
MapUploader 4

creating your own IMG files

vers 4.89

N Willink 25/6/2014

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Introduction

Windows 7/10 installation

Both windows 7 & 10 require administrative rights to save data.

For more details see www.pinns.co.uk/osm/windowsten.html

For any issues uploading to Basecamp or Mapsource see Registry Problems (p28)

What does mapuploader 4 do?

- You can create your own map for your Garmin device using OSM data.
- It provides a GUI for uploading osm maps to Basecamp or your gps.
Without a gui you need to be a DOS expert.
- It enables you to generate contours for most parts of the world
- It can check your TYP file against your style files

There are 2 modes:

Automatic

This requires no knowledge of mkgmap options and commands. Click on an option ,fill in the necessary fields and click the Create Map button.

We recommend this mode.

Manual

This allows you to load your own script.

In Settings click Advanced then tick 'Use own script'

Specify path of your your script file , ie by default it is:

<path> \mapuploader4\scripts/myscript.txt

Click 'Apply Script' button , bottom left .

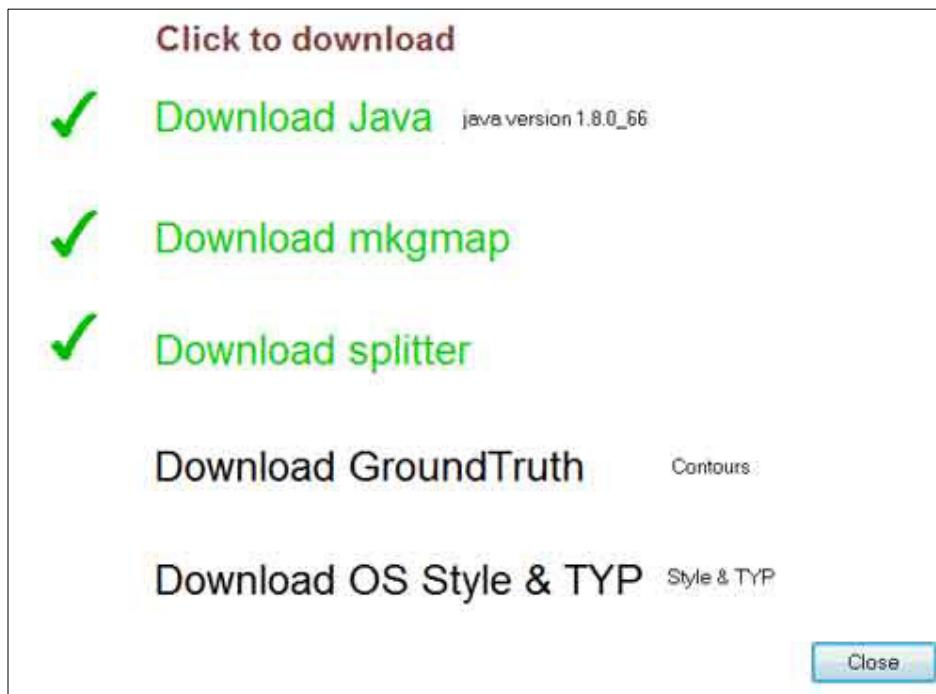
Please note : **your script is not checked for any errors ,conflicting FIDs or missing entries.**

What else do I need?

Download essential software

From the main menu bar go to Help --> Download Essentials

A green tick means the required item has been installed.



1) Java

You need to **download & install java** (free) from <http://www.java.com/en/download/index.jsp>

This is free. More than likely , it has already been installed previously.

2) *mkgmap*

Download zipfile containing *mkgmap.jar* (<http://www.mkgmap.org.uk/snapshots/>)

There are various versions; if the latest version causes a problem, download another version.

Name	Date modified	Type
doc	10/06/2014 15:41	File folder
examples	10/06/2014 15:41	File folder
lib	10/06/2014 15:41	File folder
LICENCE	10/06/2014 15:41	File
mkgmap.jar	10/06/2014 15:41	Executable Jar File
README	10/06/2014 15:41	File

Unzip and place in the same folder as mapuploader4.

Make sure you also include the Lib folder.

Because versions get updated fairly regularly is good practice to place all the mkgmap folders in one folder - ie *mkgmapversions*/

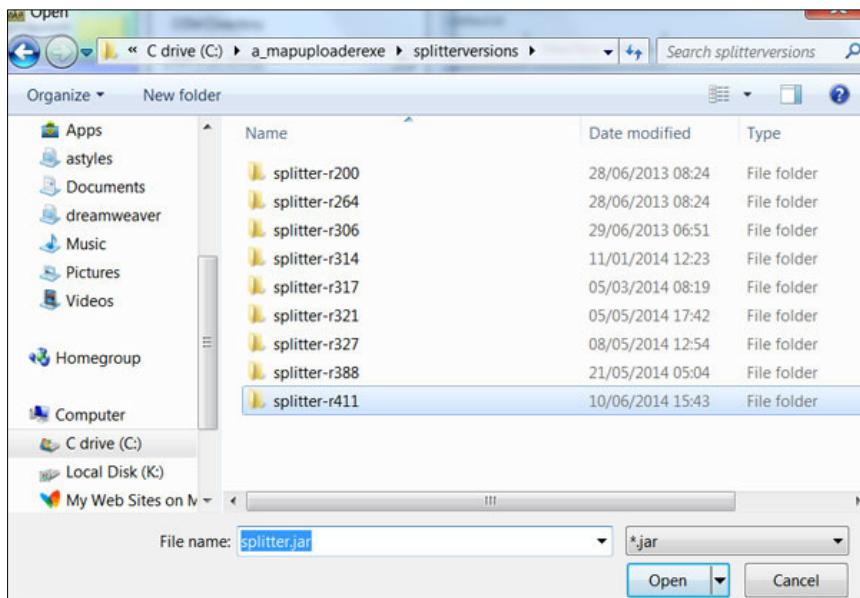
This also applies to Splitter - see below

└── mkgmap-r2748	11/10/2013 18:14	File folder
└── mkgmap-r2815	04/01/2014 12:00	File folder
└── mkgmap-r2943	05/01/2014 18:58	File folder
└── mkgmap-r2977	24/01/2014 18:02	File folder
└── mkgmap-r2998	03/02/2014 14:56	File folder
└── mkgmap-r3072	04/03/2014 22:08	File folder
└── mkgmap-r3089	07/03/2014 06:16	File folder
└── mkgmap-r3111	14/03/2014 17:51	File folder
└── mkgmap-r3116	18/03/2014 14:55	File folder
└── mkgmap-r3132	28/03/2014 08:15	File folder
└── mkgmap-r3280	22/05/2014 06:08	File folder
└── mkgmap-r3293	10/06/2014 15:41	File folder

3) *Splitter*

Download zipfile containing latest *splitter.jar* (<http://www.mkgmap.org.uk/splitter/>).

This could also be in the same folder as mapuploader4. Its even better to place it in a folder , ie splitterversions/



mkgmap.jar

This is needed to create your maps - ensure you have the latest update.

splitter.jar is needed if the osm file is too large for mkgmap to handle.

PLEASE NOTE: certain mkgmap.jars and splitter.jars may give errors when parsing pbf files.

If it does, download an earlier version.

Mapuploader needs to know where your jars are located - Settings --> All Settings see later

4) *a style folder*

This folder holds important files, ie lines,points,polygons,relations telling mkgmap how to create its map.

When you download mkgmap you will find a 'default' style in 'examples\styles' .

If you do not have any styles then copy the 'default' folder in the styles folder created by mapuploader4 or download our os50 style & TYP file.

Place all style folders, containing points, lines etc in the subfolder 'styles' located in the same directory containing mapuploader4.exe.

Reload mapuploader4 then select your file from the drop down combo box.

If in doubt go Settings--> All Settings

5) *a TYP file*

This file adds colour to your map and creates customized pois. You can use any version of **TYPwiz** to create TYP files.

Alternatively, **osmstyle2typ** creates a TYP file for your style, containing all the elements referred to in the style. Download from pinns.co.uk\osm

You can specify 2 TYP files , one for a gmapspp and one for Basecamp/Mapsource etc – see Two TYP files.

Checking mkgmap & splitter versions

From main menu go Help --> check mkgmap version or check splitter version

Checking for style errors

From main menu go Help --> check-styles

This will check your current style.

You must have latest mkgmap (2577+)

It highlights incorrect use of type numbers:ie

'Warning: routable type 0x07 is used for non-routable line with resolution 24. This may break routing. Style file lines, line 211 '

Explanation:

Certain numbers are reserved by Garmin for routing. If you used 0x07 for power lines then this could cause routing problems - more importantly, it is a waste of routing type.

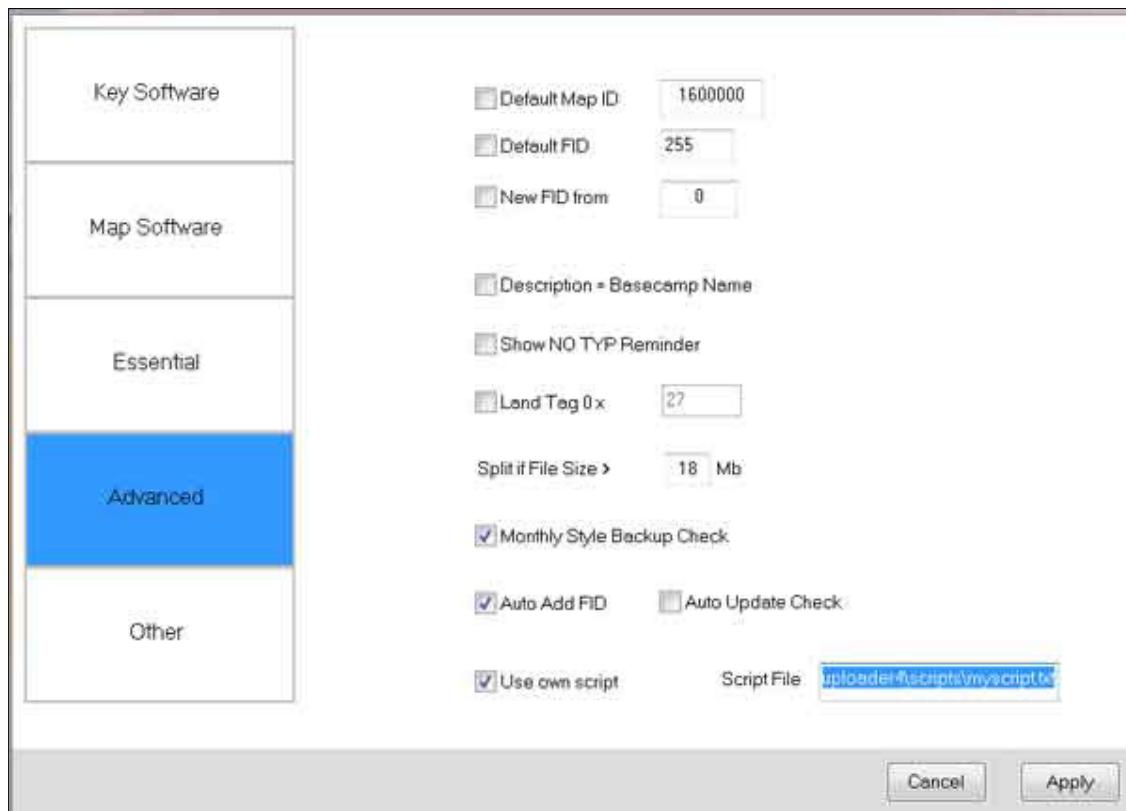
Most reliable types are from 0x1 to 0x13 then 0x15,16 & 17 (& 1A for ferries).

Settings

The program needs you locate your mkgmap.jar and splitter.jar

Go Settings --> All Settings

Click OK to save settings



You can also set locations for

style editor :ie notepad++
TYPWiz : typ editor
IMG2TYP : extracting TYPs from img (gmapsupp.img)
TDB Editor :tdb editor
Archive Folder



Set Splitter File Size

Some files do not require splitter - it is even advisable not to use splitter
The default is 10Mb . Any file size larger will require splitter.

Description & Basecamp name

Clicking this will ensure descriptions are the same as your basecamp name.

Default Map ID

With Mapuploader4.89+ this has been removed from Settings. Instead click the 'lock' icon next to



the map id to unlock or lock it – same applies to the FID
It is possible to always give your gmapsups the same map IDs -
this has advantages on modern gps devices in that all address
searches are linked to the same map id.

However, a **word of caution :**

If you have two or more gmapsups with the same map ID , ONLY ONE WILL SHOW in the list of available maps ! Use the Conflict Detector Tool from Tools to check if there is a conflict.

New FID from

As more and more maps are published more FIDs are 'reserved' for official TOPO use.
To make sure your files do not clash use this option and set to a higher number.

Monthly Style Backup Check

Tick this option if you want to be reminded monthly about backing up your style(s).

Add extra commands

When clicking Create Map or Splitter you may want to include some additional commands

From the main menu Go Options --> mkgmap Options

Or

Click the 'No options' button.



If options are set then text is changed to 'check options'



Possible mkgmap Options

With **mkgmap** you could put

```
--show-profiles=1  
--housenumbers  
--pois-to-areas-placement  
--link-pois-to-ways  
--adjust-turn-headings=1  
--process-destination  
--process-exits  
--precomp-sea=seatiles # directory where tiles are kept
```

anything following the # will be ignored

you could also include mp files ie

```
C:\a_mapuploader4\contours\22222222.mp  
C:\a_mapuploader4\contours\22222223.mp  
C:\a_mapuploader4\contours\22222224.mp  
C:\a_mapuploader4\contours\22222225.mp  
C:\a_mapuploader4\contours\22222227.mp  
C:\a_mapuploader4\contours\22222226.mp
```

In this case mp files are not split but added as separate imgs

under **splitter**:

```
--geonames-file=cities5000.zip
```

any spaces will be ignored.

Each command needs to be on a new line.

For more information about mkgmap options go Help --> Show Mkgmap Options

for splitter go Help --> Show Splitter Options

TIP

If you are using multiple pbf files refer to them in the **splitter** section : ie

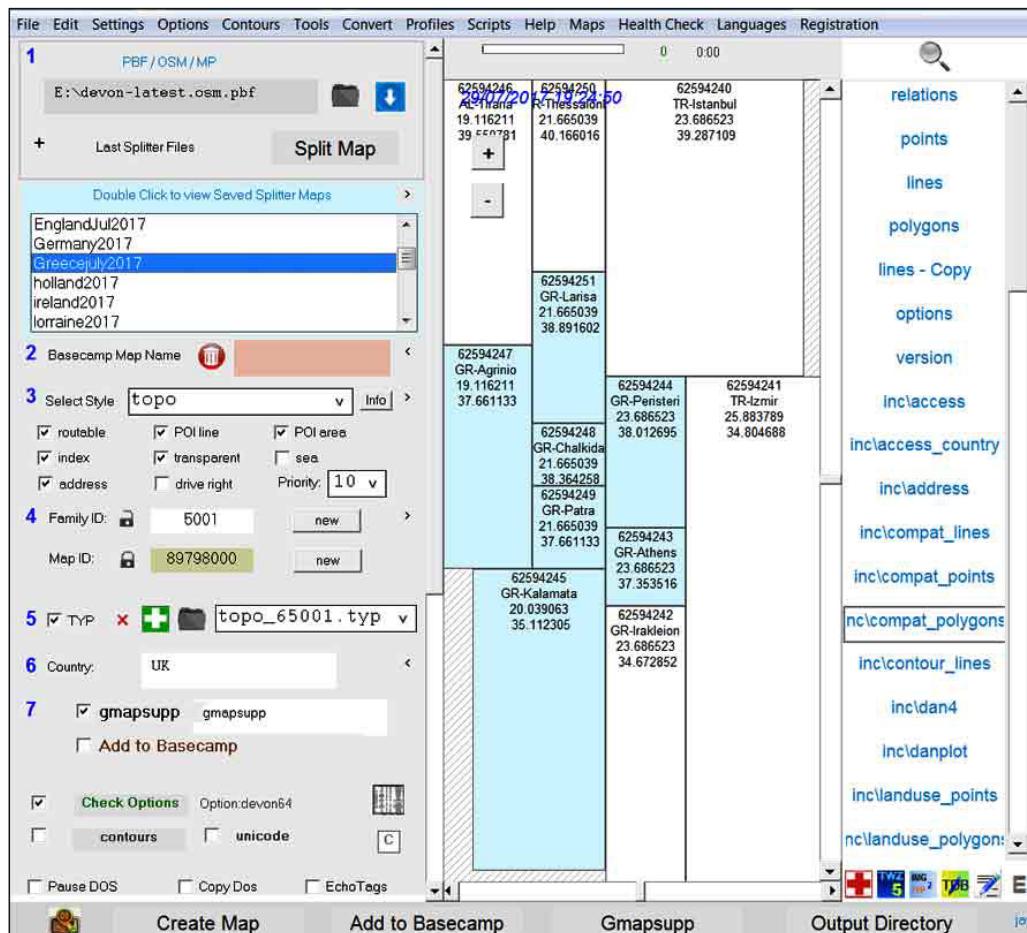
```
--geonames-file=cities5000.zip  
K:\osmosis\bin\england.osm.pbf  
K:\osmosis\bin\wales.osm.pbf  
K:\osmosis\bin\scotland.osm.pbf
```

Click Splitter and your (3) pbfs will be split.

Next, click Create Map and

Creating a map

1 How to download an osm map



We suggest you download a reasonably small country first , for example Luxembourg

Download from geofabrik.de , ie

Click Tools --> Download from Geofabrik

<http://download.geofabrik.de/openstreetmap/europe/luxembourg.osm.pbf>

Once downloaded there is no need to 'unzip' it as mkgmap will do this automatically (the lib folder contains the relevant library).

Click on the grey folder button to load the osm file.

map directory

By default this is set to c:\garmin\maps ; all mapsource maps are placed in a subfolder located at c:\garmin\maps. Registry problems often occur when the map directory is set differently .

So , if you call your map '**my_country**' the files will be located in :

c:\garmin\maps\my_country

You can access this directory by clicking the '?' button

gmapsupp directory

All gmapsups can be found in a subfolder \gmapsupp located in the same folder as mapuploader4.exe.. Click the Locate Gmapsupp button.

java memory

By default this is set to 1024 , ie java -Xmx1024m -ea -jar

Just change the numbers in the 'memory' box.

- 1a** set FID of map , bit like a serial number - typ files require the same FID.
set priority of map , only useful if you have multiple maps.

- 2** Make sure you have selected your style, ie 'default' or any other style.

Tick all the options you need:

- routable this makes your map routable but depends on your style
- index this allows for searches
- transparent this makes the map transparent
- address this enables address searches depending on your style
- POI line this creates POIs for lines depending on style
- POI area this creates a POI for polygons depending on style
- sea this creates sea polygons - some flooding may occur
- drive right tick this if you drive on the right in your country
- Unicode tick this to add unicode characters to your map but see below !

You can download our os50 style which also includes a matching typ file,os50.typ

- 3** IF you have ticked upload to Basecamp then you need to provide the name as seen in Basecamp. In our example, tick 'upload to Basecamp and give it a name, ie luxembourg

You can leave the overview name blank . This name is used to define your folder

4 point to your TYP file

You can download the TYP default.typ to match the default style
You can download the TYP default.typ to match the default style

5 Add a description related to the map ;

This gets used when creating a gmapspp - see below

Country

Enter the name of your country. Useful when you have ticked 'address'.

gmapspp

Tick this if you want to bypass Basecamp and create a gmapspp which can be copied to your gps.

You can give the gmapspp a different name. When created click the 'Locate Gmapspp' button.

Please note:

For those with fairly modern gps devices it is possible to obtain 2 descriptions for your map, viewable when you select a map :

Description 1 (large) - name of gmapspp

Description 2 (small) - your description

Give your gmapspp a name like : Map of Luxembourg

This will create 'Map of Luxembourg.img' when you click locate gmapspp.

template.args

Tick this if you have split the osm using splitter - see below

Unicode

When you click the Unicode option mkgmap creates a map with labels showing Unicode characters, ie Greek, Arabic, Chinese, Russian etc

IMPORTANT NOTE !

Selecting this option could create maps which are incompatible with your GPS device, particularly if you have a fairly new device.

There are no problems with older devices, Basecamp or Mapsource

Create Map

Finally, click Create Map. A bar chart gives some indication of progress made . The last file contains address information if this address option has been set. As it takes data from all the img files, the more imgs to longer it takes.

If it can't find mkgmap.jar then go Settings --> All Settings and locate mkgmap.jar

If it can't find the style then check if you have place 'default' in the mapuploader4\styles folder.

After a 30 scs the Upload to Basecamp button will turn green

Click Yes, if you want it to be uploaded to Basecamp.

It has created a luxembourg subfolder in your map directory containing all the essential files, including a copy of your typ file, if specified, with the correct FID.

Basecamp

Click the little basecamp button to load basecamp - locate the program in Settings --> All Settings.

Basecamp should be found in :

c:\Program Files (x86) /Garmin/Basecamp

or

c:\Program Files/Garmin/Basecamp

Using Selected Splitter files

When you split a map splitter creates smaller pfd files.

They can be saved under a group name

Double click on one of these groups to show all the 'smaller' maps.

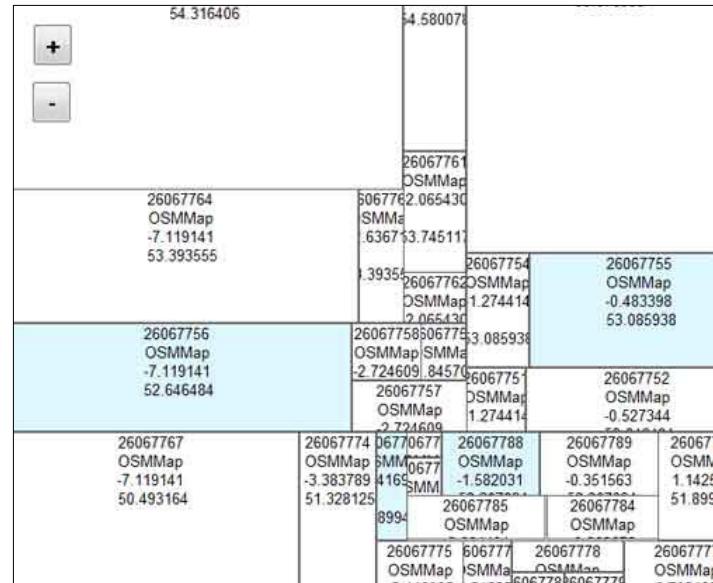
When this frame is highlighted (light blue), your selection is used when clicking on 'Create Map'



To save your temporary splitter files go File → Save Splitter Files.

There are 3 options:

- a) Select your Tiles individually
- b) Go Edit → Select All
- c) Edit → Deselect All



Removing Saved Splitter Files

From the main menu go File → Delete Selected Arg files.

Select the group you want to delete and click ‘Delete’.

TYP files



Original TYP file is used for Gmapsups
only IF the Basecamp/Mapource option has been ticked

Extra Options

If the 'Include Options' checkbox is ticked the + sign is coloured green else it is red.

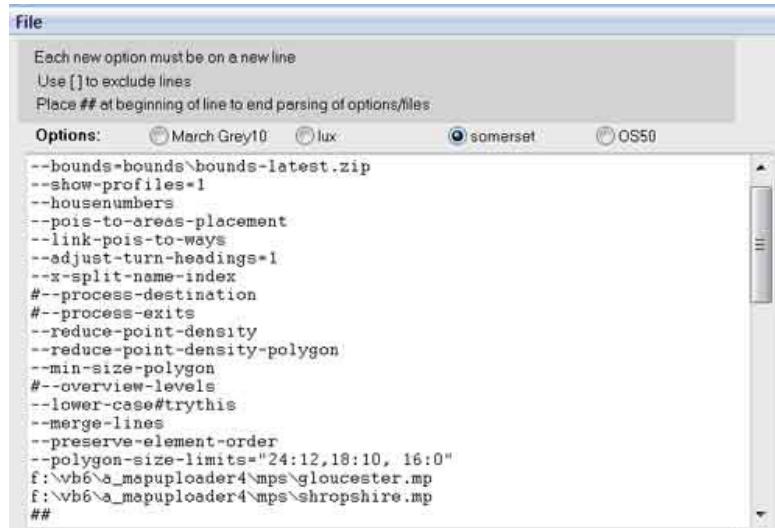
Place one # in front of the a line to ignore the line

Place ## at the beginning of the line to indicate end of list - ie any lines after ## will be ignored.

Use [] to exclude code within brackets ie

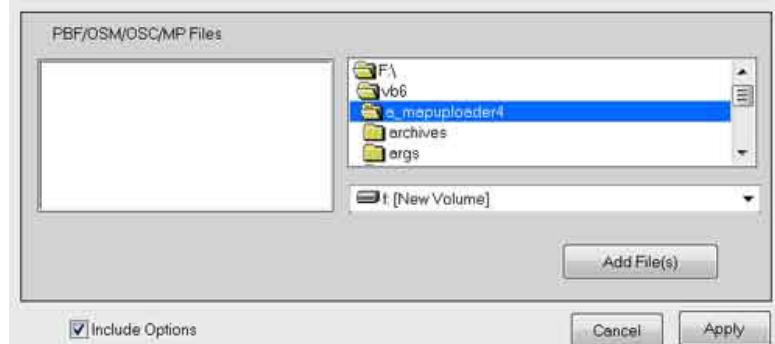
```
[  
F:\vb6\a_mapuploader4\mps\SS_Building.mp  
F:\vb6\a_mapuploader4\mps\SS_Buildingline.mp  
F:\vb6\a_mapuploader4\mps\SS_Buildingline_.mp  
]
```

'[' Bracket must be at the beginning of a line and ']' at the end or on a new line.



Click Apply to apply your changes.

You can add extra osm files or contour files (.mp) created using our Create Contours option from the main menu bar - see Creating Contours.



Adding Extra Splitter Files

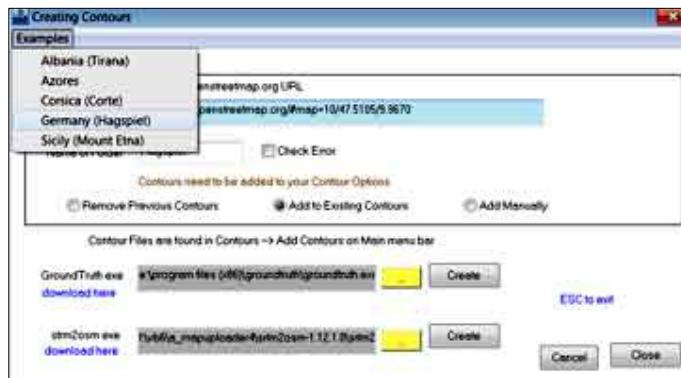
To include a selection of splitter files select your archive from the green combo box and click 'Select Individual Files'.

This might come in handy if you always want to include extra maps in addition to the current (split) maps

Creating Contours

From the main menu bar click Contours --> Create Contours

PLEASE NOTE SINCE 2017 both ground truth and str2osm use an incorrect url to obtain their heights. Unless new versions are available you will not be able to create contours!



There are two options

- GroundTruth (feet only)
- Str2osm (feet and metres but slow and produces larger files)

Dowload latest version.

Both programs need to be downloaded and do not come with mapuploader4.

Click on the blue 'download here' label to launch the download page.

Click on the yellow button to save the path.

Copy an Openstreetmap.org url from anywhere in the world with zoom levels >6

ie

<http://www.openstreetmap.org/#map=11/50.4864/-3.5837>

and paste it into the lightblue text box .

Next , specify the folder name , ie Albania - this means all the contours are created in this folder, ie

<your path>\contours\albania

There are 3 options :

- New List
- Add to Existing Contours
- Add Manually

New list will REPLACE your contour list (brown) with a new one - it does not delete the mp files!

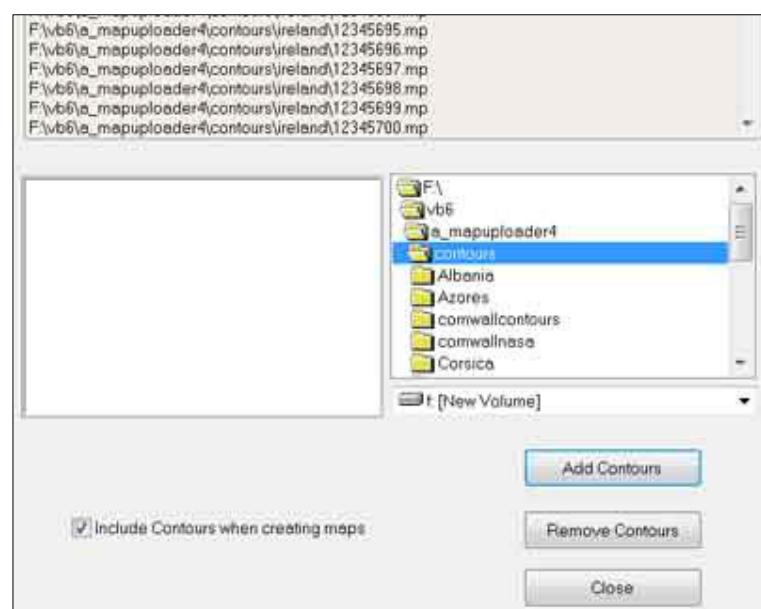
Add to existing Contours - this will add to the existing mp files found in the list

Add Manually - Click the Contours Option button and search for your folder, ie Albania.

Double click on the files you want to import

Mapuploader comes with several examples

- Albania
- Azores
- Corsica
- Hagspiel Germany
- Sicily



Click on anyone of them and the required url will be pasted into the light blue box

Click Create

You can download the osm map of Sicily and Hagspiel from our mapuploader4 webpage.

Note:

Groudtruth produces small mp files and quickly , too. Unfortunately mkgmap cannot convert the metric data into feet – even if Groundtruth is programmed to convert data to feet Garmins metric conversions are not rounded to the nearest ten/hundred.

Strm2osm is a great piece of software which *methodically* converts NASA's height data into osm, from 10 m to 800+m depending on the area. This may take some time, a very long time.

We have also tuned strm2osm to produce more accurate results.

We suggest you experiment with OSM zoom levels around 9.

Profiles

Profiles can be useful if you are creating maps with different styles and TYP files.

Select Style		Select TYP	Select Option	MAP ID	FID	SET
<input checked="" type="radio"/>	topo	topo_65001.typ	devon64	89798000	5001	+
<input type="radio"/>	feb2017	grey652017n.typ	seprtGrey10	11111111	142	+
<input type="radio"/>	os50curoct	os50_2017_65001.typ	OS50	22222222		+
<input type="radio"/>	topo	topo_65001.typ	somerset	33333333		+
<input type="radio"/>	topo	topo_65001.typ	no contours	44444444		+
<input type="radio"/>	topo	topo_65001.typ	cornwall	55555555		+
<input type="radio"/>	topo	topo_65001.typ	lux	66666666	456	+
<input type="radio"/>	topo	Topo OSM.TYP	somerset	77777777		
<input type="radio"/>	default	mapnik65001.typ	seprtGrey10	88888888	142	
<input type="radio"/> No Profile		Remove Settings		Cancel	<input type="checkbox"/> Use Current Settings	Apply

Click on an option and then click Apply to select your option. The option is show on the main windows title bar.

Create a profile by RIGHT clicking and select style,TYP file or Option.

Enter values for Map IDs or FIDs

<input checked="" type="checkbox"/> routable	<input checked="" type="checkbox"/> POI line	<input checked="" type="checkbox"/> POI area
<input checked="" type="checkbox"/> index	<input checked="" type="checkbox"/> transparent	<input type="checkbox"/> sea
<input checked="" type="checkbox"/> address	<input type="checkbox"/> drive right	Priority: <input type="text" value="10"/>

Tick 'Use Current Settings' then apply IF you like to include your current settings like routable etc.

It also includes map description ,name of country and the lock value for map ids and fids

Removing from Registry

From main menu go --> Registry

Double click on an entry.

You are given 2 options:

1) remove from registry

2) delete all files in the folder

Caution: files can not be undeleted.

Installed Maps				
	Map name	ID	TYP	FOLDER
FAMILY_4566	normandy	4566	04566	C:\garmin\normandy\
FAMILY_6393	openmtbmap_great-b...	6393	tradgb	C:\Garmin\openmtbmap\great-britain\
FAMILY_6423	openmtbmap_luxem...	6423	hikelu	C:\Garmin\openmtbmap\luxembourg\
FAMILY_7393				
FAMILY_7423				
FAMILY_772	GPS Topo 6 Alsace ...	772		C:\Program Files (x86)\Garmin\FAMIL...
FAMILY_7800	map3d	7800		C:\mymaps\3d\
FAMILY_789	belgian	789	0789	C:\Garmin\FAM...789\
feb28	feb28	2690	4ndw	c:\garmin\mymaps\uk\feb28\
France Topo 5 ...	Topo 5 ile de France	2101	new	C:\Garmin\France Topo 5 ile de Fra...
France Topo 6 ...	Topo 6 Alsace Lorr...	2111	2ndw2	C:\Garmin\France Topo 6 Alsace Lorr...
french_contours	french_contours	6579	2ndw2	c:\mymaps\uk\french_contours\
Global Applicat...	Global Application B...	2041		C:\Program Files (x86)\Garmin\Maps\
jan31	jan31	2660	z4ndw	c:\garmin\mymaps\jan31\
jan4	jan4	4428	z4ndw	c:\garmin\mymaps\jan4\
june26	june26	5941	april_6mw	c:\garmin\mymaps\june26\
june5	june5	383	april_6mw	c:\garmin\mymaps\june5\
MapSource Te...	MapSource Topo Ne...	802		k:\garmin\family_802_holland\
mar1_2014	mar1_2014	3687	4ndw	c:\garmin\mymaps\uk\mar1_2014\
may1	may1	2034	april_6mw	c:\garmin\mymaps\uk\may1\
may26	may26	1724	april_6mw	c:\garmin\mymaps\may26\
may31	may31	7054	2ndw2	c:\mymaps\uk\may31\
nov1	nov1	1206	4ndw	c:\garmin\mymaps\nov1\
nov30	nov30	2862	x4ndw	c:\garmin\mymaps\nov30\
oct6	oct6	3193	4ndw	c:\garmin\mymaps\oct6\
Onroute_Fietsk...	Onroute Fietskaart N...	79	m000004f	c:\garmin\maps\Onroute_Fietska...
Openmaps	OMP Austria 3D	66	omp3	C:\Garmin\Openmaps\
OpenmapsHiking	Openmaps Hiking map	60	i0000060	C:\Garmin\Openmaps\
OZtopo V5.0	OZtopo V5.0 Demo	408	oztopo	C:\garmin\ozzie\
poland	czech	573	05621	c:\mymaps\polandi...
product	Tepe Deutschland (N...	535	2ndw2	c:\mymaps\uk\product\
romandevo	romandevo	3778	roman	c:\garmin\mymaps\romandevo\
		13236		

Style Doctor

Mapuploader4 reads TYP files and matches the existence of its elements with those included in your styles.

TYP and Style file

- It highlights any highways,polygons & pois which are used in your style file but NOT in your TYP file.
- It reads the draworders of your polygons and checks it for transparency - polygons with transparency and a draworder <2 may not appear correctly!
- Creates a printable report
- It reads all files, even those include in an 'INC' folder. List is show on top header.

Draworder Min : Any polygon is highlighted if it has a draworder below the minimum set.

The screenshot shows the 'jan2014' tab selected in the top left. On the left, there's a sidebar with buttons for 'Check TYP & Style' (highlighted in pink) and 'Check Style'. Below that are buttons for 'Road Class', 'Places', 'Resolution', and 'Levels'. At the bottom left is a 'Custom Reports' section with 'Search' and 'Check' buttons. The main area has three dropdown menus: 'polygon : -', 'line : -', and 'point : -'. Under each is a 'see types' dropdown. The central part of the screen displays a table titled 'POLYGONS REPORT' with columns 'Comment', 'Filename', and 'include: a) inc/address'. The table lists numerous polygons with their IDs and properties, such as 'building=* & mkgmap:country=LUX', 'landuse=allotments', etc. Below this is a section titled 'FOUND IN TYP FILE BUT NOT IN STYLE' with similar data. The entire interface is contained within a light gray border.

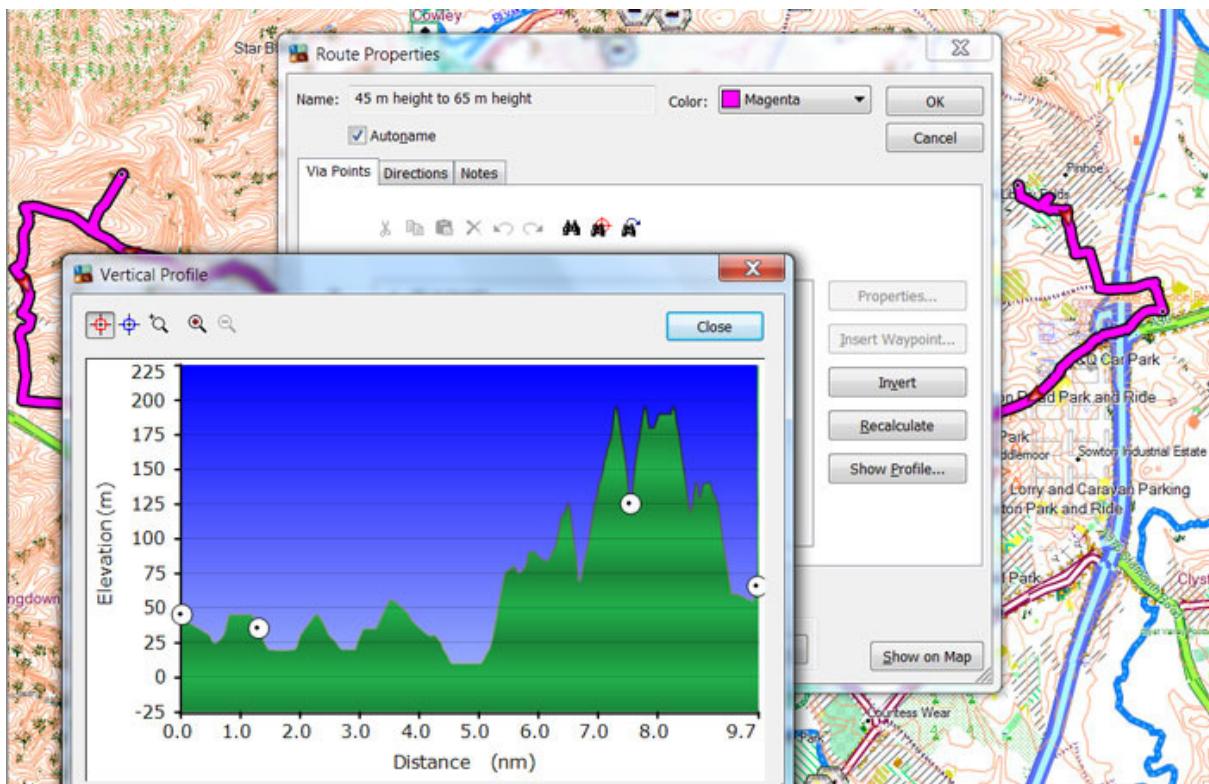
Style Check

- Road Class -As far as possible it checks for any possible routing problems
- Places - Creates a list of all references to place=
- Resolution - Creates a list of sorted resolutions
- Levels - Creates a list of sorted Levels
- mkgmap - Creates a list of any reference to mkgmap:
- name - creates a list of any reference to name
- add - creates a list of any reference to 'add'
- set - creates a list of any reference to 'set'

Map with Contour Lines

If you have included contour lines then Basecamp can show profiles of routes. However, it needs to be told by having flag set in the tdb file.

To do this you need to include : --show-profiles=1



If you are using the autocreate option then add the above command to mkgmap :

Settings --> Extra Options

Notice the Show Profile button is enabled.

Splitter

Use the yellow << button to load the osm.pbf file and click the blue Splitter button.

If it can't find splitter go Settings --> All Settings and locate splitter.

max nodes

Splitter splits large osm.pbf files into smaller ones. Depending on your PC and the country you may need to reduce the number of max nodes to say 800 000 for countries which are densely plotted.

Max Nodes	1600000
Max Areas	255

max areas

Again, if splitter throws errors, reduce this number.

Splitter creates new osm.pbf files and a template.args file for mkgmap.

You do not need to know anything about this file.

Once created you can now create your new map BUT click the Template.args button as well.

Creating maps from large osms can take up to 20+ minutes!

Using KML & GPX files

You can use gpx or kml files as part of your OSM maps.

Mapuploader4 comes with two tools to convert routes/highways found in gpx or kml files to a file type understood by mkgmap, ie .mp

Tools → Convert KML to MP

Tools → Convert GPX to MP

Files are created in
<mapuploader4> \mps
folder

Uses:

Many public
footpaths/streets are
available as gpx or kml
and can be added to your
map without having to be
plotted in Openstreetmap

The tool allows for 2
different types.



Above an example of official footpaths (striped yellow red 0x100f05) being added to a map as an mp file.

Google: public rights of way kml etc

Google : prov kml (UK only)

PLEASE NOTE: RECOMMENDATIONS

Upload to Mapsource

The Upload to Basecamp button or Locate gmapsupp will appear **GREEN** when all necessary files have been created. This only happens if you do not exit *mapuploader4*

Even if you exit *mapuploader4* and load it again you can always check if the files have been produced by clicking Upload to Basecamp or Locate gmapsupp buttons.

Some pbf files are large and when split using splitter mkgmap is sometimes struggling to create the address files for Basecamp

Registry Problems

In W10 (not surprisingly!) you may encounter a problem uploading your maps to the registry .

- 1) Ensure you run mapuploader as administrator
- 2) Make sure your map target directory is **c:\garmin\maps** (see Settings→Essential)

The quickest fix is to download and install our free Devon Map as this will provide the necessary privileges for all future uploads. You can always uninstall the map afterwards.

Download map at:

www.pinns.co.uk/devon/devonmap.html

Errors

mkgmap is notoriously vague about errors

there are 3 types of errors

- 1) errors in style files
- 2) error caused by lack of memory
- 3) errors because of wrong version of mkgmap or splitter

style errors

Generally, there is some indication as to where the error is located.

To see the error more clearly click the Pause DOS option bottom left.

memory errors

Reduce the memory value as mentioned before or locate the run.bat file by clicking the 'Locate run.bat' button and dbl click it outside mapuploader.

Deleting maps

Go Registry to locate the map you wish to remove from Mapsource/Basecamp

Please note: this only removes it from the registry. The subfolder containing the files is not deleted, but there is an option to do so.

Archiving maps

You can only archive non TOPO maps.

From the main menu go Maps → Archive Garmin Map Products

Select a map and click Archive button.

By default maps are moved to [mapuploader4 path]\archived

This can be altered in Settings → Essential .

How to reinstall maps

You normally click on a .reg file to reinstall maps. However, since maps are now in a different folder the original .reg file cannot be used unless you move all files to the original folder – the .reg file gives a clue as to where they were originally.

There are 2 options

- 1) move files to original folder and click on original .reg file – we recommend this option
- 2) double click on _new.reg . This will reinstall your maps ; however, they are now pointing to your archives folder and therefore cannot be 're-archived'

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