

OSM2Style

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Introduction

In theory , to show an OpenStreet map on your Garmin, all you need to do is to convert the OSM into an IMG file.

In practice,only a default set of pois and highways and a very limited number of polygons will be mapped. This is because, the converter , mkgmap.jar , follows instructions included in style file : *points* for POS,*lines* for highways & other polylines, and *polygons*.

For more information on style files see:

How do I ensure all data is included in these style files?

The blunt answer is – you can't , unless you examine each osm file and check which type of POIs,highways etc it contains. To make this much easier, we've created OSM-StyleChecker.

OSM2Style

Load OSM

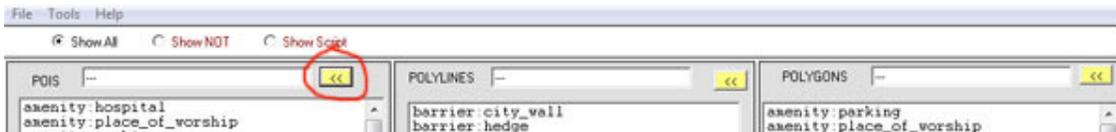
The program is designed to for OSM files with a maximum size of 12mb. Larger files could make the program unstable.

Messages “Please find a points” etc file will appear, meaning the program needs to know where your points,lines and polygons style files are.

Import Style Files

element	Style file
POIS	points
POLYLINES	lines
POLYGONS	polygons

Click the yellow << button to locate the appropriate style file.
Once found it will be saved for future reference.



When all the style files have been located, reload the OSM file.

Show All

Any element preceded with a “+” indicates that it has found a match in your style file.

Any element preceded with a “?” indicates that it has NOT found a match in your style file.

Any element preceded with a “#+” indicates that it has found a match in your style file and that currently it has been remmed out in your style file. To make it the element ‘visible’ delete the ”#”.

Show NOT

Click on this option to show only those elements which are not found in your style files

Show Script

Click this option to show the script for each element ; just copy and paste and insert in the correct style file.

Because they are all preceded by a “#” the style file will ignore them until you delete the “#”.

Example

```
#amenity=arts_centre[0xNNN resolution 21]
#amenity=courthouse[0xNNN resolution 21]
#amenity=vehicle_inspection[0xNNN resolution 21]
#amenity=college[0xNNN resolution 21]
#amenity=university[0xNNN resolution 21]
#amenity=dentist[0xNNN resolution 21]
```

These were listed in the POIS section.

Unfortunately, each has one crucial part missing, its type (0xNNNN)

You have to provide it with a unique number, not found in your TYP file.

This is a pain, but with *TypWiz*, you can easily find a unique type; it will do it for you.

Download TypWiz from www.pinns.co.uk/osm

Edit Scripts

Go Tools → Edit Script to change the default script for each element.

Style Help

For more information on styles: http://wiki.openstreetmap.org/wiki/Mkgmap/help/style_rules