

How to edit TOPOs

Part 2

TOPO France V3

(c) N Willink 2014

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Introduction

This TOPO contains a great deal of map information - a lot of it is hidden , ie invisible.

Much of what is written here can be applied to other TOPOs.

To change any colour, size etc of all the mapping elements you need to work on its TYP file.

So, to work on a TOPO, look for a filename ending .typ

Finding the TYP file

Good news:

It is pretty straight forward to edit a TYP file - we are using TYPWiz4.

Bad news:

If the TYP file is not found on your PC then you can extract it from a large file using various tools like gmaptools or gmap2typ but you can not easily replace it, ie put it back again.

We are using Basecamp so we can quickly see the effect of changing the TYP file.

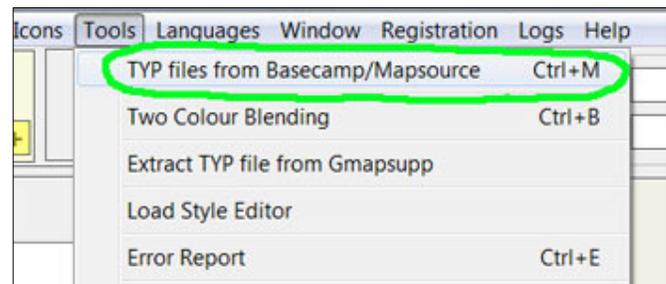
Our typ file is located in the

'c:\programdata\garmin\maps\topofrance v3Pro' folder

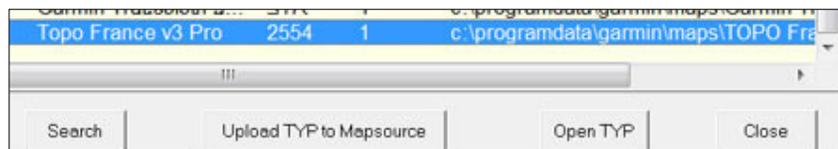
How to load your TYP file

We assume that you have some knowledge of how to obtain the necessary TYP file for this topo .

1) In TYPwiz 3 & 4 go Tools --> TYP files from Basecamp/Mapsource.



2) Click on TOPO France v3 and click 'Open TYP'



Note : When saving, both TYPWiz 3 & 4 make a copy of any topo files before it saves your changes.

What can we change?

- Make Street Names Visible
- Change size of Font & colour of Font
- Change size and colour of Names of towns,cities etc
- Change the colours & width of highways / lines
- Change the bitmap of lines
- Change the colour ,size and bitmap of POIs

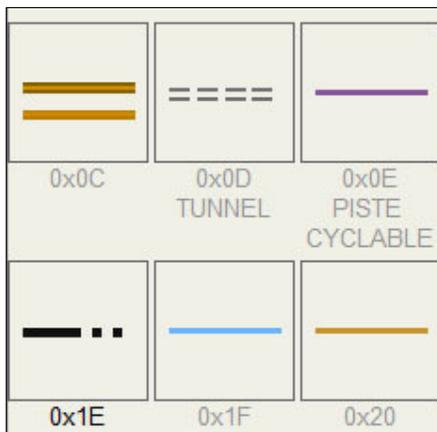
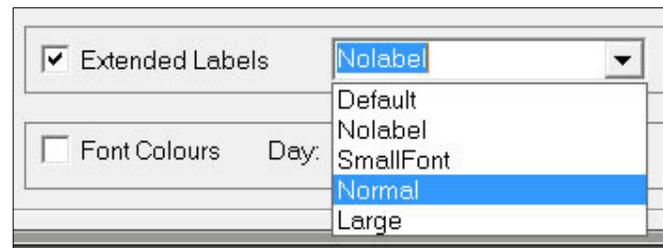
Making Street Names Visible.

For reasons unknown many rivers & streams and many highways in the TYP file have had their fontstyles set to NoLabel.

This renders them invisible. So the solution is simple: Edit their FontStyles and change them to , say 'Normal',

Garmin does not support numerical fontsizes:

You are lumbered with small, normal or large!

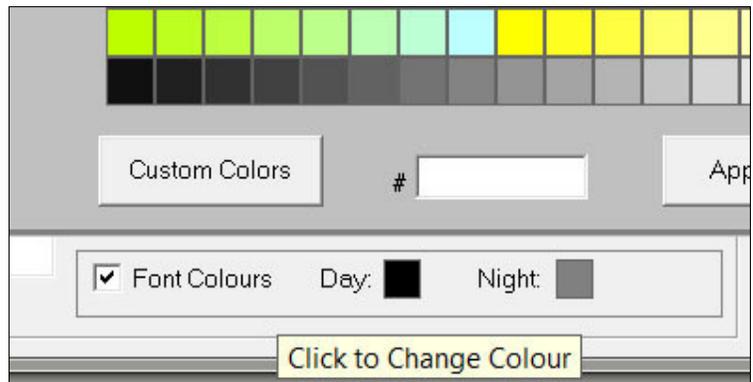


TYPWiz 3 & 4 clearly shows any element with fontstyle set to NoLabel by greying out the label.

Changing Colour

If you wish you can set the colour of highways, polygons and pois.

Tick Font Colours and double click on Day



Change size and colour of Names of towns, cities etc



This topo uses types 400 - 1F00 at a low- medium zoom level .



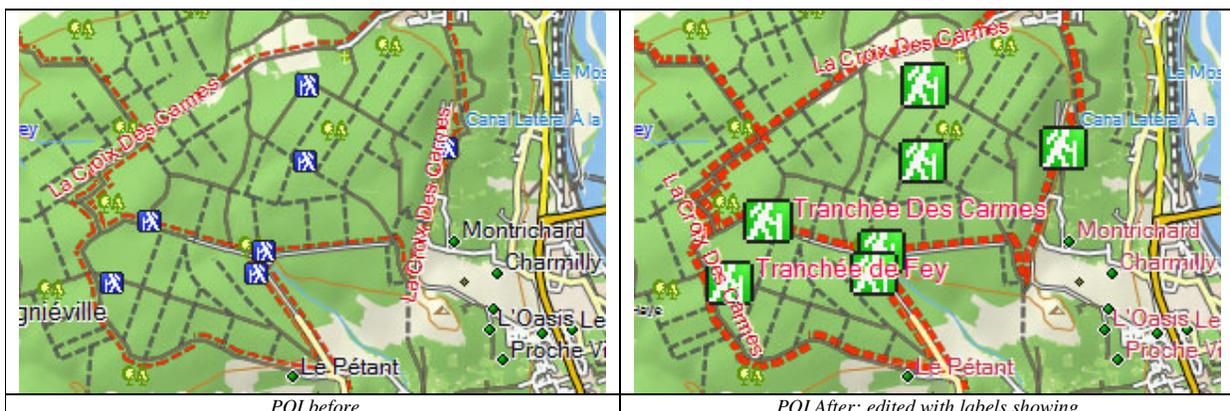
Higher numbers are used when you zoom in.

Changing POIs

We have changed the 'walking' poi as it is rather small.

Some pois, used by the TOPO , cannot be changed as they are 'built' into the firmware.

If a poi appears in a TOPO , then it can be changed ; if it doesn't and yet it appears on the map we need to conjecture its type number.



What you can do

You can change all pois, their colour,sizes, fontsize & fontcolor
You can add transparency if need be

What you mustn't do

Do not change type number: if you do, some POIs won't show, or appear in a default style'

Changing Highways

There are several unusual entries in this TYP file which are easily missed

waterfalls,bulkheads,retaining walls & slopes



What you can do

You can change all lines, their colour,thickness, fontsize & fontcolor
You can change from lines with bmp to lines without bmp or vice versa

What you mustn't do

Do not change type number: if you do, some lines won't show, or appear in a default style'

Changing polygons

A lot of care has gone into merging various colours in this TOPO

What you can do

You can change all polygons, their colour, fontsize, fontcolor,
You can change from bmp to non bmp or vice versa

What you mustn't do

You must not change draworder - if you do, some polygons won't show.
Many new TOPOs do not use draworder .

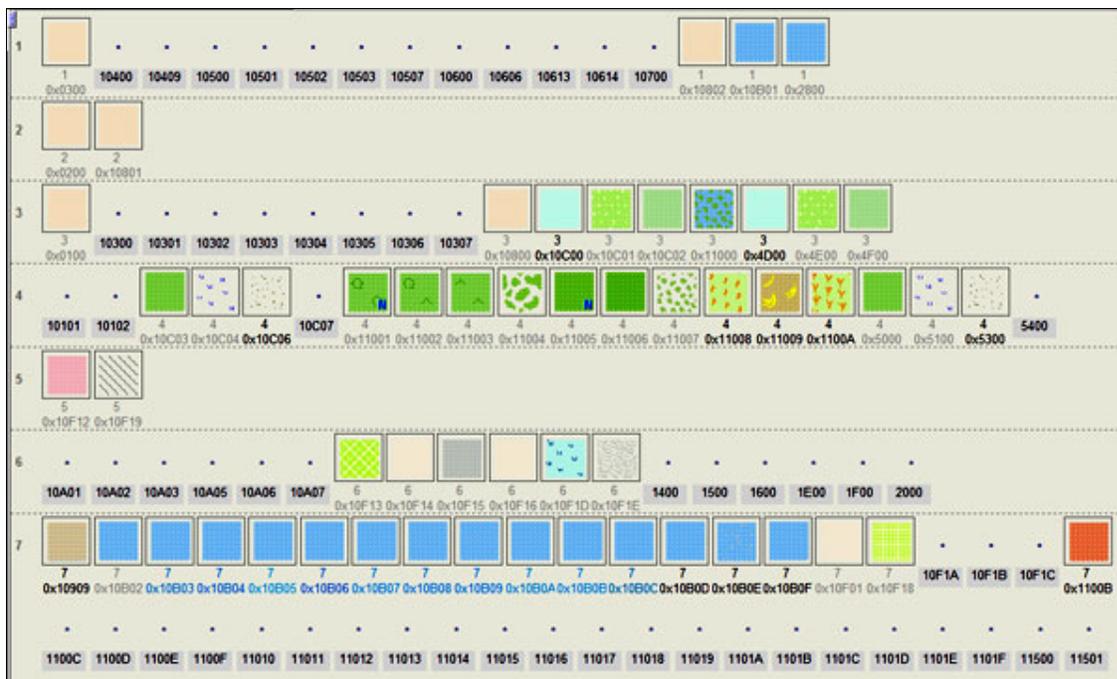
Do not change type number

Editing 'extra draworders'

The typ file shows many 'stand alone' draworders , ie these are not linked to any polygons found in the typ file. Latest TYPWiz4 shows them quite clearly.

What you can do

They could provide a draworder to a default polygon. Removing them does not seem to make a difference, but this needs experimenting.



Active Routing

This TOPO has 'so called' active routing - so called, as highways with active routing are not given a special status in the TYP file.

It is also unusual in that there are only 2 activities reserved for this purpose, hiking and cycling .

In fact, these lines are used as layers and do not like other TOPOs with active routing replacing highways.

Picture shows Routes having been enlarged.

Red : hiking

Purple: cycling

Blue : current trail



In Basecamp or Oregons etc, an extra option appears in the Search options , ie '**Named Trails**'

When you select this, basecamp & your device lists trails contained in the .db file nearest to your current position. (If your topo does not contain a .db file then just adding the required .db file in the SQL folder will **not** trigger off the new option!)

	18		Circuit n°12 - Le circuit du Hury	28.2 mi
	19		De Deuxville au Léomont PR	28.5 mi
	20		Variante GR 531 - Tête du Violu	28.6 mi
	21		Circuit n°9 - Tour du Taennchel	30.3 mi
	22		Circuit n°8 - Le tertre de la Fille Morte	30.3 mi
	23		Trésor du Ried PR - Huttenheim	30.4 mi
	24		Circuit n°4 - Circuit des Abris	30.5 mi
	25		Circuit n°5 - Autour du Haïcot	30.5 mi
	26		Le Brézouard PR	30.8 mi
	27		Circuit n°6 - La Pierre des Trois Bans	31.2 mi
	28		Circuit n°7 - Le Tour du Brézouard	31.2 mi

You cannot change these icons, as they do not appear in the TYP file.

Finally, save your TYP file

1) Just enter CTRL S (save) : DO NOT save AS

If Basecamp or Mapsource are currently open, rthey will have to be closed first.
TYPwiz will do this for you.

2) Load Basecamp

3) Press CTRL G 2x to clear cache

4) If you cannot see the changes then

check the filename ; this must be the same as found in the list showing all topo tys - see page 3

How do I upload this file to my GPS

Warning, always make a backup of your TOPO file first

Use Garmin's *MapInstall* - its free and effective . Make sure you have the latest version.

Mapinstall will replace the original TYP file with the one you have edited TYP

TIP - 1) Use the **partial install** option - this means you can test your TYP file on **one a small tile**.

2) Select your area

Right click to deselect

Left click to select.

