



# RTXAGENDA v01.08

## Use Manual

A program , free and easy to use, to modify your RT4, RT5 or RT6 phonebook, on PC.

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**18/04/2013**

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## Introduction

RTXAGENDA is a program written for Microsoft Windows that allows you to edit the file Agenda.dat that the navigation system RT4, RT5 and RT6 of Magneti Marelli uses to store the phone book.

The RT4 system provides the breakdown of contacts between 4 users (only 1 in RT6), which can store a total of up to 403 different contacts. There isn't a limit of contacts per user. The first 4 book contacts are fixed and not erasable and identify the four users (only the first in RT6) but can be modified as all other contacts, inputting the personal information needed.

RTXAGENDA allows to introduce new contacts by writing all the values from scratch, but also to load the values by reading from a file in vCard format (\*.vcf) and in CSV format. The vCard format is a standard used by many PC programs like Windows Address Book, or the software to synchronize contact with your mobile phone.

A peculiarity of RTXAGENDA is the ability to query to an online database to retrieve the data address and phone, and also the GPS location of the addresses.

## Installation

For the moment the program does not have an installer, is composed of a single executable file that is provided in compressed version (.Zip), then the only operation to be conducted to install the program is to extract the executable file and save it in a folder you like in your PC.

Then if you manually associate DAT files type with RTXAGENDA, you can launch the program by double clicking on the Agenda.dat file name in Windows Explorer.

## What it need, how use it

RTXAGENDA open and edit the file Agenda.dat of your RT4.

To retrieve the file Agenda.dat from RT4 must first have mounted the USB cable. If your car is not fitted as standard USB connection, you can install the cable from you, buying the parts from the net sales and service of your car brand, or built following the instructions on the wiki page for Daniel Matos <http://rt4.wikidot.com>

To read and write file Agenda.dat from your RT4 via USB, you can use my script AGENDA.CMD which is part of the package MiraScripts, downloadable from my website, in which finds its user guide too.

**WARNING:** Do not forget to copy the file Agenda.dat.inf, together with the Agenda.dat file.

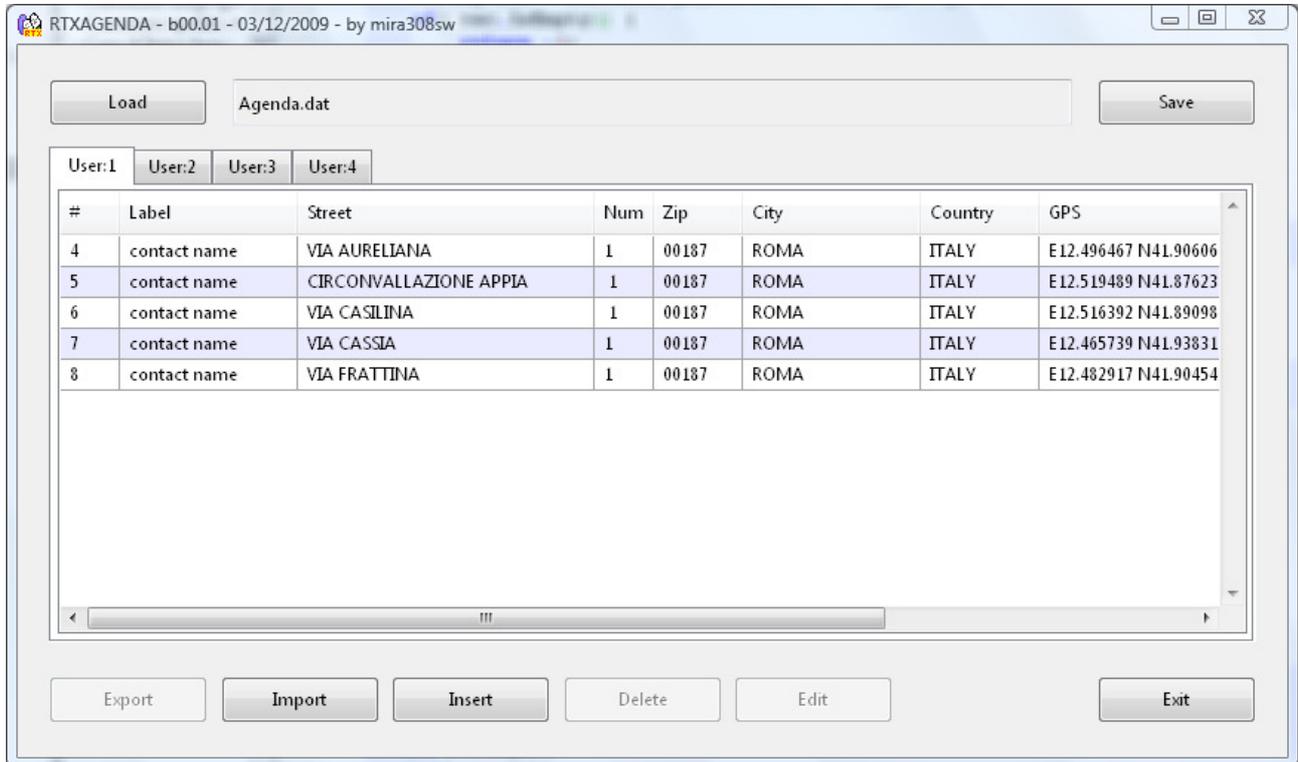
## **WARNING**

Who wants to use my program do it at his own risk, there is no form of assurance that the changes made by RTXAGENDA in file Agenda.dat are correct and do not cause damage to your RT4.

You should save a backup copy of the original file taken from your RT4.

## Main page

RTXAGENDA appears as in figure:



The main page shows the list of data in the current file Agenda.dat, and allows access to the various editing options, either through the buttons on the bottom, either through the context menu that appears by pressing the right mouse button within list.

The contacts on the agenda are divided into the 4 possible users. Current user can be selected via the tabs at the top of the list control.

You can enable / disable individual columns of the list, through the menu that opens by clicking the right button on the column header.

The columns of the list are resizable and moveable at will.

## Load

The **Load** button allows you to load the file Agenda.dat. It is possible begin changes without loading a file Agenda.dat, in this case you are creating a new database from scratch.

## Save

The **Save** button saves the current agenda. You can give any name to the saved file, but you have to use the fixed name Agenda.dat to be able to upload to RT4. Will be created or updated, the corresponding file. Inf.

## Export

The **Export** button allows you to save all selected contacts in two different format, to choice from the popup menu that appear after click the button.

After select vCard format for each contact is required the file name to create.

In CSV format only one file will be created, and each selected records will be a separate line in the file, with an header line at the beginning.

## Import

The **Import** button performs the reading of all the selected contacts from two different file format, to choice from the popup menu that appear after click the button.

When select vCard format will be asked which file to load for each contact, whose current label is displayed in the title of the dialog box.

In CSV format a unique file must contain at least the number of records selected, other records will be ignored, but if the CSV file have less line than selected record you get an error message. CSV file must have the same format you can see in the exported CSV file, it has 19 field per line, with one header line.

## Insert

The **Insert** button allow to add new contacts in the agenda in three way:

1. Inserts a blank contact to the agenda of the current user, and immediately opens the edit window.
2. Load values to the agenda of the current user from one or more vCard files.
3. Load values to the agenda of the current user from a CSV file.

## Delete

The **Delete** button deletes all selected contacts.

## Edit

The Edit button opens the editing window of a contact.

From the context menu that opens with the right mouse button is clicked on the agenda, you can execute the same functions as the buttons see before, but also choose the following additional functions:

## Duplicate

Creates a copy of the selected contacts within the phonebook of the current user.

### **Move to user**

Allows you to move selected contacts in the phone book to another user, removing them from the current user.

### **Copy to user**

Let's make a copy of the selected contacts and insert in the phone book of another user.

## Editing a contact

Clicking the **Edit** button opens the editing window of a contact:

The screenshot shows the 'Edit Record' window with the following fields and controls:

- Record**: type: normal, record: 4, Prev, Next buttons.
- General**: owner: 1, label: contact name, note: something about contact, voice record index: 65535, sim position: 0, Export vCard, Import vCard buttons.
- Address**: street: VIA AURELIANA, n°: 1, zip: 00187, town: ROMA, country: ITALY.
- Phone**: 1: HOME, 0123456789; 2: ; 3: ; 4: ; 5: .
- eMail**: 1: HOME, home@email.it; 2: ; 3: ; 4: ; 5: .
- Navigation**:  GPS,  postal, CENTER ROAD,  PoI, latitude: 41.90606667, code: 00 00 00 00 00 00 00, category: 0, 0, longitude: 12.49646667, road 1: 00 00 00 00 00 00 00 00 00, facility: 0, 0, road 2: 00 00 00 00 00 00 00 00 00, label: , house n°: 0, Geocode address button.
- ref.CD**: quarter: 0, year: 0, cid: 0.
- ACP**: type: 0, date 1: 00/00/00 00:00:00, date 2: 00/00/00 00:00:00, Ok, Cancel buttons.

Many fields are still editable.

In the **General** section you can enter the label that the RT4 used to identify a contact, and any descriptive note. The "voice record index", if other than 65535, indicating that this contact is associated with a voice tag recorded on RT4. The voice tags may be incorrect when you edit the contact.

**Address** section is for the mailing address of the contact.

In **phone** section you can enter up to 5 different telephone numbers. Each phone number can be labeled via the drop-down menu to the left.

In the **Email** section, you can enter up to 5 different email addresses. Even the e-mail addresses are labels using the dropdown menus to their left.

In section **Navigation** can only enter the GPS coordinates, the other data refer to information on the CD of the maps, for the moment unknown to me.

The various buttons on the right allow the following:

### **Prev - Next**

Select the previous or next record, in the same order as in the list view of main page, without leaving the edit window. The current contact data will be stored in the database, before switch to the next.

### **Import vCard - Export vCard**

Allow you to save or load data of the current record, to or from a file in vCard format.

## InfoBel database

Let's get the address of a contact and his telephone number through online service [www.infobel.com](http://www.infobel.com). You can also perform reverse search starting from the actual phone number.

Infobel allows searches for the following countries: AUSTRIA, BELGIUM, DENMARK, FRANCE, GERMANY, ITALY, LUXENBOURG, NETHERLANDS, SPAIN,UK.

Are available only data associated with fixed landlines users who consent to their view.

The following dialog box let you make your searches with Infobel:

country : ITALY

firstname : name Private

lastname : contact

city : ROMA

category : Business

phone : 0123456789 Inverse

result : write query data +20

#	Name	Street	Nurr	Zip	City	phone
---	------	--------	------	-----	------	-------

Ok Cancel

The **Country** field must include the name of one of the nations supported by Infobel.

There are three types of searches that can be activated via the buttons on the right:

1. **Private:** specifying "lastname" "firstname " "city" is queried the database of white pages.

2. **Business:** specifying "lastname" "city" "category" was queried the database of the Yellow Pages.
3. **Inverse:** specifying "phone" reverse lookup is performed.

The search results are listed in the "result" area. Are read up to 20 results at a time. The total number of results found is shown in the line above the result list. The key "+20" allows you to download the next 20 results, up to completion.

Select the desired result and press the OK button to finish the search with Infobel and enter the result in the phonebook record being edited.

## Geocode address

This allows you to get GPS coordinates of a street address, using the online Yahoo! Geocode API, through the following dialog:

The dialog box titled "Get GPS position" is divided into two main sections. On the left, under "Actual values", there are input fields for Address (tiburina 1), City (roma), Zip, State, Country (italia), and Latitude,Longitude (0.000000,-0.000000). On the right, under "Result from : Yahoo! - Geocoding API", there are output fields for the address (1,via Tiburtina), City (Rome), Zip (00185), State (Latium), Country (Italy), and Latitude,Longitude (41.897022,12.511650). There are "Query" and "Google Maps" buttons in the right section, and "OK" and "Cancel" buttons at the bottom.

Your current postal address of the contact, is copied in the "**Actual value**", where they can be further modified.

By clicking "**Query**" is interrogated the Yahoo! Geocode API and the results are displayed in the frame on the right "**Result from Yahoo!**".

It is possible that the address entered is not correctly interpreted, in which case we will be warned with a message popup. Please retry after changing one or more fields in "Actual value".

The button "Google Maps" allows you to check the location found on Google maps. Will run the predefined Internet browser on your computer with address set to the Google Maps service.

Click OK and the address data (Actual value) and the new GPS coordinates read from Yahoo! will be included in the phonebook record being edited.

## Automatic Updates

Running the program without parameters on the command line, RTXAGENDA asks you if you want to check for updates. If it find an updated version and you confirm the download, RTXAGENDA download the new file, replaces the current file and executes it immediately.

At the end of the download, in the folder where the RTXAGENDA executable resides you will also find a copy of the previous version, called RTXAGENDA.EXE.OLD, which you can use if the new version has problems (deleting the .OLD extension).

To avoid the question about checking for updates, you can create a shortcut to the program and insert the parameter "-nocheck" on the command line.

## Version history

V01.00 04/12/2009

V01.01 used for testing only

V01.02 11/12/2009

- Correct use of char set in InfoBel query and use of UTF-8 format.
- Correct some minor bugs: negative GPS coord, house number after Geocode
- Add multiple Insert from vCard.
- Add verify with Google Map in Geocode
- Add record field edit in list view.

V01.03 13/12/2009

- Correct load of agenda.dat when text length is over the maximum.

V01.04 25/02/2010

- Correct query to Yahoo geocode service, and other minor bug.

V01.05 15/05/2011

- Correct query to InfoBel database.

V01.06 06/11/2011

- Correct query to Yahoo! Geocode service, according to the new service rules.

V01.07 02/09/2012

- Add support for RT6. It is important the file Agenda.dat.inf stay in the same folder of Agenda.dat to let Load and Save work correctly.
- Add Import/Export in CSV format.

V01.08 18/04/2013

- Correct query to Yahoo geocode service.
- Add support for RT6 v2.70.

## Credits

RTXAGENDA is entirely written with Ultimate++:

<http://www.ultimatepp.org/>

Ultimate++ has BSD license:

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**I remind everyone that my work was possible because others peoples before me have discovered and made public, the basic knowledge about the RTx Magneti Marelli world, it is my duty to mention and thank:**

**dmatos** for info give me privately and those in <http://rt4.wikidot.com>

**Janfi67** for info give me privately and for all programs and documents made public on <http://www.planete-citroen.com>

all users of the forums I frequent and who shared with the other people information in their possession

<http://www.passionepeugeot.it>

<http://www.citroen-club.it>

<http://www.c4atreros.es>

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