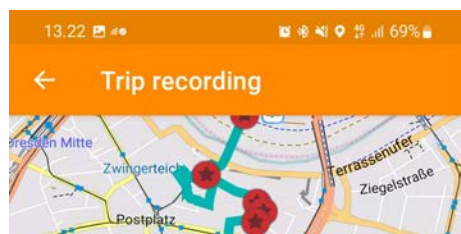
Trip recording in OsmAnd is not activated by default. Feature is available under plugins menu.

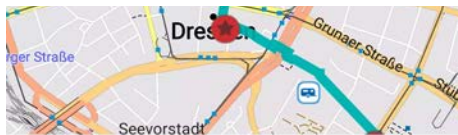


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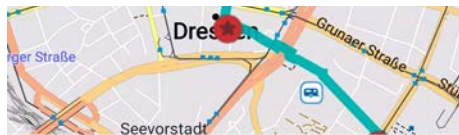




DESCRIPTION

This plugin activates the functionality to record and save your tracks by manually touching the GPX logging widget on the map, or also to automatically log all of your navigation routes to a GPX file.

Recorded tracks can be shared with your friends or be used for OSM contributions. Athletes can use recorded tracks to monitor their trainings. Some basic track analysis can be performed directly in OsmAnd, like lap times, average speed etc., and tracks can of course also later be analyzed in special 3rd party analysis tools.



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(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220913-132219_OsmAnd.jpg)



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220913-132227_OsmAnd.jpg)

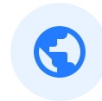
13.22

4G+ 69%



Trip recording

Browse map



Show start dialog
Enabled



Navigation



Auto-record track during
navigation
Disabled



Auto-start track recording while
navigating and auto-save afterwards.

Logging accuracy



General logging interval
5 seconds

Minimum displacement
Not selected

Minimum accuracy

50 m (164 ft)

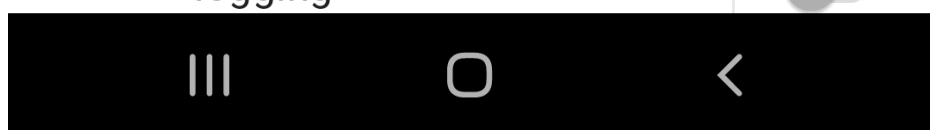
Minimum speed

Not selected

Auto-split recordings after
gap

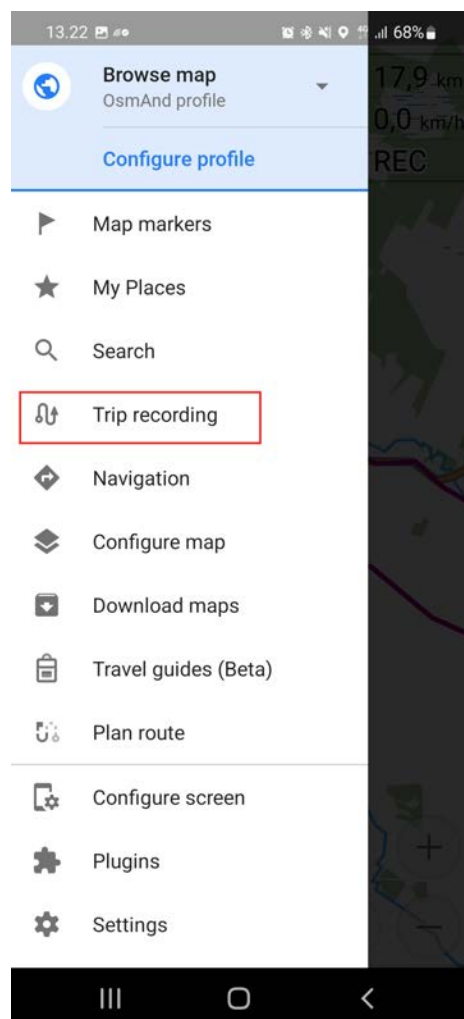
Disabled

Prevent standalone
logging

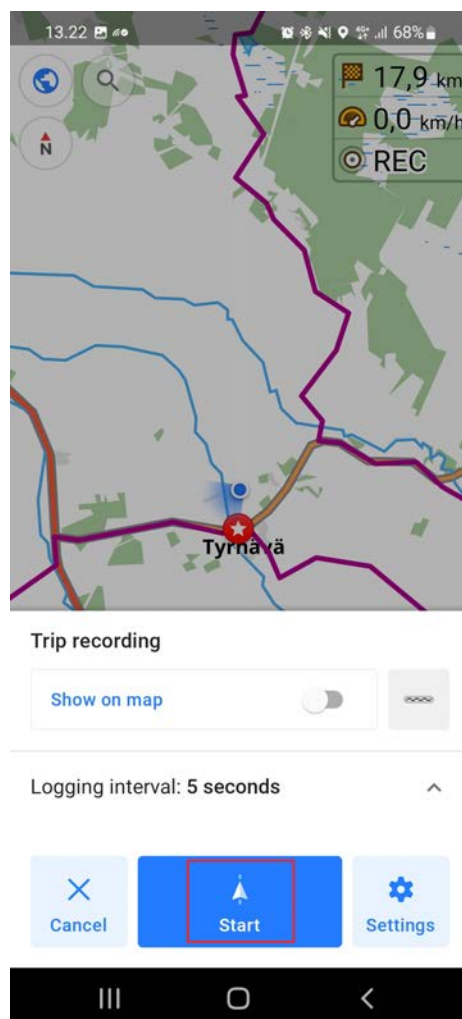


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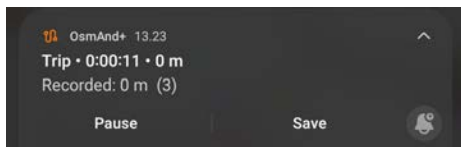
Once plugin is enabled there is new item in settings menu:



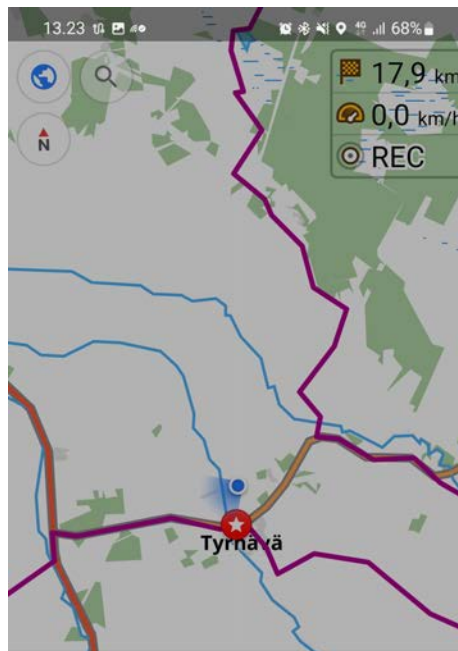
https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220913-132248_OsmAnd.jpg



https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220913-132259_OsmAnd.jpg



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220913_132323.jpg)



Track saved

GPX filename
2022-09-13_13-23_Tue

Show on map ☐

Close Open track

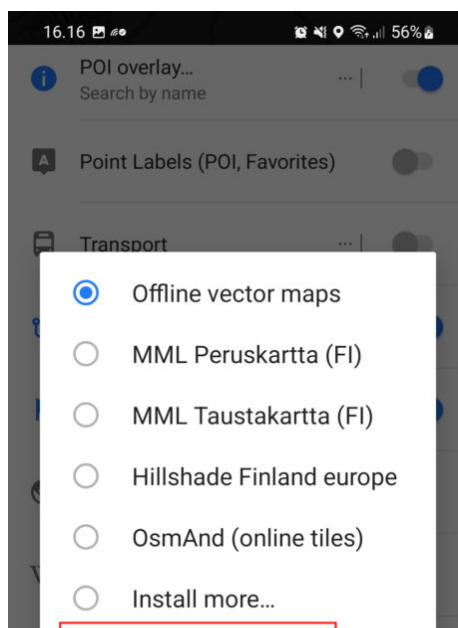
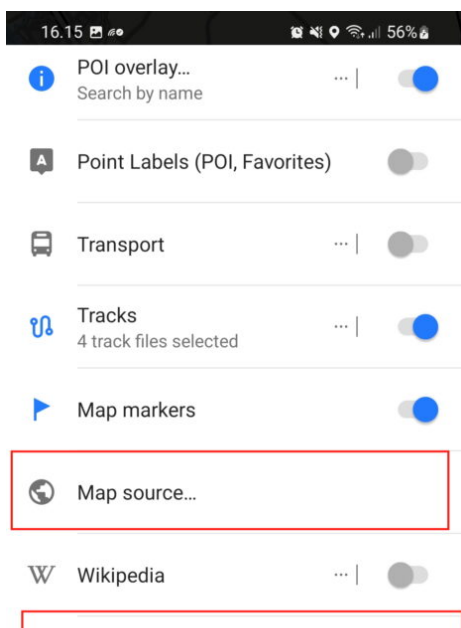


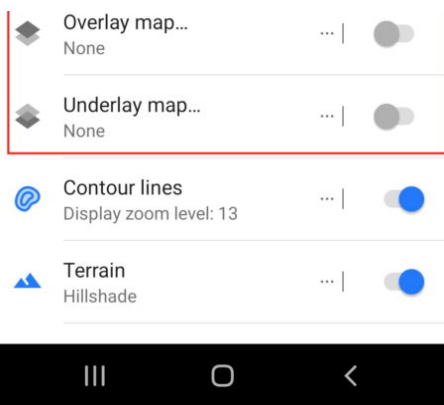
(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220913-132337_OsmAnd.jpg)

Click Start button and once you have done recording select save from notification bar. You can view recorded route in map by selecting show on map and open track.

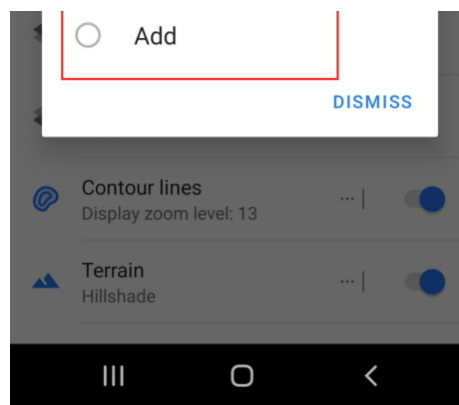
Change basemap

you might prefer other basemap than default osmAnd one. You can change suitable map from settings. Select Install more to easily install new maps or select Add if you have specific source for maps.

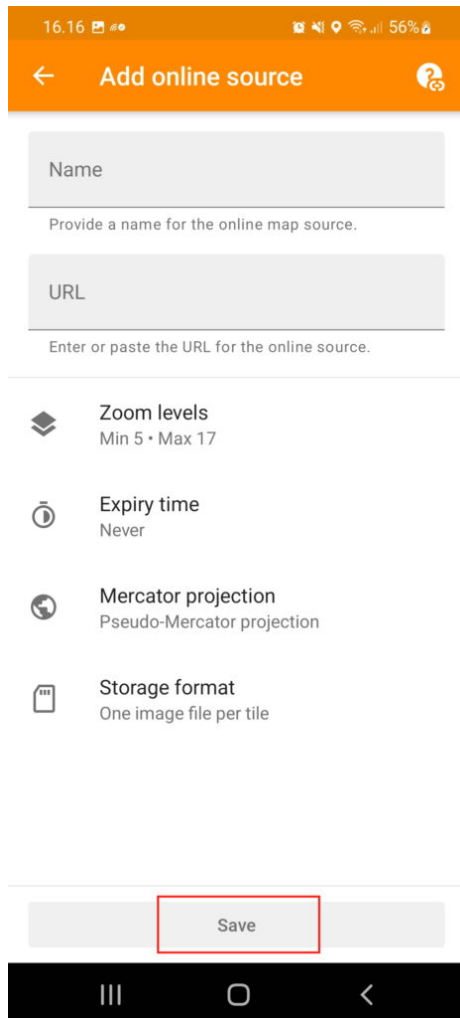




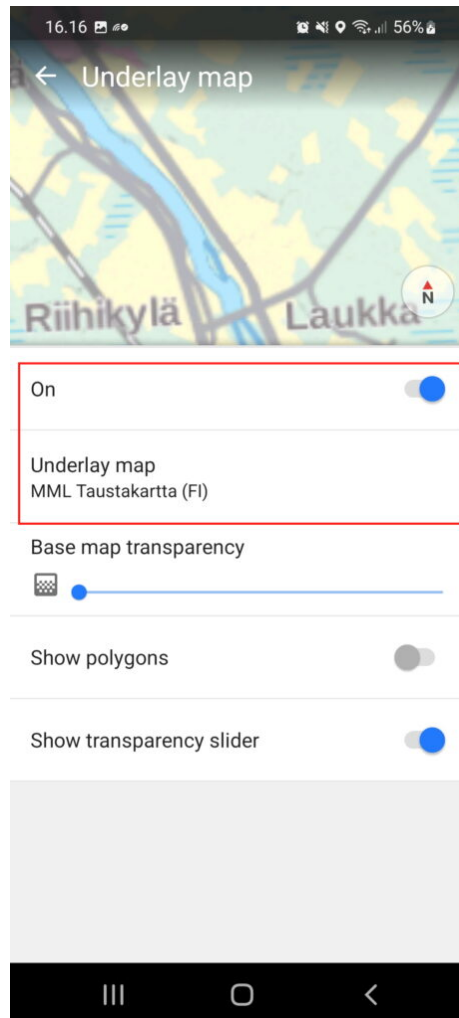
(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220914-161554_OsmAnd.jpg)



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220914-161602_OsmAnd.jpg)



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220914-161610_OsmAnd.jpg)



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220914-161640_OsmAnd.jpg)

It is also possible to set any map as underlay or overlay map. This allows you to mix good sides in several maps. I recommend to play with these settings to find exactly right settings for you. Usually default is good enough.

Bonus: Install OsmAnd Outdoor Explorer Plugin

Outdoor explorer Plugin allows you to see road surface. Information is taken from open street map so also contribution to it is pretty easy.

you can find this plugin and setup guide from here:

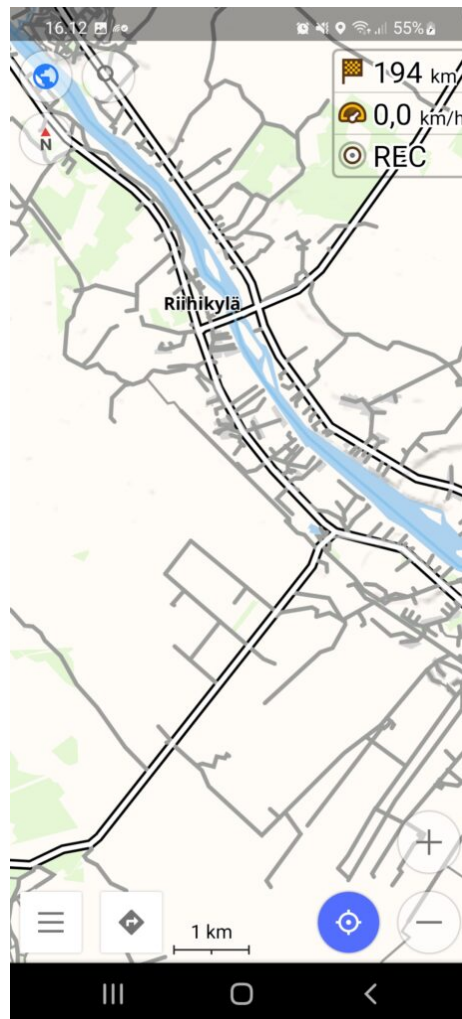
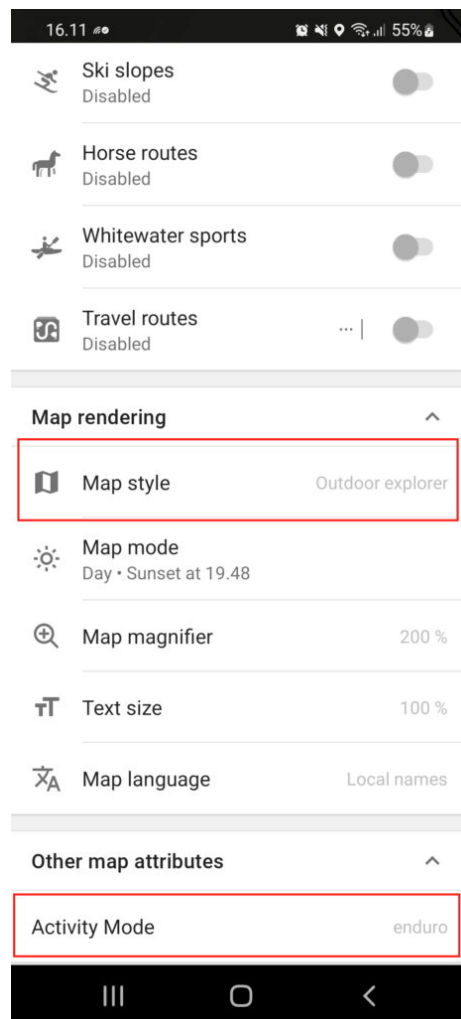
<https://github.com/cmoffroad/osmand-outdoor-explorer-plugin>

(<https://github.com/cmoffroad/osmand-outdoor-explorer-plugin>)

I noticed issue when I was trying to use Samsung own “My files” application to open plugin file, but when I installed [total commander](https://play.google.com/store/apps/details?id=com.ghisler.android.TotalCommander&hl=fi&gl=US)

([https://play.google.com/store/apps/details?](https://play.google.com/store/apps/details?id=com.ghisler.android.TotalCommander&hl=fi&gl=US)

[id=com.ghisler.android.TotalCommander&hl=fi&gl=US](https://play.google.com/store/apps/details?id=com.ghisler.android.TotalCommander&hl=fi&gl=US)) installation was ok.



(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220914-161133_OsmAnd.jpg)

(https://www.advseeker.fi/wp-content/uploads/2022/09/Screenshot_20220914-161250_OsmAnd.jpg)

Did I miss something? Let me know and I will add it here!

YOU MIGHT ALSO LIKE



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