

RTxMapEditor 0.4.0.7: User's guide

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1. NOTICE

The Navteq license for RT3 and RT4 maps on CD-ROM forbids database modification, e.g. the data contained in the CD. RT4 maps delivered on hard disk only don't have associated license, then they depends only on the law of the delivery country.

In France, and probably in all the countries with a law based on the "droit d'auteur" it means you are not allowed to modify a map to add your own POI. In countries using the copyright like UK, the situation may be different. The "fair-dealing" and "public interest" notion are far more permissive than exceptions to the "droit d'auteur". Please check by yourself the law for countries other than France.

Despite the modification is forbidden, RTxMapEditor which lets you modify a map is a legal program because it does not bypass any protection measure. That's why it has been distributed since December 2006 in the whole Europe without any problem. Neither Navteq, PSA nor Magneti-Marelli ever made any complaint about it.

You are now able with RTxMapEditor, a legal program to modify a Navteq map, action forbidden by the Navteq license. Is there a risk for you to be sued by Navteq? The answer seems to be yes. But is it so simple? If you modify a map for your strictly private usage only, where is the harm?

If the usage is strictly private, there is no harm at all for Navteq. Will they earn less money because you've added your own POI to a map? Are you an unfair competitor? No. On the contrary, you may have purchase a RTx and Navteq maps because it is now possible to add your own POI.

I'm sure Navteq will never sue a RTxMapEditor user who has added, for his personal use LPG gas station, his favorite restaurants or any POI to his map. Imagine the negative image impact it would have for Navteq without any benefit. You can use RTxMapEditor without any fear or risk if you respect its license, which protects my rights, but also your rights.

Nevertheless, some usages of RTxMapEditor are illegal, your responsibility is engaged and you may be sued if you do them. For example:

- To sell or distribute maps patched with RTxMapEditor
- To extract and make publicly available a significant part of the POI contained in a map.
- To add Swiss speed trap then to sell or to use it.

These actions harm Navteq financially speaking or break the laws of some countries.

Like burning software or a MP3 encoder, RTxMapEditor is a legal tool, but the usage you're doing with it may be not. And of course, the author of legal software cannot endorse responsibility for illegal user's actions. At best, I can explain you what you can and cannot do with RTxMapEditor.

2. PATCH YOUR FIRST MAP WITH RTxMapEditor

This Chapter is a tutorial for beginners. It explains step by step how to make your first map with speed traps from alertegps, gpsspassion or any other list.

Once **RTxMapEditor is installed**, adding POI (speed traps or others) to a map is very easy and requires only few steps, all accessible from the toolbar's buttons:



1. **Configure** it during the first launch (select if you own a RT3 or a RT4, chose some options...) and copy on map in a working directory.
2. **Add POI** by giving the file containing them and the icon to be displayed
3. **Patch the map**
4. **Copy the patched map into a USB key** to update the RT4 map with a USB key or
5. **Make an ISO image** of the patch map and **burn it onto a CD** for a RT3 or a RT4

To update POI of a map all that is necessary is to reload the map **6** (if it is not done automatically) and to do again steps **2**, **3** and **4** or **5**.

To use RTxMapEditor advanced features, please read chapter 3 ADVANCED USE.

Do not forget if you need help the “?” in the upper right corner of most windows. Use it before asking something in a forum please.

2.1. INSTALL RTxMapEditor

RTxMapEditor is freely available at: <http://www.planete-citroen.com/forum/showthread.php?t=51791> and <http://rt3mapeditor.eurovan2.com/RTxMapEditor0407.exe>

If you have installed a previous version of RT3MapEditor, do not uninstall it before installing the new one! Keeping the previous version allows the new one to use the previous configuration and if needed, to restore the old version (using Add/Remove software in the control panel). Don't worry about disk space, only 2 versions are kept.

The first thing to do is to install RTxMapEditor. Simply download the setup program, **RTxMapEditor0407.exe** and **launch it**. Installation is straightforward; you just have to answer yes to some questions

Once installed, RTxMapEditor is automatically launched:

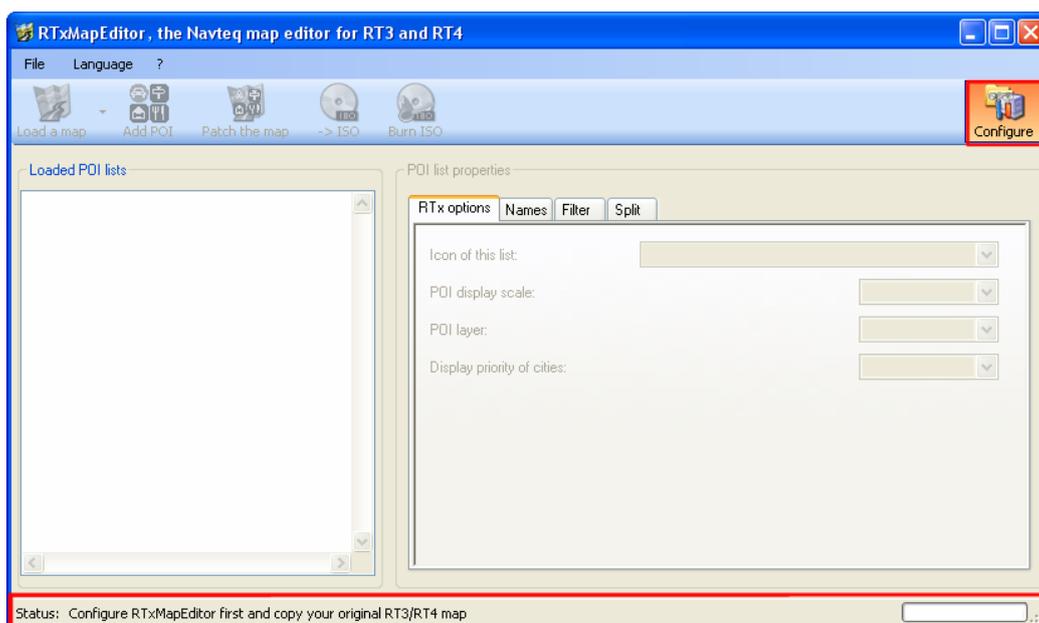
- In French on a French Windows, in Portuguese on Portuguese Windows
- In English on all other versions of Windows

It is possible to change the language with the “**language**” menu of the main Window

At the first launch, you have to read the end user licence contract (telling you what you're allowed and not allowed to do with RTxMapEditor). If you don't accept it, RTxMapEditor will not launch and you'll have to uninstall it.

2.2. CONFIGURE RTxMapEditor

If it's the first installation, the only thing you can do is to configure RTxMapEditor. The only active button is the “**Configure**” button and the status bar at the window bottom tells you what to do. Other buttons will become active once the configuration done.



Before going further, take you original map and insert it in your CD-ROM drive.

If you own a RT4, you can copy the maps from the RT4 hard-drive to modify them using RTxMapEditor (see 3.2 MAP COPY FROM A RT4 HARD-DRIVE).

Always keep a copy of your original map to put it back in your RT4 in case of problem with the patched one.

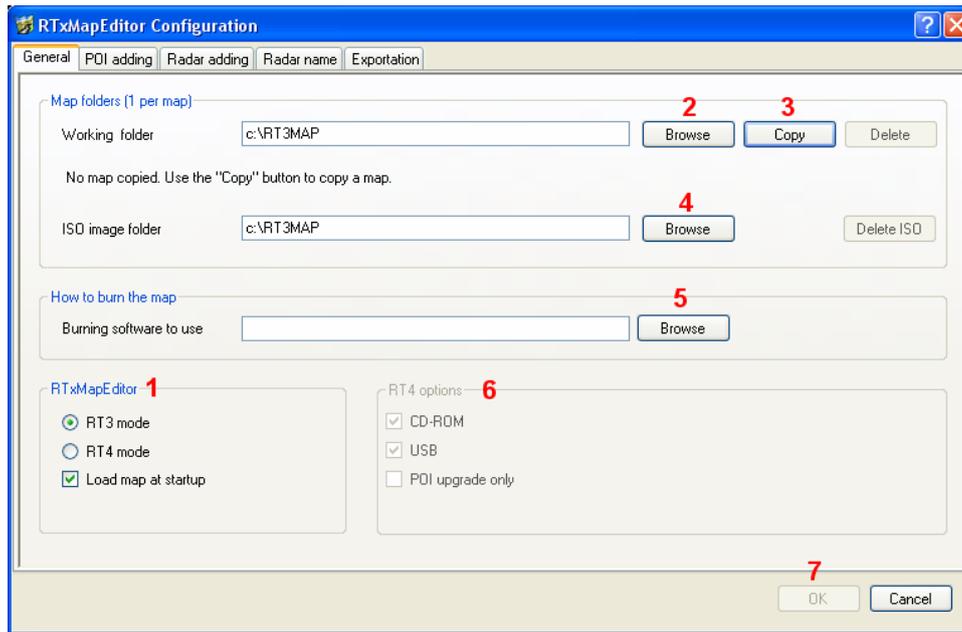
RTxMapEditor deals only with maps published in 2005 and more. If an older map is detected, RTxMapEditor will warn you it cannot modify it. It would take me too much time to reverse engineered old format and implement it. In such a case, You may need to find a newer map, and perhaps to upgrade your RT3 software with a 5.5X version for VAN RT3 and 6.6X for CAN RT3. Version 7.10 or more is advised for RT4.

To work, RTxMapEditor needs to create a **working folder** in which it will copy your original map and build the modified (patched) one with your POI or speed traps. Do not modify by yourself the content of this folder. RTxMapEditor may run incorrectly or generate map which will crash your RTx.

If you want to patch several maps (for several countries for example) you'll need to copy each map in a separate working folder using the “**Configure**” button.

If you plan to patch several times the same map (to have an up-to-date speed trap list), keep the working folder. RTxMapEditor will reuse it without needing to copy again your original map using the “**Load a map**” button.

The “**General**” tab of the Configuration window appears after clicking on the “**Configure**” button:



1. Start by choosing the RT3 mode (by default) or RT4 mode depending on the model you own. In RT4 mode icons displayed by RTxMapEditor will be the RT4 ones, in RT3 mode, it will be the RT3 ones. This setting doesn't modify the map copy, you'll be able change it when you want and patch a map in the RT3 mode then later in RT4 mode, but RTxMapEditor will optimize menus, icons and patched map for the selected system. It is inadvisable to use a map patched in RT3 mode for a RT4 and conversely. Some options available in RT3 mode may crash your RT4. A mode change needs to stop and launch again RTxMapEditor and previous configuration changes will be lost. That's the reason why it is better to start by configuring this setting.

If you select “**Loading at startup**”, the last loaded map will be automatically loaded at the next RTxMapEditor startup.

2. Choose a **working folder** if you're not satisfied with the default one using the “**Browse**” button. If you select a folder containing a map, it will be displayed and the copy won't be necessary.
3. Copy your original map by clicking the “**Copy**” button and selecting the root of the drive where you map is. See also 3.1 ORIGINAL MAPS COPY.

RTxMapEditor it will copy all necessary data and the map CD won't be needed anymore. Warning, it takes several minutes and you need free disk space (at least 900 MB for a French map).



4. RTxMapEditor generates an ISO image of the patched map easily burned by any CD burning software. By default the ISO image (about 550 MB for a French map) is located in the working folder but you can place it in another folder.

5. Before burning your new map, it is necessary to tell RTxMapEditor which burning software you use. I recommend Nero6 (nero.exe) or Roxio7, because these two software will open with the ISO image already selected. With Alcohol 120% you'll have to choose manually the ISO image to burn. Other software will be launched, but I don't know if the ISO image will be selected.

6. In RT4 mode, you can:
 - Choose to patch maps for a CD and/or USB key update. The toolbar and menus will be tuned depending on your choices. You'll be able to change them at anytime. In RT3 mode, USB feature and RT4 menu won't appear.

 - If the map used by RTxMapEditor is already installed in your RT4, you can generate a "POI update only". The upgrade will be faster on your RT4 (~2 mn instead of 20 mn). The upgrade will be refused by the RT4 if its map version is not the version used by RTxMapEditor. This kind of map is unreadable by a RT3.

7. When all is configured, the « **OK** » button is enabled. Click on it and the copied map will be loaded in memory.

The other tabs are used to configure advanced functionalities of RTxMapEditor. They will be described later.

Screenshots in the documents have been done in RT4 mode, with both CD and USM enabled. Your screen may slightly differ depending on your configuration, but the way to patch maps is exactly the same in RT3 mode.

Default icons in RT3 mode for POI adding:



: Fixed speed and red/green light traps.



: Mobile speed traps

Default icons in RT4 mode for POI adding:



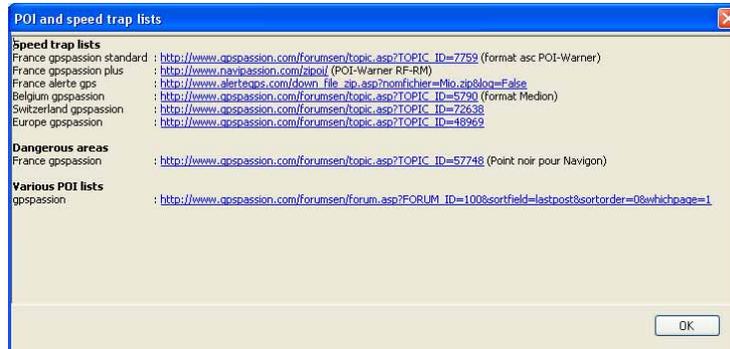
: Fixed speed and red/green light traps.



: Mobile speed traps

2.3. FIND SPEED TRAP LISTS

Well known speed traps and POI lists are given by the “?->POI/radar lists” menu



gpassion standard (fixed and mobile French speed traps, free): If you click on the gpassion standard, the 2 files to download are here:



You need to download **XXy_RFPW.zip** (fixed speed traps) and **XXy_RMPW.zip** (mobile and red/green light speed traps).

gpassion plus (fixed and mobile French speed traps, not free/restricted access): If you click on the gpassion plus, you'll obtain a login page:

Do not forget to choose « POI-Warner RF+RM ». The downloaded file will be something like **userXXXXXXXXX.zip**

Alertegps standard (red/green light, fixed end mobile, dangerous zones France, free): Link to alertegps points directly to the file **Mio.zip** which contains the speed traps. You have just to save it.

www.scdb.info (Speed Camera Data Base, European fixed speed traps Europe, free): download the Google earth plug-in and you'll have a file named google_earth_scdb.zip which contains the speed traps splitted by type and speed.

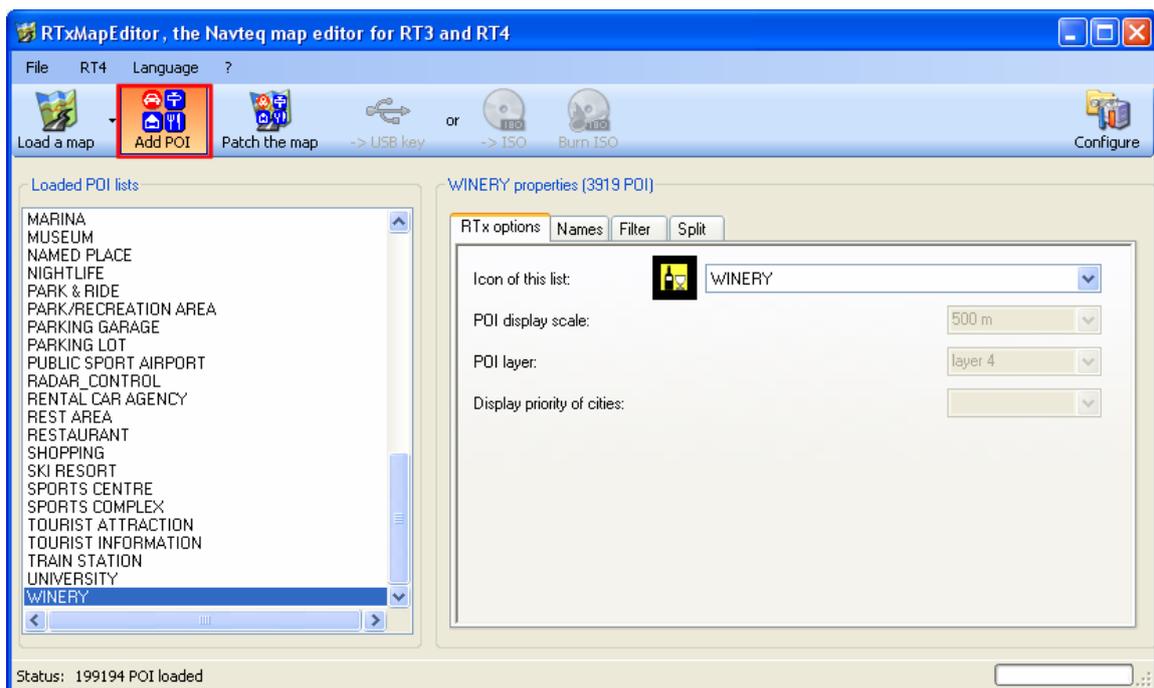
These 4 lists contain far more information than an asc file and are recognized by RTxMapEditor which handle them with a special way. Other .zip files are refused by RTxMapEditor.

2.4. ADD SPEED TRAPS

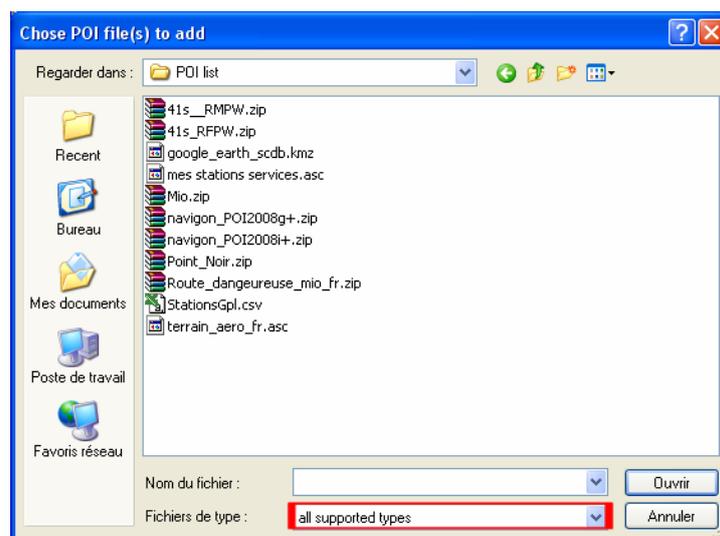
Your map is now loaded in RTxMapEditor which displays original POI lists of the map.

The main window looks always the same. Toolbar's buttons are active only if it is possible to use them, the left frame displays all loaded POI lists and the right frame displays properties of the selected list.

You are ready to add POI or speed traps by clicking the “**Add POI**” button or by dragging a file from the Windows explorer to the POI list area.



If you click “**Add POI**” you just have to select the list with the selection dialog:



By default, the dialog box shows all files types supported by RTxMapEditor, but you can filter them using “**File of type**” box..

RTxMapEditor knows how to add the 4 lists described in 2.3 FIND SPEED TRAP LISTS. If you try to add another kind of zip file, it will be refused. You'll have to extract manually .asc files from speed traps lists not automatically recognized and to add them separately.

You may also choose to add POI in another format (.asc, .csv, .rt3), see 3.3 POI ADDING. Do not forget to select the desired file extension to see only one type at a time.

During adding, some errors may appear if speed traps cannot be add to the map because they are out of the map, in a non detailed zone... (See 3.3.2 ERRORS WHILE ADDING POI)

The following table summarizes what RTxMapEditor can do depending on the added list type:

List	File	Icon per type	Icon per speed	Name depending on type, speed
.asc file	*.asc	No	No	Yes, if the name respect gpsspassion syntax
.csv file	*.csv	No	No	Yes, if the name respect gpsspassion syntax
Alertegps standard	Mio.zip	(fixed, mobile)	No	No
Gpsspassion standard	XXy_RFPW.zip	No	No	Yes
	XXy_RMPW.zip	(red light, mobile)	No	Yes
Gpsspassion plus	utilisateurXXXXXXXXX.zip	(fixed, mobile)	Yes	Yes
Scdb.info	google_earth_scdb.zip	No	Yes	Yes

But there is a serious limitation, you cannot create new icons, you can only use [the existing ones](#).

Be careful, redistributing, gpsspassion+ list is strictly forbidden, as well as redistributing maps patched by RTxMapEditor.

Respect the rights of those who give you for free tools and data, do not steal their work like some people (Yes Mr Cartaud, this is for you, again!).

Select the file to add (once at a time in case of .zip or .kmz format) then click on **“Open”**

2.5. CHOSE HOW SPEED TRAPS ARE DISPLAYED ON RTx SCREEN

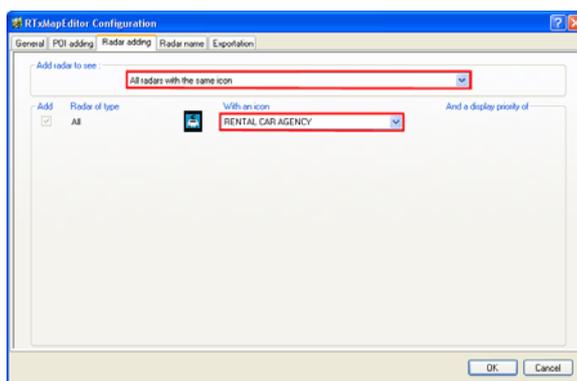
During speed traps adding from alertegps, gpsspassion or scdb.info, RTxMapEditor let you choose how they will be displayed on your RTx screen. Possible choices are listed in “Add POI to see”, you just have to select the one which fits the best to your needs. Following examples are using gpsspassion+ list which allow all (11) possibilities. With other lists (alertegps and gpsspassion standard) choices are more restricted.

All choices done in “POI adding” tab will be saved and RTxMapEditor will remember them during next adding session. One set of icons is saved for the RT3, one other for the RT4.

It is not possible today to create its own icon for a RTx; you can only to chose into the existing ones. Warning, the RADAR icon is not displayed by the RT4.

2.5.1. ALL SPEED TRAPS WITH THE SAME ICON

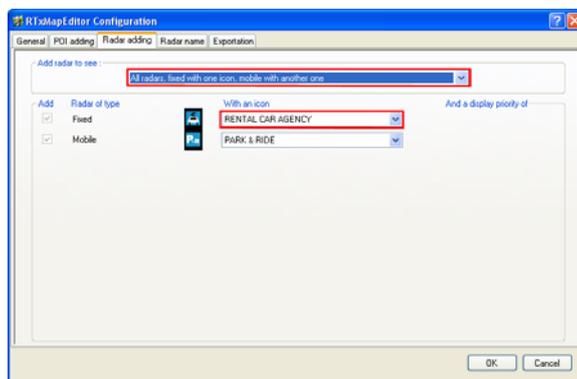
By default, all speed traps will be added in a unique list and they will be displayed with the same icon, the radar one (RT3) or rental car agency (RT4).



In the lower frame you'll be able to choose another existing icon then click “OK”.

2.5.2. FIXED SPEED TRAPS WITH THE ONE ICON, MOBILE WITH ANOTHER ONE

Select “All radars, fixed with one icon, mobile with another one” in the upper frame to put all fixed speed traps in a list and all mobile speed traps in another one. A dedicated icon will be associated to each list.

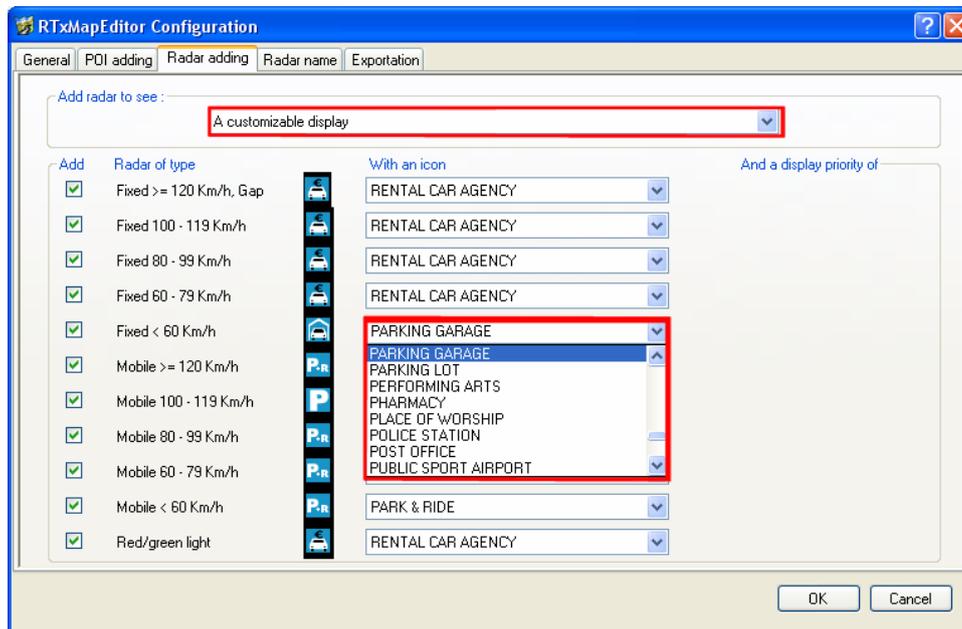


You can select one icon for fixed speed traps, one other for mobile speed traps, then click “OK”.

2.5.3. ICON DEPENDING ON SPEED TRAPS TYPE

In the “**Customizable display**” mode, RTxMapEditor identifies up to 11 speed traps categories in the gpspassion plus list (fixed and mobile sorted by speed, red/green light and gap), less in other lists. It can add (select “**Add**”) each of these categories in a separate list and display them with a dedicated icon with or without text (choose in “**With an icon**”).

This lets you chose which icon to use (only in the predefined ones), but also lets you choose which speed trap categories you want to add and which you want to discard.



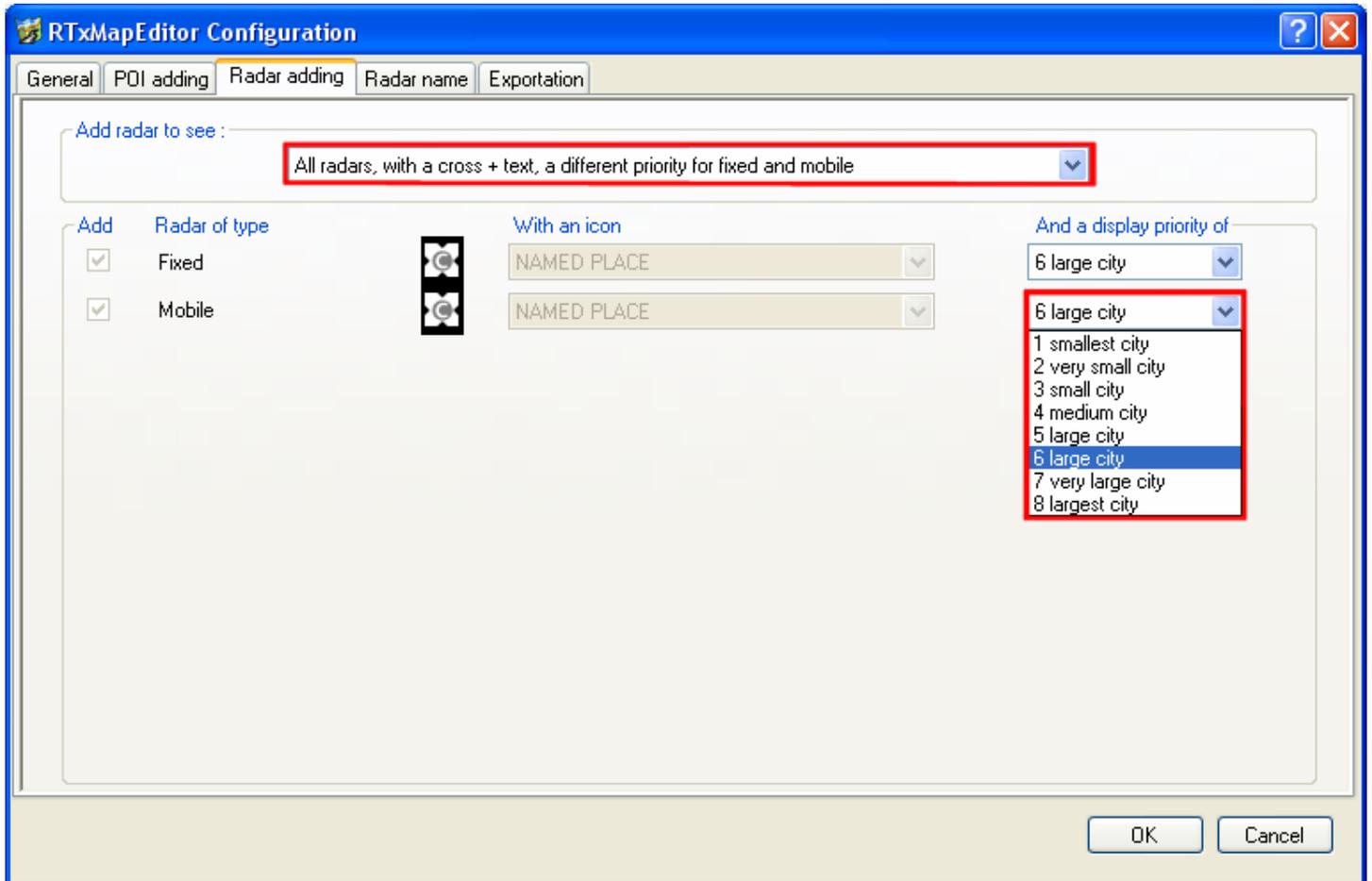
Make your choice then click “**OK**” to add speed traps or “**Cancel**” to abort adding.

2.5.4. OTHER VARIANT

Inside the 11 existing variants, you may for example add only fixed speed traps, or only the mobile ones. Other won't be added neither displayed.

2.5.5. SPEED TRAPS WITH NAMED PLACE ICON + TEXT

It is possible to display speed traps (some or all) as NAMED PLACE (city centre) with a cross (RT3) or an icon (RT4) and text. It may be useful with gpassion (or other) list which includes the type, direction and speed of each speed trap.



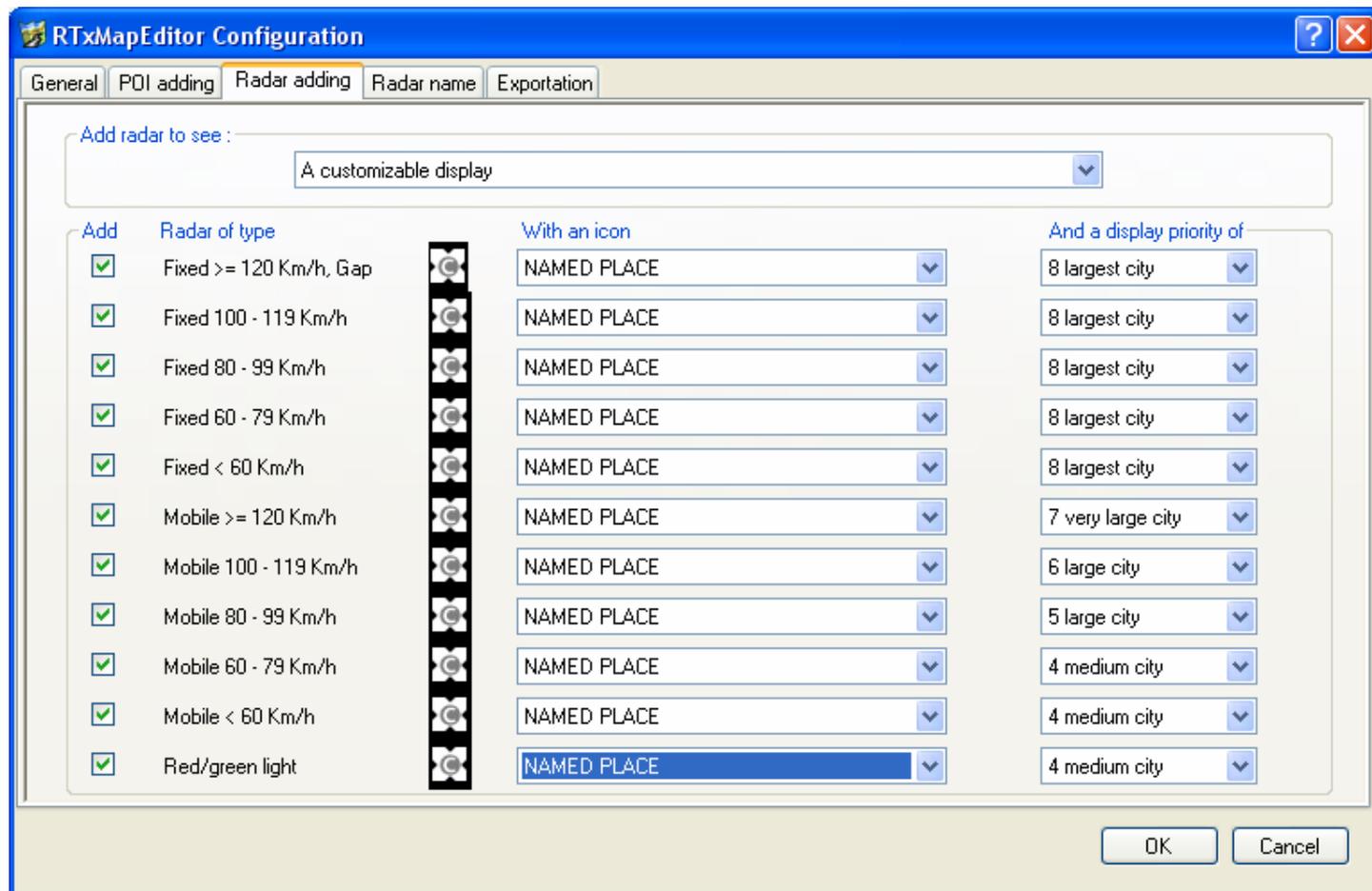
In this case, you may also choose the priority display (1, the lowest priority like city centre of a very small village up to 8, the highest priority like city centre of a capital).

The RTx displays in priority big cities rather than small ones. The default value is 6

Be careful, if you choose 8 for all speed traps, you won't see anymore city centre.

In RT4 mode, only the lower priorities (from 1 to 3) are available. If you use on a RT4 a map patched in RT3 mode with priorities greater than 3, the display will be very disturbed and your RT4 will be unusable until you put a map without POI into it.

If you choose a customizable display with a French gpsspassion list and you assign the city centre (NAMED PLACE) icon to speed traps, RTxMapEditor selects a display priority for each kind of radar



- 8 for fixed speed traps whatever their speed, green/red light and gap cameras
- 7 for 130 Km/h mobile speed traps
- 6 for 110 Km/h mobile speed traps
- 5 for 90 Km/h mobile speed traps
- 4 for 80 Km/h or less, and not specified speed mobile speed traps

In RT4 mode, only priorities of less than 3 are available.

I don't know exactly the display algorithm of the NAMED PLACE, why one is displayed and another not. This configuration is just an example and I advise you to tests several configurations to find the best for you.

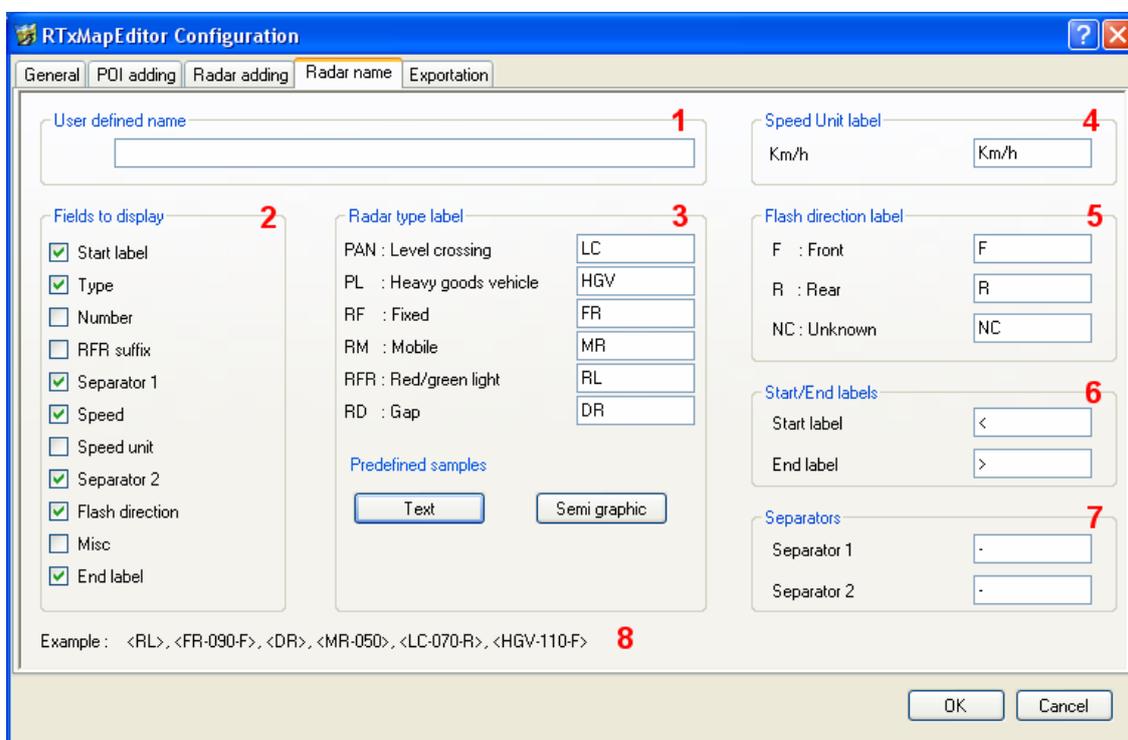
Nevertheless, I'm pretty sure cities with higher priority are displayed in priority by the RTX. Of course, if you assign 8 as priority for a lot of speed traps, you'll see less NAMED PLACE. You have to find the better compromise, depending on your taste and on the scale you are watching your map.

You'll never see all speed traps at high scales, they are too many of them for that and I think the RTX limits the number of POI displayed per screen.

Before clicking "OK" to add French speed traps and if you use a gpsspassion list, take a look to the "Radar Name" tab. It lets you to automatically choose the text associated with each speed trap.

2.5.6. DISPLAY SPEED TRAPS TYPE, SPEED...

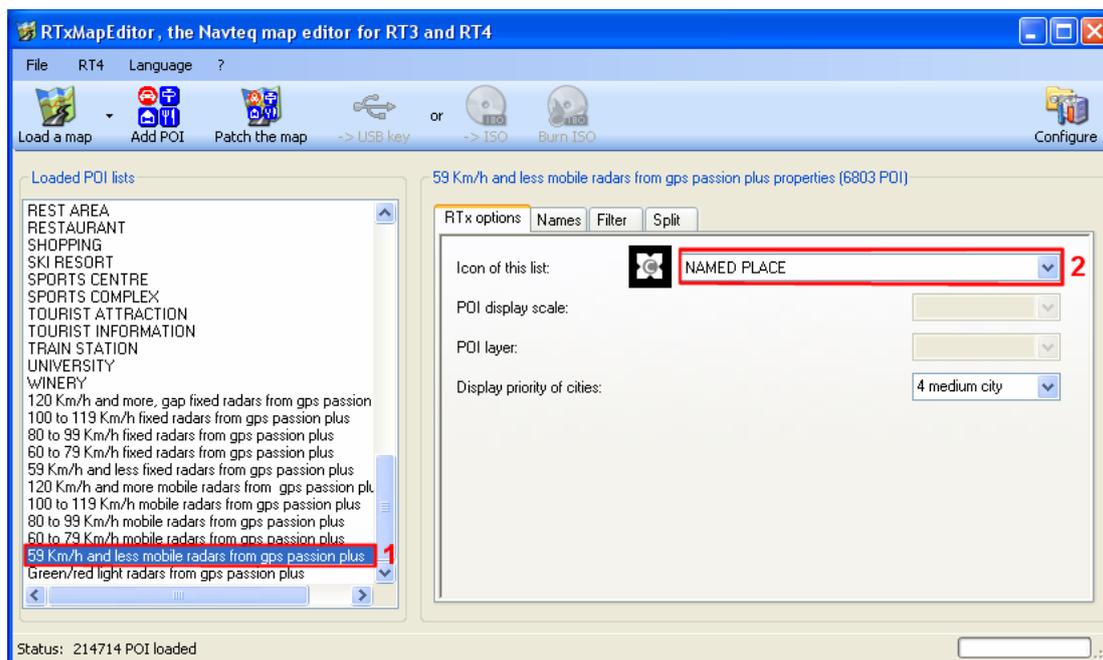
RTxMapEditor identifies the type, direction and speed of speed traps in gpssession and scdb.info lists. You can customize the associated text if they are displayed as NAMED PLACE. As for the previous tab, configuration done in this tab will be saved.



1. Allows you to define a unique name shared by all POI of the list. By default, speed traps of gpssession lists don't use a unique name. You can use it with lists as alertegps or ones which don't include detailed information on speed traps (see next page)
2. Select information to display. For a short display, select only the speed. To easily differentiate speed traps from cities, you can display a prefix and/or a suffix before and after the name (see panel 6)
3. Define here the name displayed for each type of speed trap. 2 predefined examples are accessible by clicking on the "Text" or "Semi graphic" button. You can modify individually each value.
4. Define here the speed unit to display (mph for example)
5. Define here how to display the speed trap direction
6. You can frame the displayed name by one or several characters at the beginning or at the end to differentiate them from cities.
7. 2 separators (see panel 2) are possible. Define them here
8. An example of the result is displayed. This example is real-time computed and follow the choices you made in all the frames.

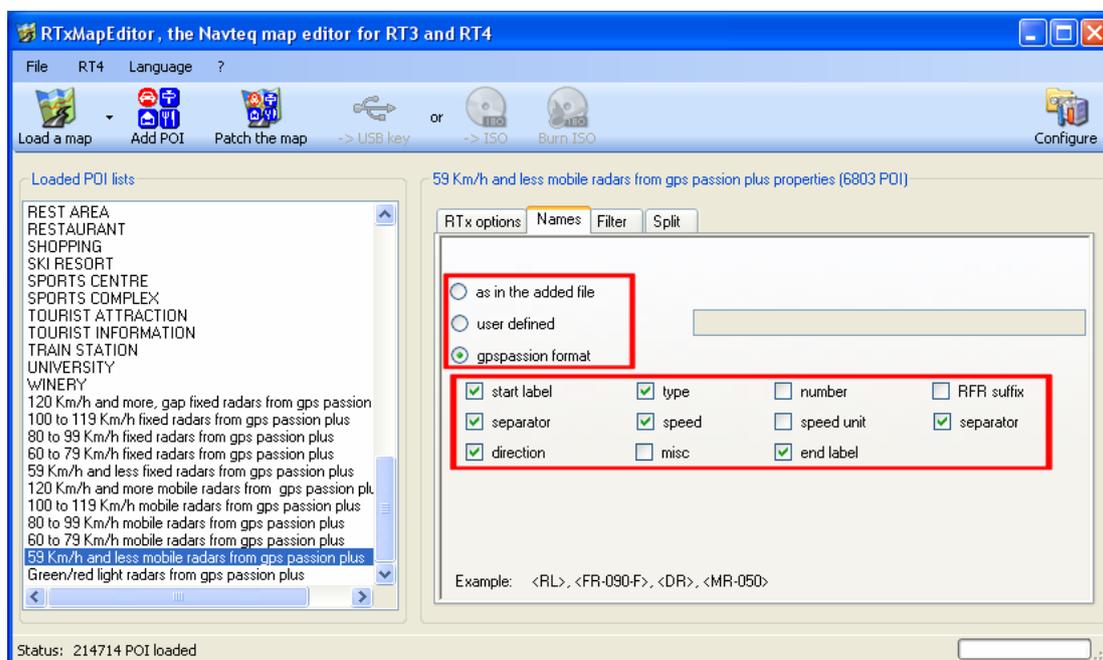
Once you're satisfied, click on "OK" to add your speed traps. You'll be able to come back to this screen after adding and the modifications will be immediately taken into account (and shared by all speed trap lists).

After speed traps are added, you'll see a screen like this one (details depend on the way they are displayed, using a predefined or custom display)



It is still possible to change the icon associated to a list. Select a list in the left frame (1) then chose the new icon in the pick list in the right frame (2). It is also possible with original map POI lists.

It is neither possible to change the layer nor the display scale because the RTX ignore map data. Warning! Scales indicated are the ones found in map data. But the RTX does what it wants. The rule is: blue icons are visible at 2Km scale, yellow and purple ones at 500m and white, green, at 200m. (See [here](#))



You can also modify the display of the name for each list associated to the NAMED PLACE icon.

Gpspassion format is available only for gpspassion and scdb.info lists, other like alertegps ones are by default in the “as in the added file” mode. The example is calculated and displayed in real time according to your choice.

2.6. PATCH THE MAP

When all your speed traps and POI are added, click on the “Patch the map” button



All the needed files for a patched map will be generated (it takes about 20 seconds on an AMD Barton 3200+)

The progress bar in the lower right corner indicates the progress.

2.7. GENERATE THE ISO IMAGE OF THE PATCHED MAP

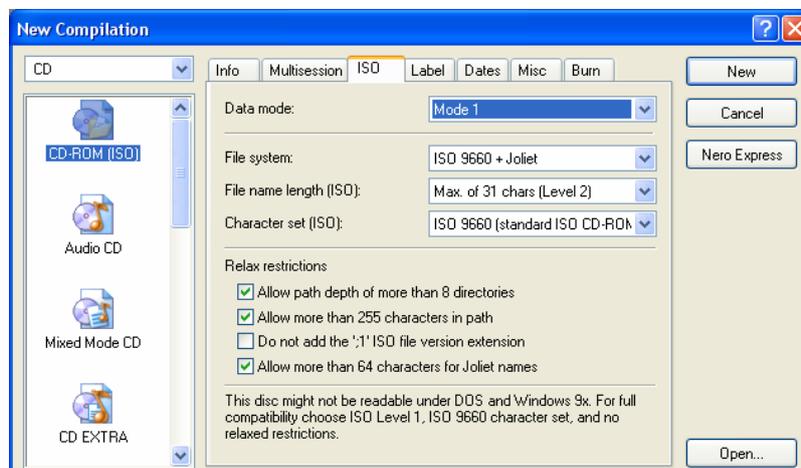
Once the map is patched, click on “-> ISO” to generate the ISO image of your patched map.



If the “POI upgrade only” option has been chosen and if the map supports this feature, a small (between 30 and 50 MB) ISO file will be generated. Otherwise, a complete ISO image will be generated (~550 MB). It takes several minutes; the progress bar indicates the progression.

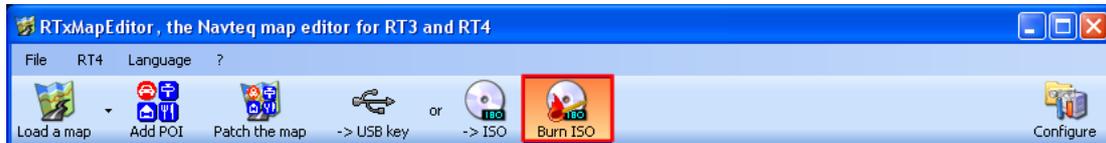
If you are comfortable with ISO image format and CD-ROM burning, you can burn directly the content of the dest folder of the working folder with the adequate software. You’ll have to choose the correct ISO format and name for the volume (the same as the original one). It’s faster and you’ll spare the 550MB of the ISO image (when the CD is burned on the fly).

Characteristics of the CD to create are the following:

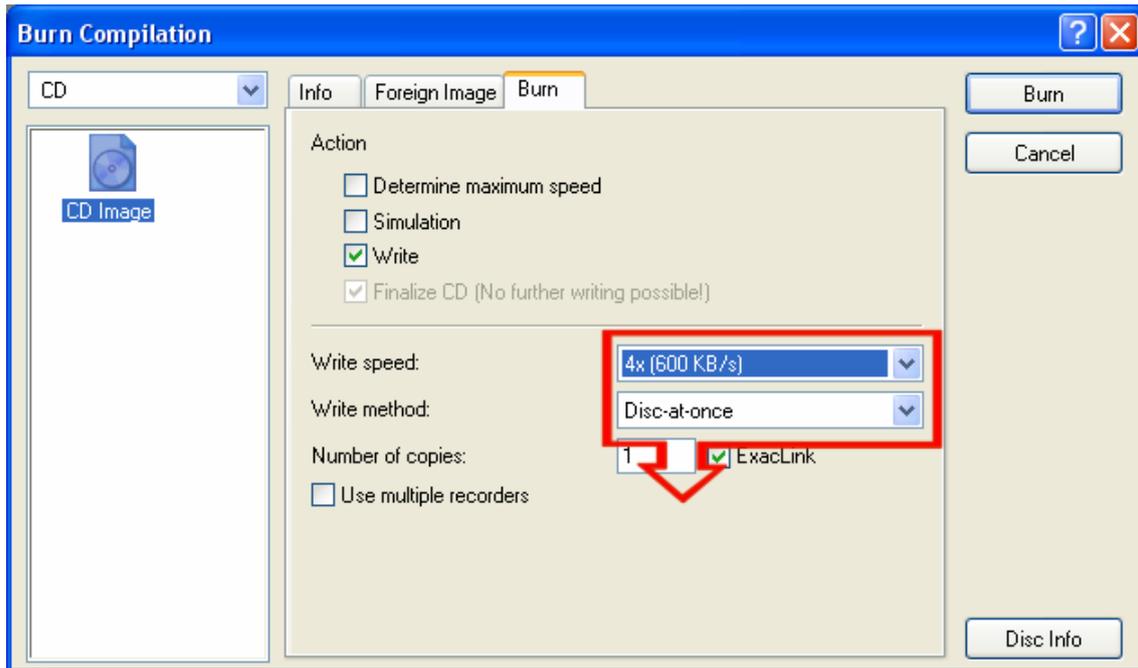


2.8. BURN THE PATCHED MAP

The ISO image is now generated; you just have to burn it. The “**Burn ISO**” becomes active, click it.



If Nero6 is configured as burning software, you'll obtain:



The burning speed depends on you burner and on your CD-R. With my own CD-R (not DVD) MSI burner, I can burn up to x52 without any problem, **but for most burners (especially the CD/DVD ones), it is safe to burn at the lowest possible speed.**

Choose Disc-at-once, it's safer even if RT3 (mine at least) accepts Track-at-Once burned CD.

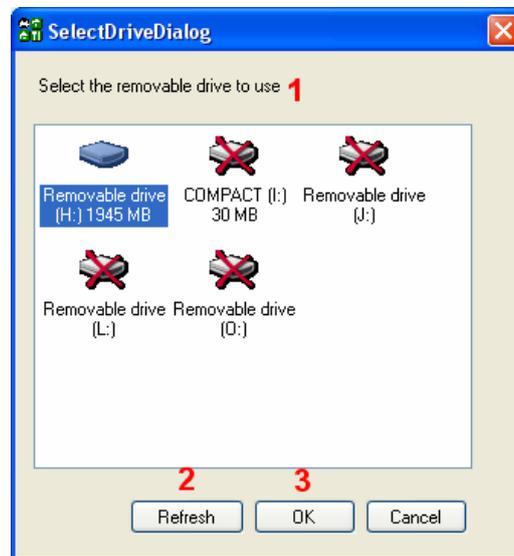
That's all folks! You now have your new patched map. See chapter 2.10 PATCHED MAP USAGE WITH A RTx which describes how to use this CD.

2.9. COPY THE NEW MAP INTO A USB KEY (RT4)

If you're a RT4 owner, it's possible to update the maps using a USB key with a special cable (see 3.2 MAP COPY FROM A RT4 HARD-DRIVE). It avoids generating the ISO image and burning a CD-R.



Once the map patched, connect your USB key to your PC, then click the “-> **USB key**” button.



1. Select the drive where the USB key you want to use is plugged. Drives with a red cross are removable drives like card readers without memory card inserted or USB keys too small to contain the map.
2. If your key is not already plugged, do it and press the “**Refresh**” button. Then select it.
3. Click the « **OK** » button. RTxMapEditor will erase the content of the USB key (after asking for your agreement) and it will copy the map into the USB key

Unplug your USB key. It's not necessary to ask Windows for “safely remove hardware”, RTxMapEditor do it for you, even if the activity LED of some USB key continue to flash.

You just have now to plug the key to the RT4 and the map will be upgraded as with a CD-R. If the “POI upgrade only” option has been chosen and if the map supports this feature the upgrade will be quicker.

2.10. PATCHED MAP USAGE WITH A RTx

Usage of a map patched by RTxMapEditor is exactly the same as original map one.

With a RT3, insert the CD and don't forget to make a dark reset (10 seconds press on the dark button until the reboot) to inform the RT3 a new map is inserted.

With a RT4, insert the CD (or plug the USB key) and the upgrade will automatically start.

If all is fine, you should see your new POI on the screen and use them as the original ones.

You can ask guidance to a POI, see all related information (if the POI is in a zone without address, nothing will be displayed) and call them with the embedded cellular phone if you have filled the phone number (see 3.3.1 SUPPORTED FORMATS).

2.11. ACTIVATE ICONS DISPLAY ON RTx SCREEN

Do not forget to activate the display for POI you've added in the Map-> Map details menu.

Following table shows all available icons, display scale and the way to activate the display on a RTx. Thanks to Khomesa who did part of the job for the RT4.

Some information (icon, scale) may be inaccurate for a RT4. Please inform me and I'll correct it. Once all the information will be checked, RTxMapEditor will display them.

POI type	RT3 icon	RT4 icon	Display scale	Display enabled with
ENOGASTRONOMIE			500m	Hotels, Restaurants and shops -> Artisans not displayed on a RT4
RADAR_CONTROL			2Km	Automobile & Public transport-> Contrôle automatique not displayed on a RT4
DANGEROUS_ZONES				No icon.
ACCIDENT-PRONE_ZONES				No icon.
WINERY			500m	Hotels, Restaurants and shops -> Vinyards
ATM				No icon.
PLACE_OF_WORSHIP				No icon.
TRAIN_STATION			2Km	Automobile & Public transport -> Stations, bus stations
COMMUTER RAIL STATION			2Km	Automobile & Public transport -> Stations, bus stations not displayed on a RT4
BUS STATION			2Km	Automobile & Public transport -> Stations, bus stations
NAMED PLACE	+		Toutes	Always displayed
FERRY TERMINAL			2Km	Automobile & Public transport -> Airports, Ports
MARINA			2Km	Automobile & Public transport -> Airports, Ports

PUBLIC SPORT AIRPORT			2Km	Automobile & Public transport -> Airports, Ports
AIRPORT			2Km	Automobile & Public transport -> Airports, Ports
SITE_INDUSTRIEL			500m	Hotels, Restaurants and shops -> Business centres
SUPERMARCHE			500m	Hotels, Restaurants and shops -> Shopping, Supermarkets (RT4) No icon on RT3
AUTOMOBILE DEALERSHIP (ALFA ROMEO)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (FIAT)			2Km	Automobile & Public transport -> Service-stations, garages Displayed only in Fiat vehicles
AUTOMOBILE DEALERSHIP (LANCIA)			2Km	Automobile & Public transport -> Service-stations, garages Displayed only in Lancia vehicles
AUTOMOBILE DEALERSHIP (MASERATI)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (MISC)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (AUDI)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (BMW)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (CITROËN)			2Km	Automobile & Public transport -> Service-stations, garages Displayed only in Citroën vehicles
AUTOMOBILE DEALERSHIP (FORD)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (GM)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (JAGUAR)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (OPEL)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (PEUGEOT)			2Km	Automobile & Public transport -> Service-stations, garages Displayed only in Peugeot vehicles
AUTOMOBILE DEALERSHIP (PORSCHE)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (RENAULT)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (SAAB)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (VOLKSWAGEN)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (VOLVO)			2Km	Automobile & Public transport -> Service-stations, garages
AUTOMOBILE DEALERSHIP (MERCEDES-BENZ)			2Km	Automobile & Public transport -> Service-stations, garages
GAS STATION			2Km	Automobile & Public transport -> Service-stations, garages
MOTORBUKE DEALERSHIP				No icon. changed in GARAGE by RTxMapEditor because some maps include this kind of POI
RESTAURANT			500m	Hotels, Restaurants and shops -> Restaurants
NIGHTLIFE			200m	Culture, tourism and shows -> Casinos and nightlife

HISTORICAL MONUMENT			200m	Culture, tourism and shows -> Culture, musées, théâtres (RT3) Culture, tourism and shows -> Culture and museum (RT4)
BANK				No icon
CENTRE_COMMERCIAL			500m	Hotels, Restaurants and shops -> Shopping, Supermarkets
HOTEL			500m	Hotels, Restaurants and shops -> Hotels
SKI RESORT			200m	Sports Centres & Parks -> Winter sports resorts
TOURIST INFORMATION			200m	Culture, tourism and shows -> Tourisme, monuments historiques (RT3) Culture, tourism and shows -> Tourism (RT4)
POST OFFICE				No icon
RENTAL CAR AGENCY			2Km	Automobile & Public transport -> Vehicle rental
PARKING_DÉCOUVERT			2Km	Automobile & Public transport -> Lay-bys, car parks
PARKING_COUVERT			2Km	Automobile & Public transport -> Lay-bys, car parks
PARKING_ÉCHANGE			2Km	Automobile & Public transport -> Lay-bys, car parks
GARAGE			2Km	Automobile & Public transport -> Service-stations, garages
CINEMA			200m	Culture, tourism and shows -> Cinémas (RT3) Culture, tourism and shows -> Cinemas et theatres (RT4)
AIRE_REPOS			2Km	Automobile & Public transport -> Lay-bys, car parks
PERFORMING ARTS				No icon (converted in CINEMA by RTxMapEditor because some maps include this kind of POI)
BOWLING CENTRE			200m	Sports Centres & Parks -> Skating rings, bowling alleys
SPORTS COMPLEX			200m	Sports Centres & Parks -> Sports centres
PARC_ET_JARDINS			200m	Sports Centres & Parks -> Parks, gardens
CASINO			200m	Culture, tourism and shows -> Casinos and nightlife
PALAIS_DES_CONGRÈS			200m	Culture, tourism and shows -> Shows and exhibitions
GOLF COURSE				Sports Centres & Parks -> golf courses
CENTRE_CULTUREL				No icon (converted in MUSEUM by RTxMapEditor because some maps include this kind of POI)
PARC_ATTRACTIONS			200m	Sports Centres & Parks -> Theme parks
SPORTS CENTRE			200m	Sports Centres & Parks -> sports centres
ICE SKATING RINK			200m	Sports Centres & Parks -> Skating rinks, bowling alleys
TOURIST ATTRACTION			200m	Culture, tourism and shows -> Tourisme, monuments historiques (RT3) Culture, tourism and shows -> Tourism (RT4)
HOSPITAL			200m	Administration and safety -> Hospital

UNIVERSITY			200m	Administration and safety -> Universities, colleges
SCHOOL			200m	Administration and safety -> Universities, colleges
LIBRARY				Pas d'icône
MUSEUM			200m	Culture, tourism and shows -> Culture, musées, théâtres (RT3) Culture, tourism and shows -> Culture and museum (RT4)
CLUB_AUTOMOBILE				No icon
CONSEIL_GENERAL				No icon
PHARMACIE			200m	No icon for RT3 not displayed on RT4
CITY HALL			200m	Administration and safety -> Town halls, town centre
PALAIS_JUSTICE			200m	No icon for RT3 not displayed on RT4
FIRE_STATION				No icon
COMMISSARIAT			200m	No icon for RT3 not displayed on RT4
SERVICE_MEDICAL				No icon (converted in HOSPITAL by RTxMapEditor because some maps include this kind of POI)
ZONE_INDUST				No icon (converted in SITE_INDUSTRIEL by RTxMapEditor because some maps include this kind of POI)
EMBASSY				No icon (converted in CITY HALL by RTxMapEditor because some maps include this kind of POI)
BORGATE (LIEU_DIT)				No icon (removed by RTxMapEditor because some maps include this kind of POI)
BORDER_CROSSING				No icon (converted in NAMED PLACE by RTxMapEditor because some maps include this kind of POI)
LIBRAIRIE				No icon
INTERCHANGE				No icon
BAR_OU_PUB				No icon
SALON_DE_THE				No icon
MAISONS_HOTES				No icon
CAMPGROUND				No icon for RT3 not displayed on RT4
RESTAURANT_CHAMPERARD			500m	Hotels, Restaurants and shops -> Restaurants not displayed on RT4

3. ADVANCED USE

This chapter describes in details all menus and screen not seen in the first chapter

3.1. ORIGINAL MAPS COPY

To add your personal Poi's, RTxMapEditor needs a RT3/RT4 Navteq map which will be copied into the working directory during configuration (see 2.2 CONFIGURE RTxMapEditor).

You can copy these maps from:

- Your map CD-ROM (original or backup copy). In this case, select the drive containing the CD-ROM and all will be automatic. If the volume name is not compliant with a Navteq map (bad copy) you'll have to fulfill this name manually.
You can use the French 2007/2008 TD41020301 map to update your RT4 cartography. This map is normally only usable with the RT3, but RTxMapEditor modifies it to make it RT4 compatible.
- A USB key containing one or more RT4 maps copied from your RT4 hard-disk (see 3.2 MAP COPY FROM A RT4 HARD-DRIVE). Once again, just select the USB key drive and accept the map name chosen by RTxMapEditor.
- A directory containing a copy of a map. In this case, select de directory corresponding to the map root directory. If the directory name is not a valid RT3/RT4 map volume name, you'll have to fulfill it manually.

During the copy process, RTxMapEditor checks the map consistency. If it is incomplete or is not in a supported format, it will be refused. At the end of the copy, map name and country are displayed.

You can create as many working directory as you need, with one map per directory.

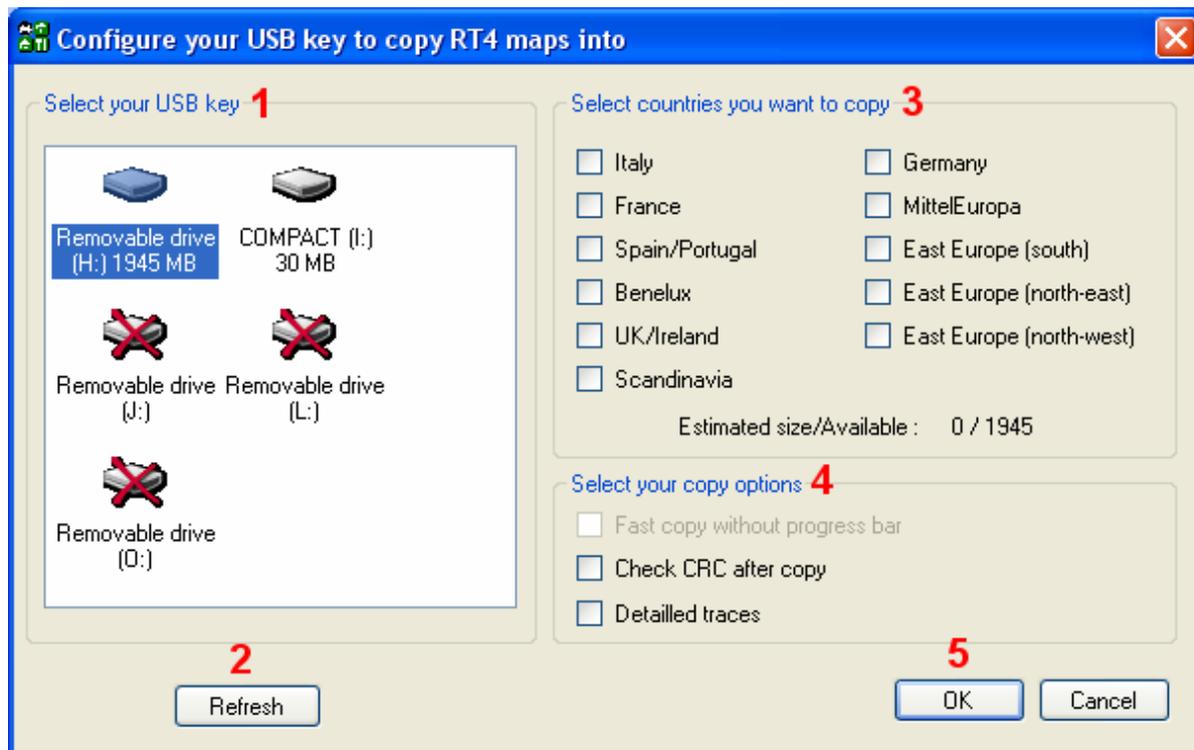
For safety reason, RTxMapEditor display a warning if the copied map has not yet been tested. You can use this kind of map with very little risk on a RT3 (at worse, the RT3 will crash and you'll have to eject the CD), but I strongly unadvised you to use it on a RT4. Beacuse the map is copied into the hard drive, you may have to dismount the RT4 and to restore the original map from a PC.

3.2. MAP COPY FROM A RT4 HARD-DRIVE

The RT4 cartography is located on the RT4 hard-drive and there is no CD-R delivered with these systems. To avoid buying such a CD-R, it's possible to copy the cartography from the hard-drive to a USB key.

You'll need a RT4 <-> USB cable, easy to make which doesn't need to open the RT4. All information are in the [planete-citroen tutorial](#) or on the [RT4 wiki](#). This cable may be used to other purpose than copying maps.

First, plug a USB key into your PC, then go to in the “RT4 -> RT4 map -> USB key” menu. The following window will open (if you are in RT4 mode with USB enabled, of course):



1. Select the drive where the USB key you want to use is plugged. Drives with a red cross are removable drives like card readers without memory card inserted.
2. If your key is not already plugged, do it and press the “**Refresh**” button. Then select it.
3. Select the country (or countries) you want to copy into the USB key. Needed size is indicated and the “**OK**” button is validated only if the size of your USB key is sufficient.
4. Default copy options should be OK for most of you but you can change them.
If you choose the fast copy option, the copy will be (of course) faster but you won’t see the copy progression on the progress bar (not yet available). If you don’t choose this option, copy will be slower, but the progress bar will be updated for each file copied, useful if you’re worried about what happen on your RT4.
CRC check is a supplementary security generally not needed.
Check the detailed traces in case of copy problem.
5. Click the « **OK** » button. RTxMapEditor will erase the content of the USB key (after asking for your agreement) and it will generates needed scripts to copy the map(s).
6. Unplug your USB key. It’s not necessary to ask Windows for “safely remove hardware”, RTxMapEditor do it for you, even if the activity LED of some USB key continue to flash.

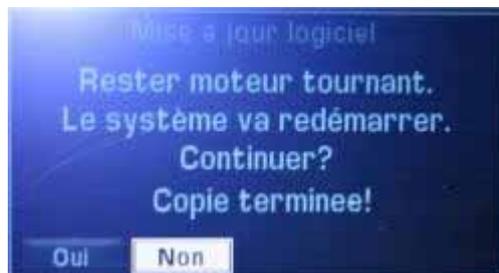
Now, plug your USB key to the RT4 using the USB<->RT4 cable. After some seconds, screens will guide you in the copy process:



Don't worry, it's not a software upgrade and the system won't reboot. Answer yes when asked for « Copy map into USB? ».



You'll see a progress bar per map to copy.



If all is OK, the RT4 will display **“Copy successful.”** In case of error, it will display **“Copy failed!”**. You may answer by **“Yes”** or **“No”**, it doesn't matter.

Unplug the USB key and plug it again into your PC. RTxMapEditor Will be able to copy map(s) from the USB key as if they were on an original CD-R.

3.3. POI ADDING

3.3.1. SUPPORTED FORMATS

In addition to alertegps, gpspassion and scdb.info files, RTxMapEditor support 3 file formats in adding:

- **.asc** : This is the asc format for Mio. It's a standard format and most of gpspassion (and other) POI lists are available in asc. For each POI it contains the latitude, the longitude and a description field. RTxMapEditor cannot identify the name, phone number, address... of these POI and it fills the RTX name field with the asc description field. It is nevertheless possible to ask the way to these POI.
- **.csv** : It is the coma separated value format (values separated by a coma, a semi-colon or a tabulation used by Excel, Map Point). This format lets you specify all fields managed by the RTX (name, address, phone number, comment for restaurant). The syntax to use is the following:
 - Empty lines and comment lines starting by «; » are supported.
 - The column separator is «; » by default, but can be modified in the POI adding configuration tab and replaced by « tab » or «, ». Be careful, using the «, » as separator is not recommended as it is used in some countries as decimal separator..
 - data may be enclosed or not by double quotes (**do not choose this option if you add kml files translated to asc using POIEdit**)
 - The first non empty and not starting by «; » line (header) defines columns (their name is case insensitive They can be in every order, with to mandatory columns:
 - **latitude**: Latitude in decimal degrees.
 - **longitude**: Longitude Latitude in decimal (positive in the east of Greenwich meridian line, negative in the west)

the dot or the comma (in this case, choose another column separator) is supported as decimal separator.

The name of the column must start with latitude or longitude, Latitude North, Longitude East are accepted. Longitude West also, but it will be interpreted as longitude East.

- **nom or name** : POI name (displayed during information request about this location).

Other columns are optional:

- **address 1 or adresse 1**: POI address displayed during a search)
- **city or ville**: City where the POI is (not used by RTX).
- **tel**: POI phone number. It is strongly recommended to use the international canonical format like +33388888888, +39yyyyyyyyyy. (It works for all countries known by the RTX).
It is also possible to use phone numbers without "+prefix" In this case, French phone numbers have to be 10 digits long and start by 0 and all phone numbers with these characteristics will be considered as French phone numbers (this can be a problem for some non French phone numbers). Separators between digits are ignored.
- **comment** : comment associated to restaurant of « RESTAURANT GUIDE CHAMPERARD » type

Correct file example :

Name ;Adress 1 ;city ;Latitude Nord ;Longitude Est ;Tel
Station Avia ;N 74 -, Relais au Loup ;CORGOLOIN ;47.09607 ;4.91237 ;Tel : 03 80 62 95 23
Relais Total De La Rocade ;N 74 - direction Langres/Chaumont, 170, route de Langres ;DIJON ;47.364 ;5.047 ;Tel : 03 80 74 13 80
Centre Distribution Leclerc ;7 rue de Cracovie ;DIJON;47.34 ;5.068 ;Tel : 03 80 78 94 94
Station Avia Epirey;55 Boulevard des Martyrs ;DIJON; 47.336 ;5.06 ;Tel : +33380712152
Sa Piretti ;15, rue de Mayence ;DIJON ;47.35 ;5.063; +33 380711613

.rt3: It is a format dedicated to RTxMapEditor. It is possible to export a POI list of an original map in this format and to add it in another map which doesn't include them (ENOGASTRONOMIE or RESTAURANT: GUIDE CHAMPERARD for example). See 3.5 EXPORT POI FROM AN OLD MAP TO A NEW ONE

To add POI in another format (kml for example), I advise you to convert them in asc with POIEdit.

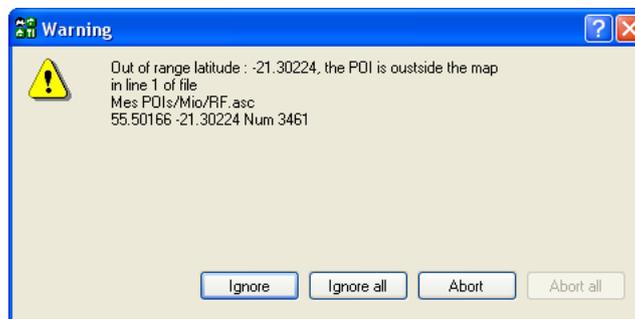
POI adding is done from the main window using the “Add POI” button or by the “File->Add POI” menu. You have to select the type of file you want to import.

You may select one or more (by a multiple selection) files to import. If several files are selected, all these files will be imported in the same list and then they'll have the same icon. To have an icon per file, you have to add files one by one. If you add at one time several .csv files, each of them can have a different header.

3.3.2. ERRORS WHILE ADDING POI

During adding, POI coordinates are checked. If they're outside the European cartography a non fatal error is generated.

At each non fatal error, if you choose to see them (see 3.3.3 POI ADDING CONFIGURATION) a popup opens and shows the error, the file and the line number where the error has been detected. You can:



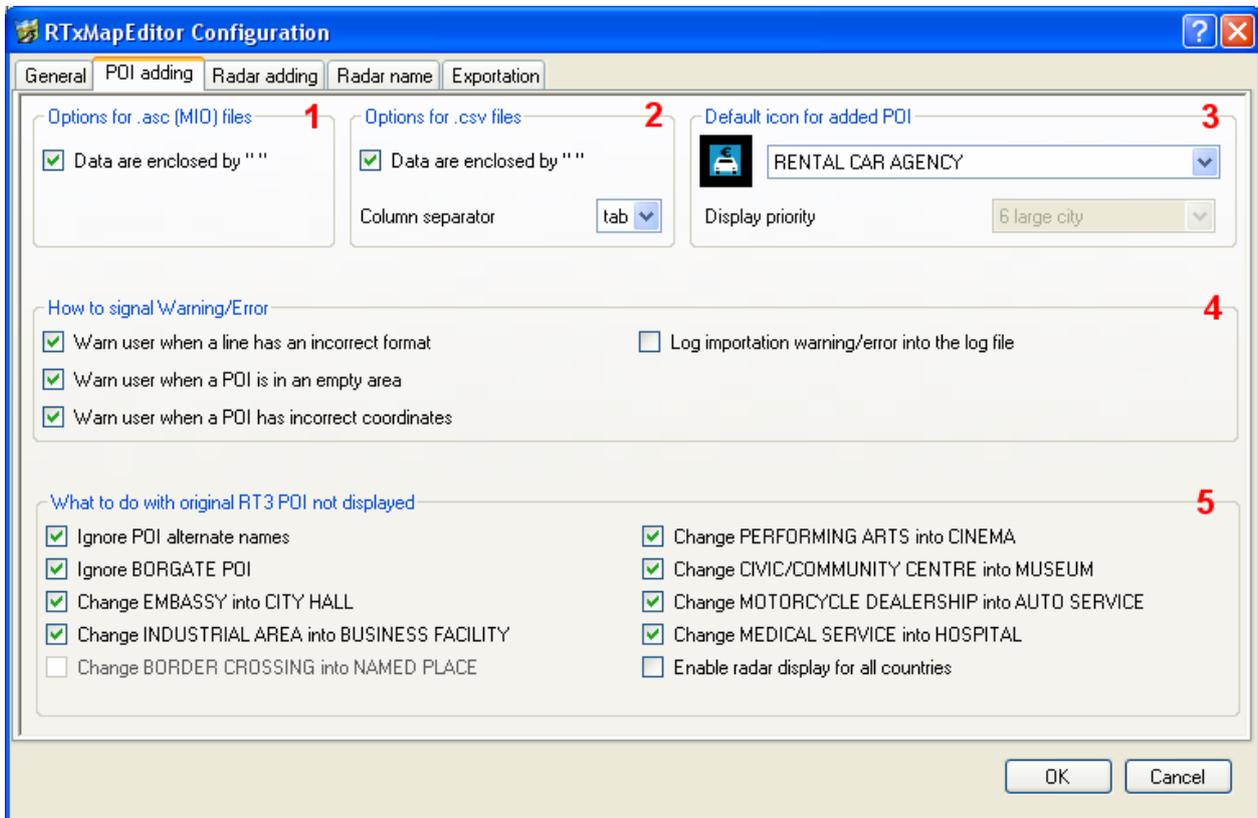
- **Ignore** this line and continue the adding
- **Ignore all** other line in errors in this file and continue the adding
- **Abort** the adding of this file, but continue for other files
- **Abort All** adding (for all files, including the one already analyzed).

The most common errors are “Out of range latitude/longitude: lat: xxx lon: xxx, the POI is outside the map...” or “Impossible to add the POI at lat: xxx lon: xxx because the map is not detailed at his point...”

In this case, check your file is correct and click **Ignore** to ignore this POI and continue the adding process.

3.3.3. POI ADDING CONFIGURATION

RTxMapEditor lets you configure the way it adds POI, from your original RTX map or from files. Default parameters should be fine for most users but you can modify them as wanted.



Panel 1 and 2 define the syntax for POI file adding in .asc and .csv format (see 3.3.1 SUPPORTED FORMATS).

Panel 3 lets you configure the default icon associated with added POI when they are not recognized as speed traps (neither gpsspassion nor alertegps nor scdb.info files)

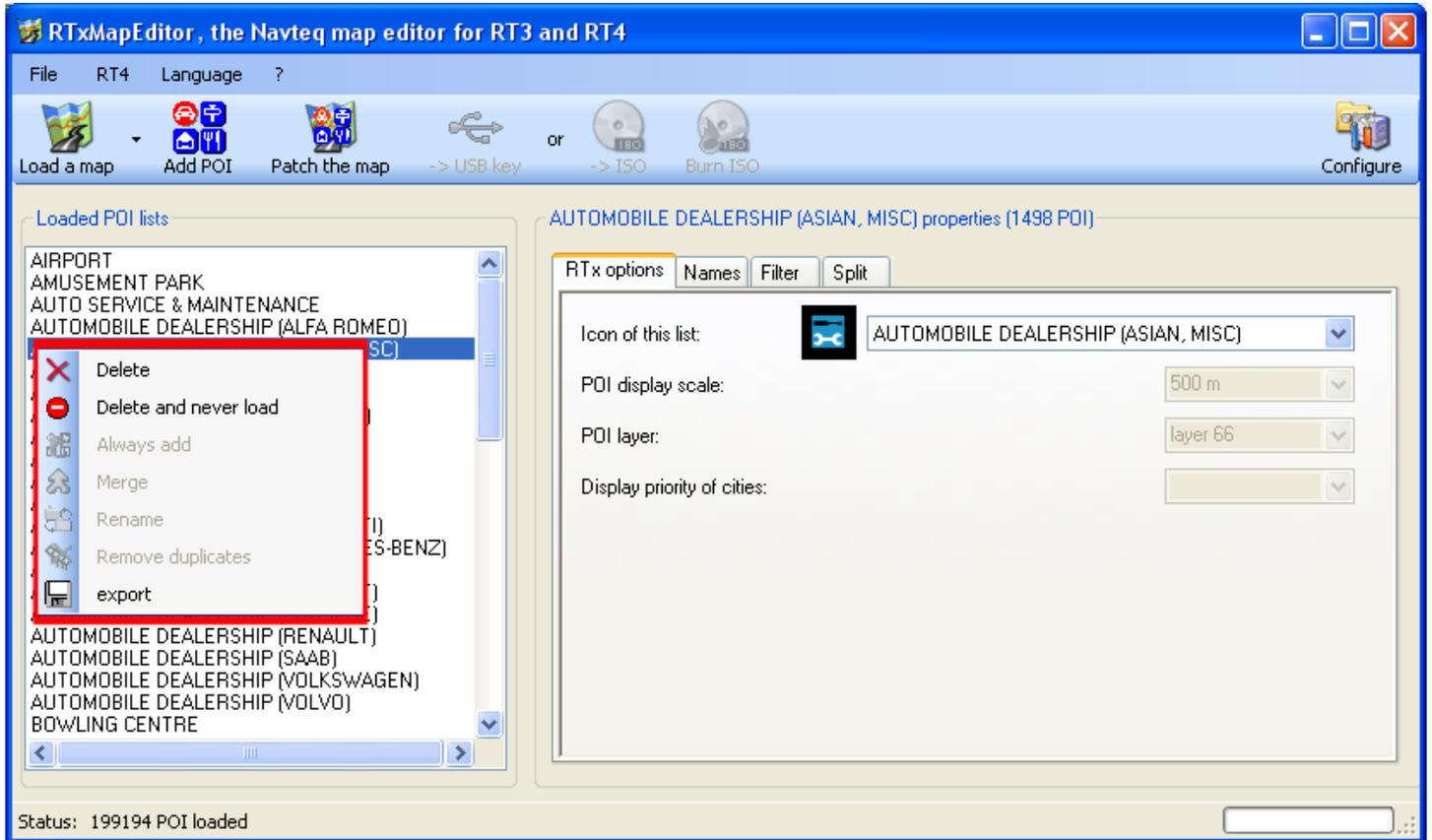
Panel 4 let you control how errors are displayed or logged.

Panel 5 is used to define how RTxMapEditor adds POI from original RTX maps:

- Most POI have a canonical name (the real name, piscine de la Kibitzenau for example) and one or more alternate names (Kibitzenau piscine de la ...). These alternate names are useless for the RT3 because there is no search by name and they are never displayed. So, why keep them? They are used by the RT4 so you can't delete them in RT4 mode.
- Some of the POI included in the original map are useless or non displayable by the RT3 (there is no icon for their type in the RT3 software). RTxMapEditor can discard useless POI like BORGATE or translate POI without icon into a close type with an icon.
If you chose for example to translate POI of type EMBASSY into CITY HALL, the embassies will be displayed with the same icon as city halls and you'll be able to look for them by looking for city halls.
- You may also force radar display for maps not allowing it by default. Please check local laws before enabling this option.

3.4. ACTION ON POI LISTS

If you select one or more lists, then click on the right button of the mouse, you'll see a contextual menu:



- **Delete** one or more POI list (added or from the map). These lists won't appear in your patched map but nothing is deleted in the original map or in your files.
- **Delete and never load.** Is possible only when original list from map are selected. Used to delete lists from the patched map and avoid they are loaded again next time you'll load the map. To load the map with all original lists, use the Menu "**File-> Reload map with all POI**"
- **Always add.** Is possible only for added lists. These lists will be automatically loaded next time the map will be loaded. Useful when you add list that never change and other that change at every update.
- **Merge** (put together) several lists into one (to assign them the same icon in one operation for example)
- **Rename** a list (if you're not satisfied with the name)
- **Remove duplicates** to remove POI in the last select list if they are already present in on or several other list.
- **Export** POI of the original map (see 3.4.1 POI EXPORTATION) in a format usable by other software

Entries are greyed if the feature is not available (merge 1 list; rename a list from the original map ...).

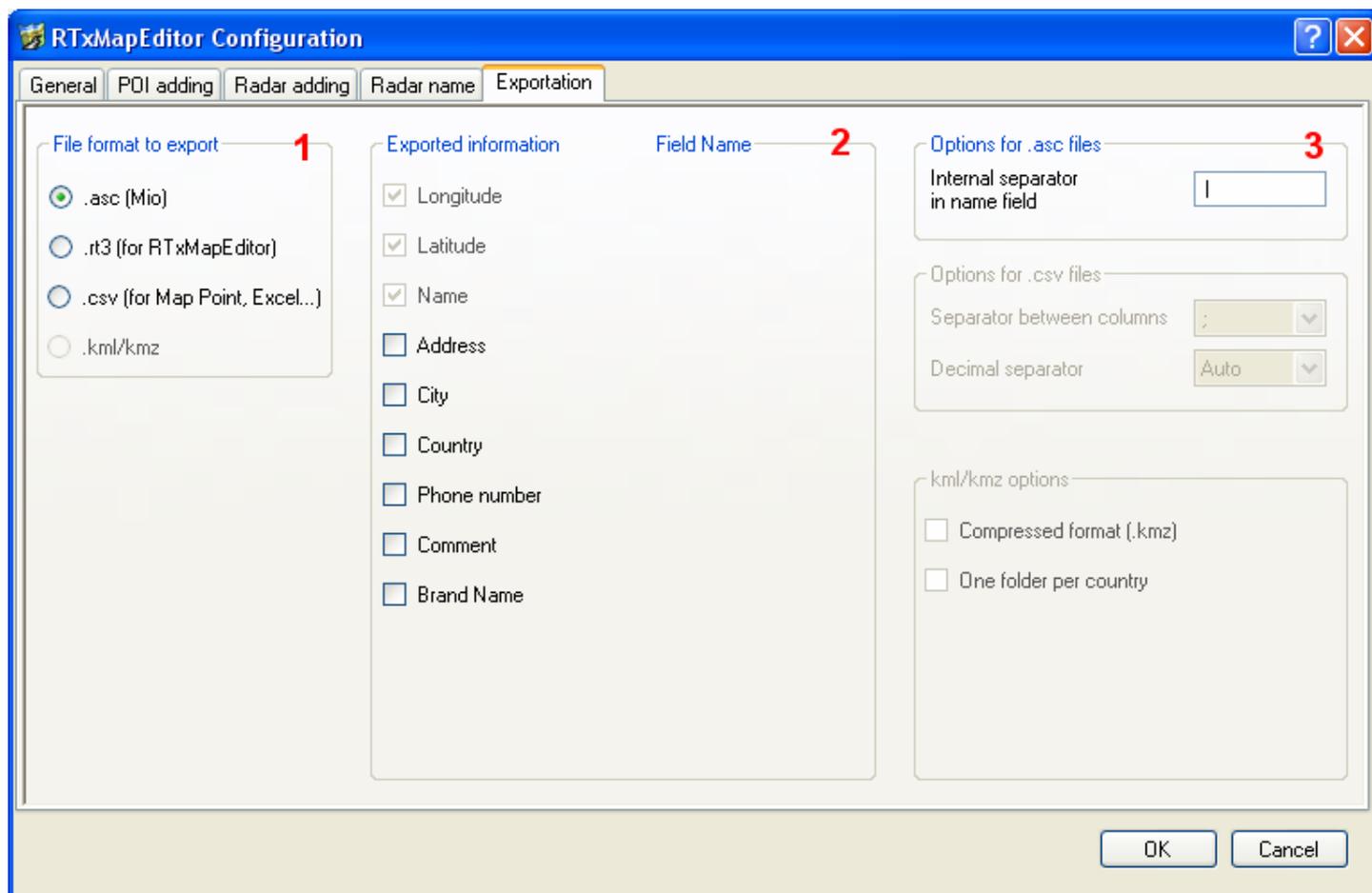
- And of course add other POI files using "**Add POI**" button

3.4.1. POI EXPORTATION

Warning! Navteq end user agreement is very restrictive. Before using this functionality, you have to read it and check with the laws of your country.

To launch the exportation, select a list from your original map then click on the right button, then “**Export**”.

RTxMapEditor displays the exportation configuration dialog.



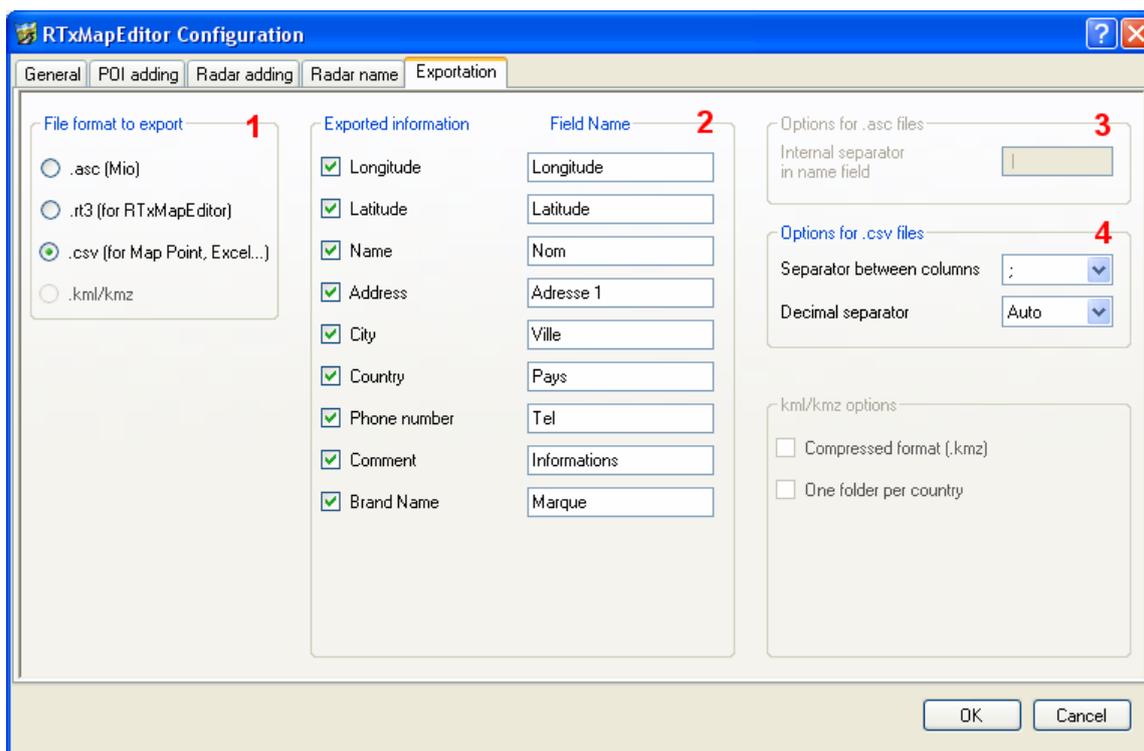
Choose the format you want in panel 1.

Panel 2 lets you define information you want to export.

If you choose the asc format, 3 fields are exported: Longitude, Latitude and Description (it's the format definition). By default, RTxMapEditor fill description with the POI name, but you can put other information in it if you select them.

Panel 3 lets you define a separator to separate different information in the description field.

If you choose the csv format (in the panel 1), you can configure:

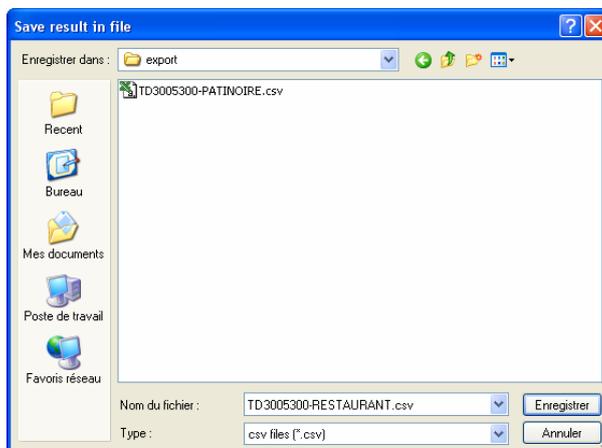


The panel 2 lets you choose the information you want to export and the name of the column.

The panel 4 lets you specify:

- The column separator (avoid the coma as it can be used as the decimal separator)
- the decimal separator
 - Auto will choose it according to the language of Windows. You should be able to add this file without problem in Excel on the same machine.
 - Choose “.” or “,” if you have special needs, like exporting the file from an English machine and add it on a French one.

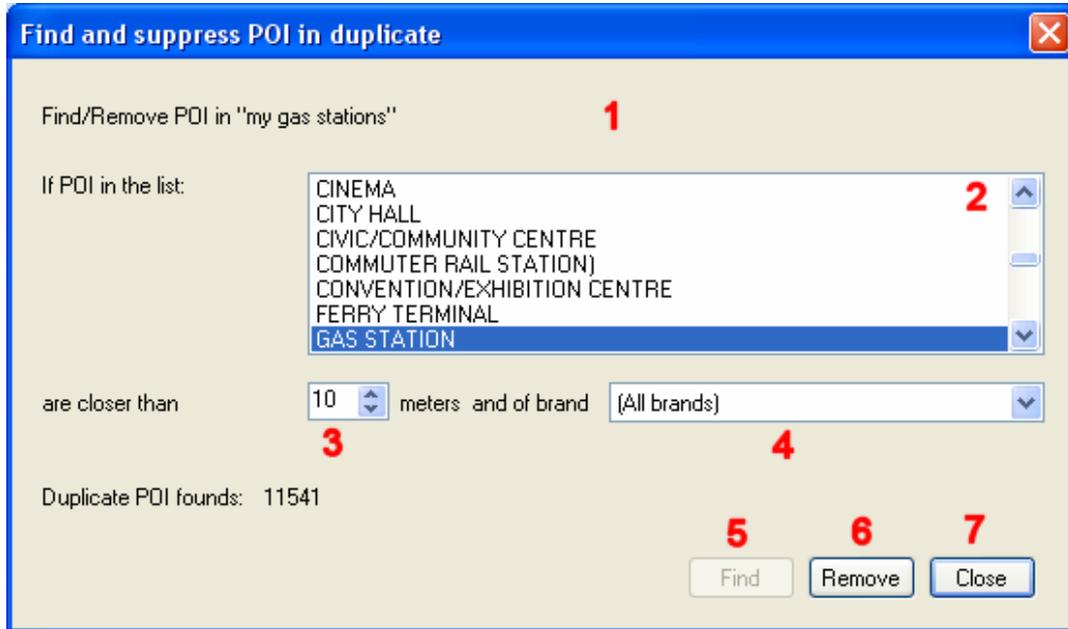
Click on “OK” to continue the exportation:



You can export a list from the original one with all the information, modify or fix it and then add it in the same map.

3.4.2. REMOVE POI IN DUPLICATE

This feature help you to remove POI from an added list which are already in one or several other lists (added or from the map).



1. Display the list in which to suppress the POI. It's always the last selected list in the main Window.
2. Display and let you choose the lists containing the POI to compare, the reference lists. These lists won't be modified.
 - If only one list is selected in the main window, RTxMapEditor selects automatically as reference lists all lists with the same icon. If none exists, the first list is selected by default.
 - If several lists are selected in the main window, all but the last one will be selected as reference list. You can manually select the reference list by clicking them (CTRL key down allows multiple selections)
3. Enter here the maximum distance between POI to consider them as in duplicate.
4. Original POI (from the map) have sometimes a brand associated to them. It is the case for gas stations, garage, hotel, restaurant... RTxMapEditor builds and displays all the brand found in the reference lists and you can chose to use them to declare a POI in duplicate (in addition the distance criteria):
 - «Every brand». Does not take brand into account to find POI in duplicate..
 - «No brand». Only POI without brand will be used for the comparison. This choice appears only if POI without brand exist in the selected lists..
 - One brand. Only POI of this brand will be used for the comparison.
5. Click “**Find**” to find POI in duplicate. The number of POI in duplicate his displayed.
6. Click “**Remove**” to remove the POI in duplicate found in the first list.
7. Then click to “**Close**” to go back to main window..

3.5. EXPORT POI FROM AN OLD MAP TO A NEW ONE

Some maps contain more list than other. French maps for example can include the ENOGASTRONOMY and RESTAURANT: GUIDE CHAMPERARD or not.

If you own an old map with these lists and a new one without, it is possible to take them from the old map and include them into the new one. Simply export the list(s) in the rt3 format (see 3.4.1 POI EXPORTATION) from the old one and add them in the new one (see 3.3 POI ADDING **Erreur ! Source du renvoi introuvable.**).

In the case of RESTAURANT: GUIDE CHAMPERARD, RTxMapEditor will extract comment to put them in restaurant included in the new map. Simultaneously, all restaurants with a comment will acquire the type RESTAURANT: GUIDE CHAMPERAD instead of RESTAURANT. **Adding restaurant Champ  rard does not work with 2007/2008 maps, do not use this feature.**

You can do that with other lists, but while it is impossible to modify them, I don't see any utility.

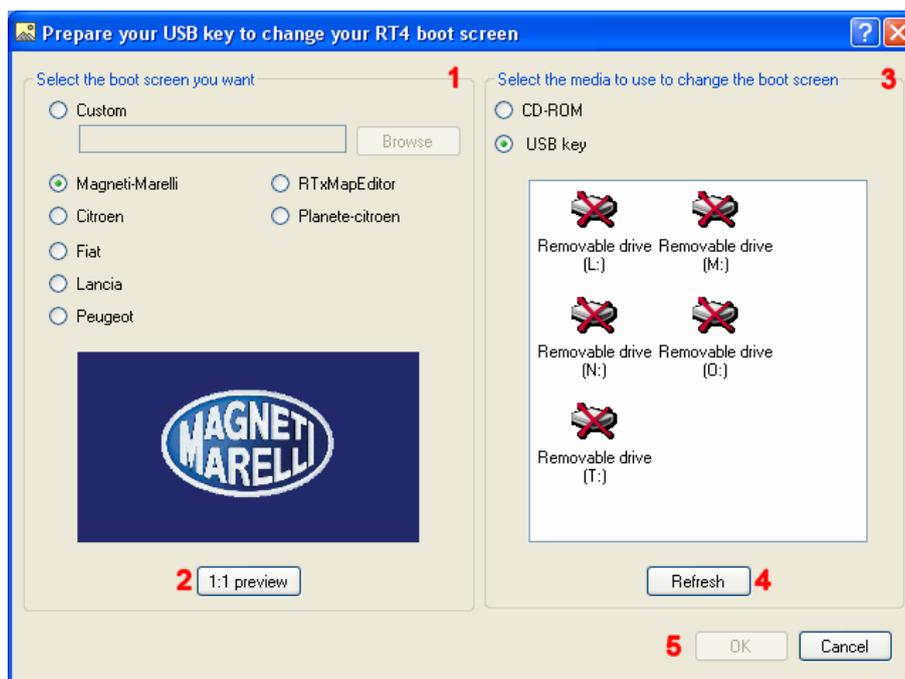
Contrary to the export/adding in csv format, there is no loss of precision.

It is possible to export in POI from a 2006/2007 map in this format and to add them to a 2007/2008 map. It works also in the other way.

4. THE RT4 TOOLBOX

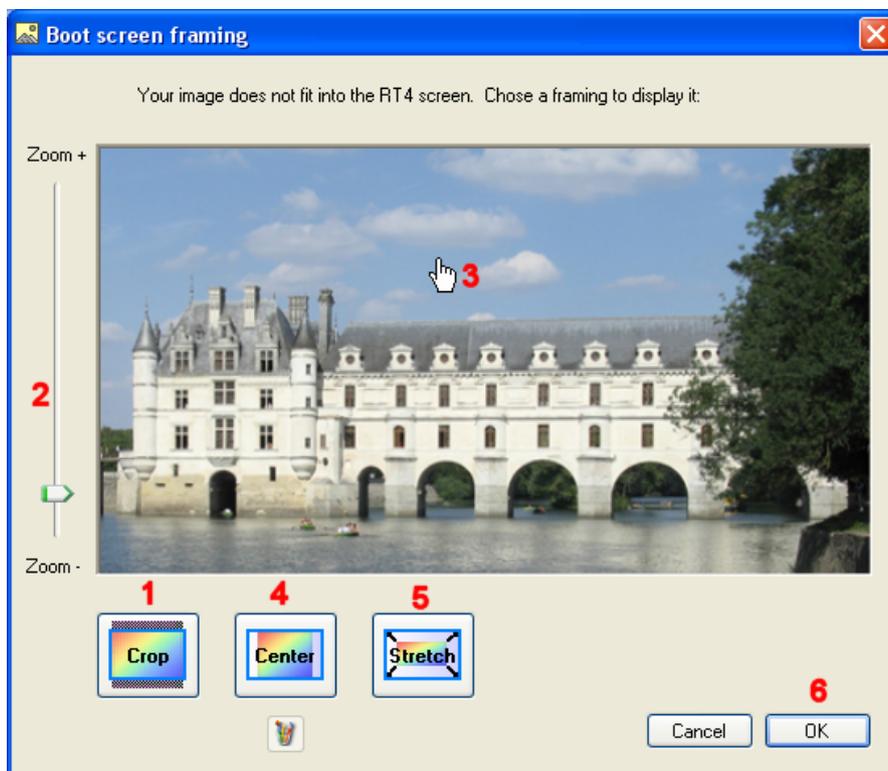
4.1. CHANGING THE BOOT SCREEN

You want to change the boot screen of your RT4, see a family picture (or whatever else) instead of the car maker's one? It's very simple. Go into the "RT4" menu then click on "boot screen -> RT4"



1. Start by choosing the boot screen you want.
RTxMapEditor has some embedded screens, included the original one if you want to restore your RT4 in its initial state.
You can also select any bmp, gif, tiff or jpeg like (like a picture from your digital camera). Select Custom then click the browse button.
You'll be able to reframe the picture as described next page
2. The "1:1 Preview" button shows you the selected screen at 1:1 scale, as it will be displayed by the RT4 without distortion.
3. Chose the way you will update your RT4, with a CD-ROM or with a USB key. USB is enabled only if you selected USB mode in the [RT4 configuration window](#).
4. If your USB key doesn't appear, click the "Refresh" button.
5. Click "OK" and the selected USB key will be updated or you favorite burning software will be launched.
6. Insert the CD or plug the USB key into the RT4, follow the screens and in less than 10 seconds, the boot screen will be updated and the RT4 will shut down. At the next startup, your new boot screen will be displayed.

The RT4 screen is a 16/9 one (with non square pixels) and pictures of this format are not so common. Compact digital cameras are 4/3 and D-SLR 3/2. To avoid black strips on the screen or using a picture editor, RTxMapEditor lets you frame the picture if it is not in the correct format.



3 framing options are possible:

- 1. Crop:** Picture is resized to touch the screen edge on one direction and spill on the other. You can :
 - 2.** Increase the image size up to its real size. Use the up/down arrows after selecting the trackBar to adjust the zoom with precision
 - 3.** Frame the image by putting the cursor on it (the hand replace the arrow cursor) and by pressing the left button. The image follows the mouse.
- 4. Centered:** Picture is resized to be displayed entirely without distortion at the screen center. It's like viewing 4/3 broadcast or a cinemascope movie on a 16/9 screen, except you can change the strip color with the brush button.
- 5. Stretch:** Picture is resized and stretched to fill the whole screen. It will be entirely displayed, but of course it will be distorted..
- 6. Then click "OK"** to validate your choice and go back to the previous window.

4.2. COPYING RT4 CONFIGURATION FILES TO USB KEY

If you are in RT4 mode with USB enabled, you can very easily copy the RT4 configurations files into a USB key.

1. Click the “RT4” -> “RT4 Configuration -> USB key” menu
2. Select the USB key to use. It will be erased (after your confirmation) and needed scripts to copy files will be written.
3. Unplug the USB key.
4. Plug the USB key into the USB cable of your RT4.
5. Answer YES when it asks for copying configuration files. 2 progress bars will be displayed, one during the hard-drive files copy, another during the flash files copy.
6. When your RT4 displays the end of the copy, wait until the USB key stops blinking then unplug it. In the F directory, you have the configuration files from the RT4 flash and in the I directory those from the hard-drive. You can modify them (generally those from the I directory) with tools like Agnda.exe written by **Nicolas6868** (available [here](#), detailed explanations in French are [here](#)) or **RT4Set.exe** by CoolMaN (available [here](#), explanations [here](#)) without generating .inf files, manipulating scripts...
Warning, if you generate incorrect files with these tools, RTxMapEditor won't check as for files generated by RTxMapEditor them and there is a risk to damage your RT4.

4.3. COPYING Agenda.dat FILE INTO THE RT4

Once Agenda.dat has been modified by Agenda.exe it's very easy to copy it into the RT4:

1. Copy the modified Agenda.dat file in the USB key used to get the configuration files from the RT4 (do not modify anything else) at <drive>:/I/USER_DATA/Agenda/ to replace the original one.
2. Launch the “RT4” -> “Agenda.dat -> RT4” menu
3. Select the drive where the USB key is
4. Click **OK** button then unplug the USB key
5. Plug the USB key into the RT4 and answer YES when you »re asked for copy Agenda.dat. At the end of the copy, unplug the USB key and do a dark reset (long press on the dark key until the RT4 shutdown).

4.4. COPYING User_com.dat FILE INTO THE RT4

Once User_com.dat has been modified by RT4Set, Copy it in the USB key used to get the configuration files from the RT4 (do not modify anything else) at <drive>:/I/USER_DATA/User_profile/ to replace the original one and proceed exactly like for Agenda.dat.

Enjoy RTxMapEditor

Janfi67

5. HARDWARE/SOFTWARE REQUIREMENTS

To run RTxMapEditor you need:

- a PC with a Pentium4 processor or equivalent
- 512 MB RAM
- Windows 2000 Service Pack 3; Windows 98; Windows 98 Second Edition; Windows ME; Windows Server 2003; Windows Vista Business; Windows Vista Business 64-bit edition; Windows Vista Enterprise; Windows Vista Enterprise 64-bit edition; Windows Vista Home Basic; Windows Vista Home Basic 64-bit edition; Windows Vista Home Premium; Windows Vista Home Premium 64-bit edition; Windows Vista Starter; Windows Vista Ultimate; Windows Vista Ultimate 64-bit edition; Windows XP Service Pack 2
- 1,5GB of free disk space per map (less for small maps like Benelux).
- .NET Framework 2.0 (available at <http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5>)

6. INFORMATION ABOUT RTX

To be continued

6.1. POI DISPLAY ALGORITHM

To be continued

7. HISTORY OF VERSIONS

RTxMapEditor 0.4.0.7

- 2007/2008 2nd edition maps on CD (version 5.2) can be read from a USB key and patched
- Modification of ISO image generation. It could fix problems encountered by some users with the ISO image.

RTxMapEditor 0.4.0.6

- It is possible to add POI by drag & drop in the POI list area of the main window
- Bug fixed during POI list removal
- 2007/2008 2nd edition maps on CD (version 5.2) can be patched. I've only tested the French map (TD41020401) but other countries should work well.
- remove duplicates : remove POI in an added list which already are in one or several other lists
- the "Choose POI file(s) to add" shows all supported file types by default instead of only zip files

RTxMapEditor 0.4.0.5

- TD3004800 maps can be loaded and patched but not patched, they don't use the same projection parameters than other maps
- Easy replacement of the RT4 boot screen by any picture.
- Easy copy of the RT4 configuration files from the RT4 to a USB key.
- Easy copy of Agenda.dat and User_com.dat into the RT4 (no more scripts, inf files...)

RTxMapEditor 0.4.0.4

- A new toolbar with larger icons, a little bit more sexy and enhanced menus.
- Introduction of RT3 and RT4 mode with dedicated icons, menus and buttons to take into account the systems specificities.
- Possibility to easily load the last 10 loaded maps, to not automatically load a map at startup.
- Possibility to never load some original POI lists during map loading.
- Possibility to always add POI list during map loading.
- Enhanced user documentation
- RT4 maps copied using a USB key may be used to upgrade every RT4 with older maps.
- Volume name is automatically calculated for known 2007/2008 maps. A warning is displayed if a map not know by RTxMapEditor is detected.
- Fast upgrade of the POI only for RT4.
- 2007/2008 UK maps can be loaded in RTxMapEditor.

RTxMapEditor 0.4.0.3

- 2007/2008 maps copied from a RT4 to a USB key can be loaded in RTxMapEditor

RTxMapEditor 0.4.0.2

- German, MittelEuropa and French (TD41020202) 2007/2008 maps can be copied from a RT4 to a USB key.

RTxMapEditor 0.4.0.1

- French 2007/2008 map (TD41020301) can be used to upgrade a RT4 after being patched. This original map runs only on RT3.
- .ZIP suffix is now accepted as well as .zip suffix
- German 2007/2008 map (TD41120201) can be loaded without error.
- xxxSCC.IMP file is not generated anymore for a 2007/2008 map, only for older maps.
- xxxDCP.CAT files are correctly updated (but still not used by RT3/RT4)
- RTxMapEditor generates scripts to copy maps from RT4 disk-drive to a USB key and is able to use this copy as well as the original CD. It allows patching a RT4 without needing a map CD (with the adequate RT4 -> USB cable see <http://www.planete-citroen.com/forum/showthread.php?t=82806> or <http://rt4.wikidot.com/tutorial-install-usb-port>)

RTxMapEditor 0.4.0.0

- Portuguese version of RTxMapEditor. Many thanks to Alexandre Sousa.
- 2007/2008 Navteq maps are used by both RT3 and RT4 (for upgrade). Then RT3MapEditor becomes RTxMapEditor
- RTxMapEditor asks for local laws checking if radar icon is used for a map not allowing this icon.
- simplified importation of European fixed radars from www.scdb.info (kmz format)
- Export of a previously imported POI list works correctly.
- Log file at the map root describes original/added/modified lists
- Champérard guide functionalities are not available for 2007/2008 maps
- Radar icon is not displayed on RT4, other icons are correctly displayed

RT3MapEditor 0.3.0.5

- Simplified importation of French speed trap list from alertegps and gpspassion, directly from a zip file.
- The wording has been simplified. Less technical terms
- Export of POI of the original map is possible in asc, csv and r3 format (the latest has to be used for re-importation in another map using RT3MapEditor)
- .txt format is replaced by .csv (the content of the files remains the same)
- .csv syntax has been relaxed. Empty and comment lines are allowed without warning and before the header line
- Importation format error are signaled if the checkbox is checked (wrong test previously)
- International canonical format is now supported during importation of csv files (+33234567890 for France), the prefix is checked.
- Redesign of the POI list window, add of several list, direct access from the ? menu
- Documentation refactoring. Only one document instead of 2.

RT3MapEditor 0.3.0.4

- It is possible to assign NAMED PLACE type to imported POI. It could be used to display velocity cameras information like speed, direction...
- gpsspassion format for velocity cameras is automatically detected with personalized display if NAME PLACE type is assigned
- Swiss maps can be patched
- INDUSTRIAL AREA and MEDICAL SERVICE (new in 2006/2007 2nd French edition) are now taken into account. It's possible to patch this new map
- RT3MapEditor displays a correct error message if an unknown type is encountered in the map
- Type without icon in the original map can be automatically translated into type with icons
- If the map patch failed, it's not possible anymore to generate the ISO image
- Delete and merge list bugs are fixed
- Magnitude of POI may be displayed (for test purpose only)
- Complete patch option is proposed (for test purpose only). I'm not sure it is useful.
- You can change the type of POI list imported from the original cartography (except for NAMED PLACE). It is useful to reuse an icon for your own POI without losing the initial content of the list.
- error messages have been modified
- the log file is limited to 500KB

RT3MapEditor 0.3.0.3

- Loading some Italian, German (and probably others) maps don't crash RT3MapEditor anymore.
- It is now possible to configure RT3MapEditor to not import the alternate names (don't seem to be used by the RT3) to lighten maps.
- If you install this version without uninstalling the previous one, the previous configuration will be automatically taken into account

RT3MapEditor 0.3.0.2

- Documentation update and partial translation
- .asc and .txt files importation is now configurable, as well as display and log of importation errors
- POI name are displayed on the RT3 screen during a search
- POI added where there was no POI previously should appear on the screen
- Import a .txt file with declared columns but empty cells for some lines doesn't crash anymore.
- Starting with the next version, the configuration will be automatically copied from the latest version.
- The ISO image folder is automatically filled with the value of the working folder when it is modified. To select a different folder, modify the ISO image folder after choosing the working folder.

RT3MapEditor 0.3.0.1

- It is possible to patch maps without guide champérard

RT3MapEditor 0.3.0.0

- more in-depth POI management
- Enhanced about screen
- space chars are allowed in the working folder
- ADPPOIS is not used anymore to patch the map

TRADPOIS 0.2.0.2

- Ajout du menu ?->logfile pour visualiser le fichier de log qui contient les actions utilisateurs et les erreurs.
- Correction d'un problème de déploiement qui inhibait les ressources françaises.

TRADPOIS 0.2.0.1

- Vérification de la place disponible avant la génération de l'image ISO
- Plus de vérification du status retourné par el programme de gravure
- Effacement correct du répertoire de travail même s'il contient des fichiers en lecture seule (Copier et effacer dans la fenêtre de configuration)
- Plus de message d'erreur 'ADDPOIS' sur problème du programme de gravure
- Mise à jour du status des cartes après suppression d'une carte dans la fenêtre de configuration
- Ajout d'un fichier de log
- Modification de la recopie des cartes pour contourner un problème qui arrive parfois : une arborescence recopiée est lisible par certains programmes mais ne l'est pas toujours pour un autre processus comme ADDPOIS ou mkisofs.
- Pendant l'effacement et la recopie des cartes la fenêtre de configuration devient inactive
- L'icône du bouton graver était incorrecte en français

TRADPOIS 0.2.0.0

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- To avoid someone make money with my work. If I decided to give RTxMapEditor for free, it is not for someone sold it. And I've found some ads to sell cards patched with RTxMapEditor on eBay. Yes, it's about you Mr Cartaud!

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9. ACKNOWLEDGMENTS

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Thanks to **komhesa** from planete-citroen for a lot of test hours with his RT4 and for the RT4 screenshots.

I also include the licenses of the tools I use in RTxMapEditor, thanks to all of them.

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Mkisofs (by Eric Youngdale (eric@andante.jic.com) no license found for this old version

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