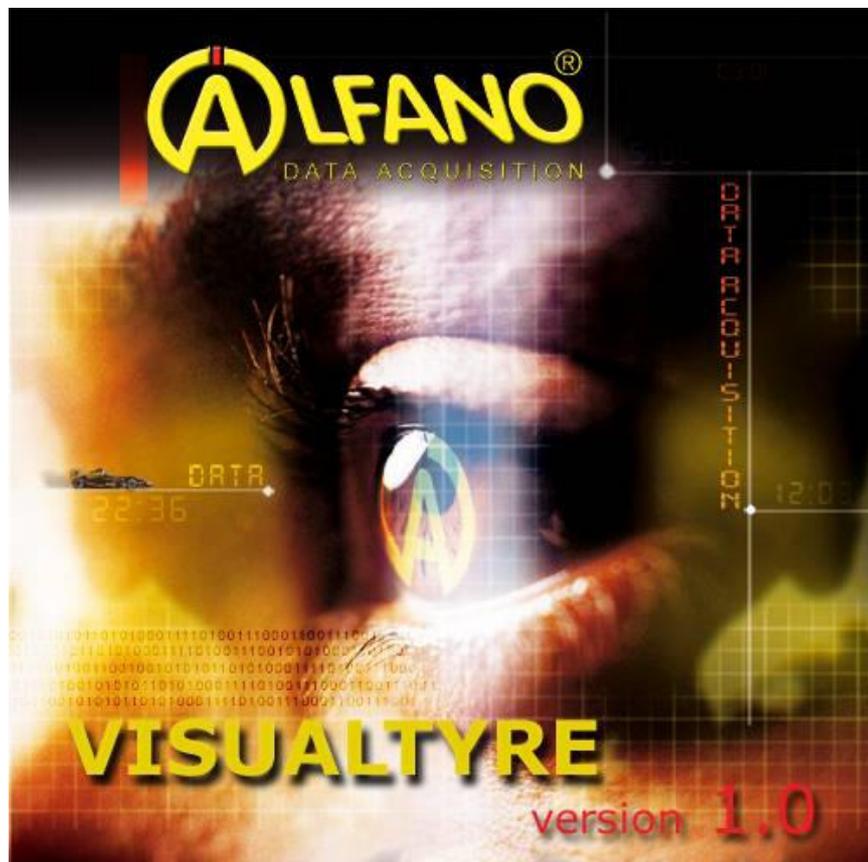

Instructions

for use



This manual refers to the version 1.0, the changes brought in the following versions are not described inside this document.

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When starting the program, the window as shown on Figure 1 opens.

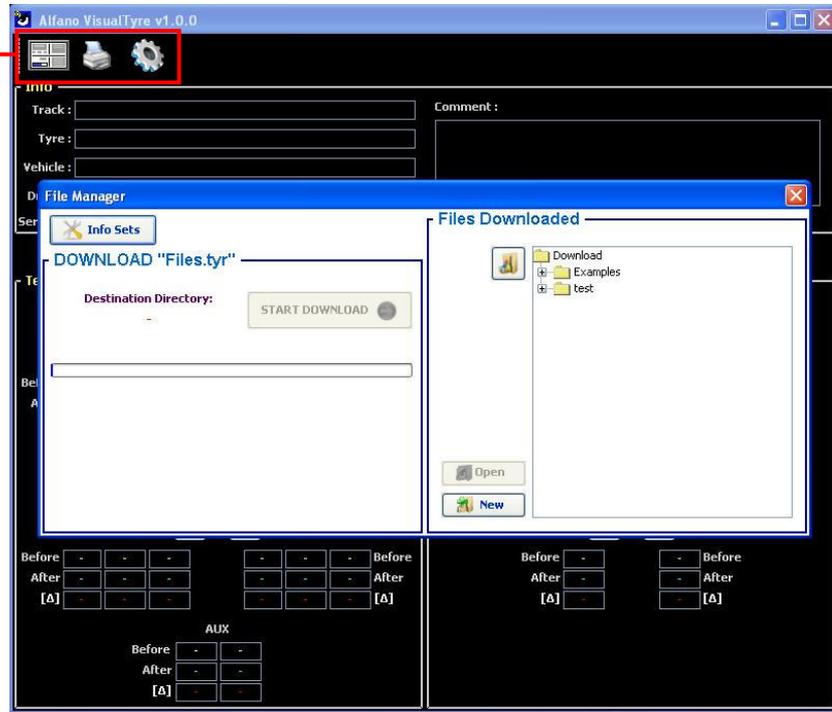


Figure 1. Window opening just after starting the program

The *toolbar* allows to access the functionalities of the program.



Figure 2. Toolbar

File Manager Section

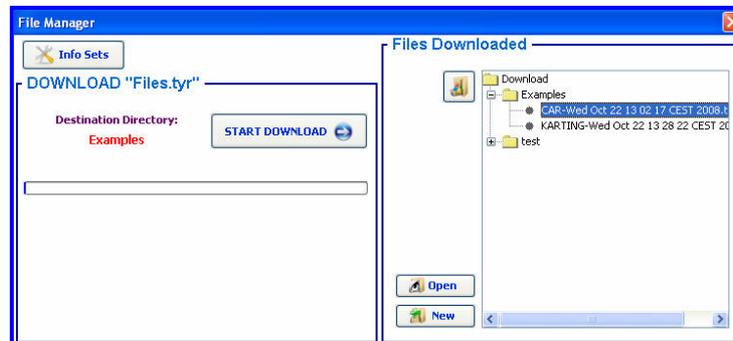
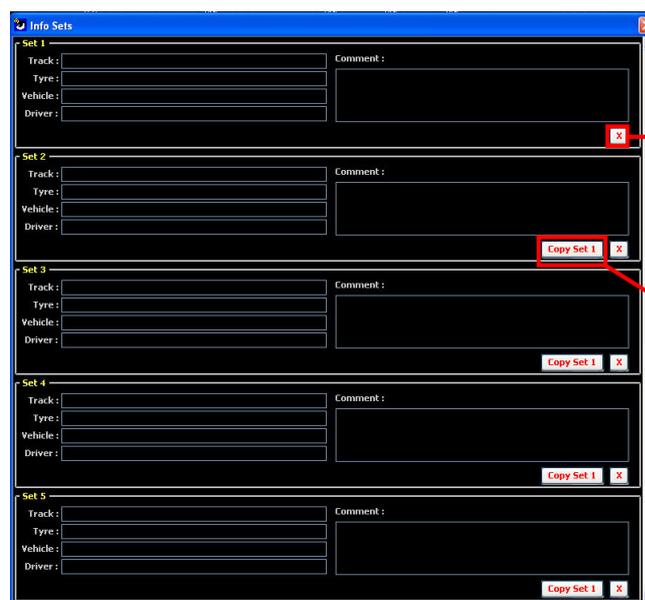


Figure 3. File Manager Section Window

Operations able to be done in this section :



It allows to compile the information by default for each “Set” before downloading the data, those information will automatically be integrated in every .tyr file created.



It empties the content of the boxes of text in the current Set (in this case, the “1”)

Useful to copy the whole content of the Set 1 in the current Set (in this case, the “2”)

Figure 4. Info Sets



It allows to create a new Folder inside which it will be possible to memorize .tyr file.



Figure 5. Useful window to name the new folder

NB : It is not allowed to use special characters (* : \ / ? etc..) on the name given to the new folder.



It allows to download the data from the Tyrecontrol and thus to create a .tyr file.

To use this function, just select a directory of destination (choosing one among the directories created before, or creating a new one using “New” and selecting it just after) on the right side of the section (“File Downloaded”), and successively click on the button “START DOWNLOAD”, the present command on the button will become “STOP DOWNLOAD” usefull to stop the current operation. At the end of the download process, the file containing all the data downloaded will be saved, this file will have the extension .tyr and it will be visualized inside the directory of destination represented in the “Files Downloaded” structure. As you can see on Figure 6, on the downloaded file, varied operations can be done through a *popup* menu with a simple right click on the file on which you want to operate.

The operations that it is possible to do on the .tyr files are the most common operations that are performed on any type of file (Copy, Cut, Paste, Rename and Delete).

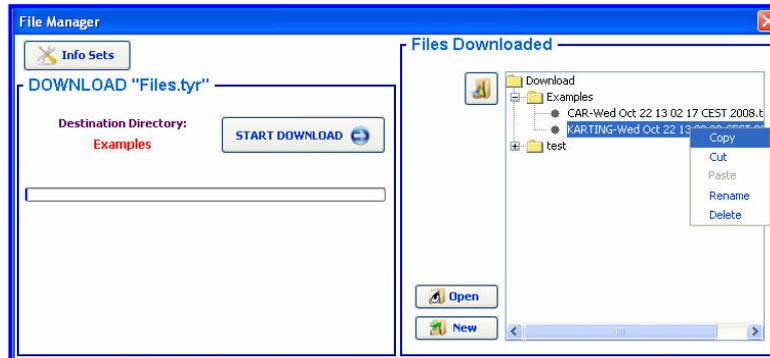


Figure 6. Possible operations to do on .tyr files and on the folders of the structure.

Automatic Synchronization Date and Hour

At the end of each data download process, the program makes a control to check if the date and the hour of the system are synchronized with those of the Tyrecontrol. If the date of the Tyrecontrol is not synchronized with the one of the system, then appears a window represented on Figure 7, asking a confirmation to launch the process of synchronization.



Figure 7. Date synchronization request

If you decide to go on with this operation, then the date of the Tyrecontrol will be synchronized with the one of the system.

If the synchronization is correctly done, a window as per Figure 8 will appear.



Figure 8. Message of confirmation of the date synchronization process



Useful button to open - in a window of Windows - the root of the structure containing all the folders created in which you can find the downloaded .tyr files.



Through the button Open, it is possible to open the selected .tyr file, and therefore to visualize its content. After making a “click” on this button, the program will show the screen like in Figure 9.

The screenshot shows the 'Alfano VisualTyre v1.0.0' application window. The interface is divided into several sections:

- Info Section:** Contains fields for Track (Francorchamps), Tyre (Michelin), Vehicle (Porsche), Driver (jonathan), and Serial N. (100 - 263). A Comment field is also present with the text 'Example Comment'.
- Temperatures Section:** Displays data for five sets (SET 1 to SET 5). SET 1 is selected. It shows 'Before' and 'After' values for temperatures in degrees Celsius (°C) and the change (Δ). A red circle highlights the '°C' unit.
- Pressures Section:** Displays data for five sets (SET 1 to SET 5). SET 1 is selected. It shows 'Before' and 'After' values for pressures in BAR and the change (Δ). A red circle highlights the 'BAR' unit.
- AUX Section:** Shows auxiliary temperature data with 'Before' and 'After' values and change (Δ).

Two callout boxes with red arrows point to specific elements:

- The first callout box, labeled 'Information of the current Set.', points to the Info section.
- The second callout box, labeled 'Units of measure to which temperatures and pressures values are referring to.', points to the '°C' and 'BAR' units.

Figure 9. Visualization of the .tyr file



Those buttons make you able to select the Set you want to visualize the content. In Figure 10, current Set is Set 1.



Clicking on this button makes you able to turn the vehicle 180°, the program will then show a screen as per Figure 10.

Date and Hour relative to the memorization of the temperatures “Before” the race

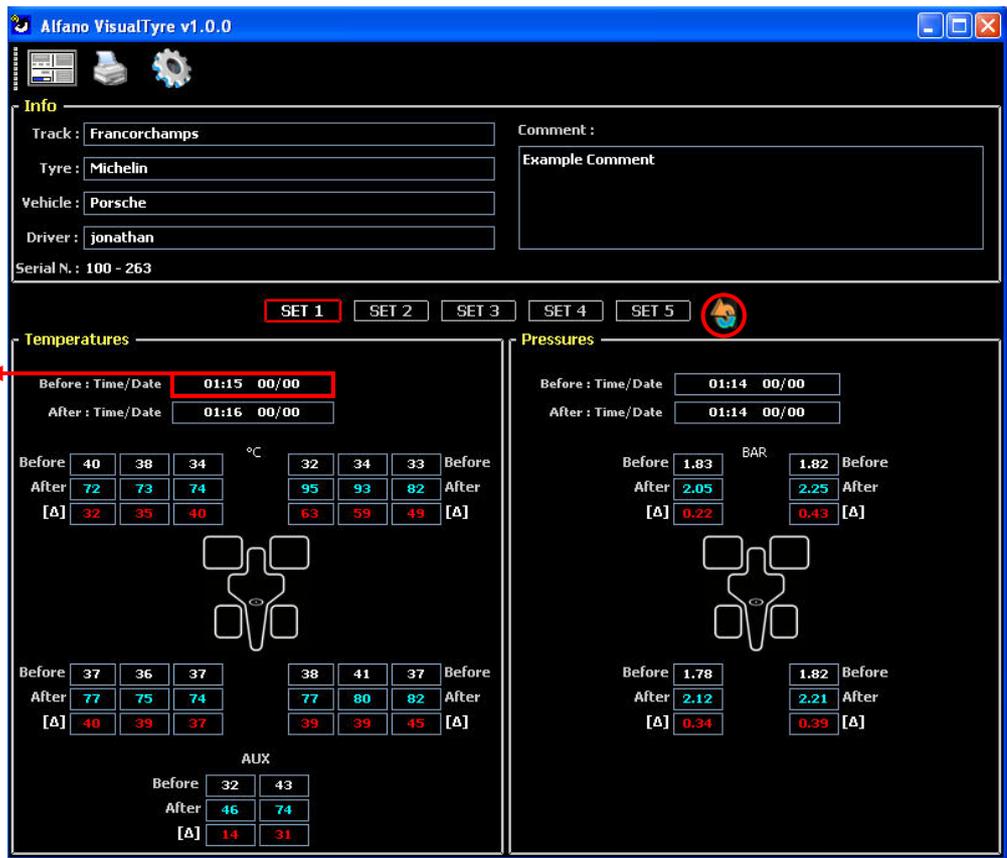


Figure 10. Visualization of the .tyr file with the vehicle turned at 180°

Before : Value Before the race;

After : Value After the race;

[Δ] : Delta = (Value After – Value Before)

Time / Date : Information on time and date given this way :

Hour:Minutes Day/Month

Print Section



During the analyse of the .tyr file, it is possible to print, on a single sheet, the recap of all the information of the 5 Sets.

Before launching the printing, the program gives you a preview that will show the layout of the sheet and its information. You can see a preview example on figure 11.

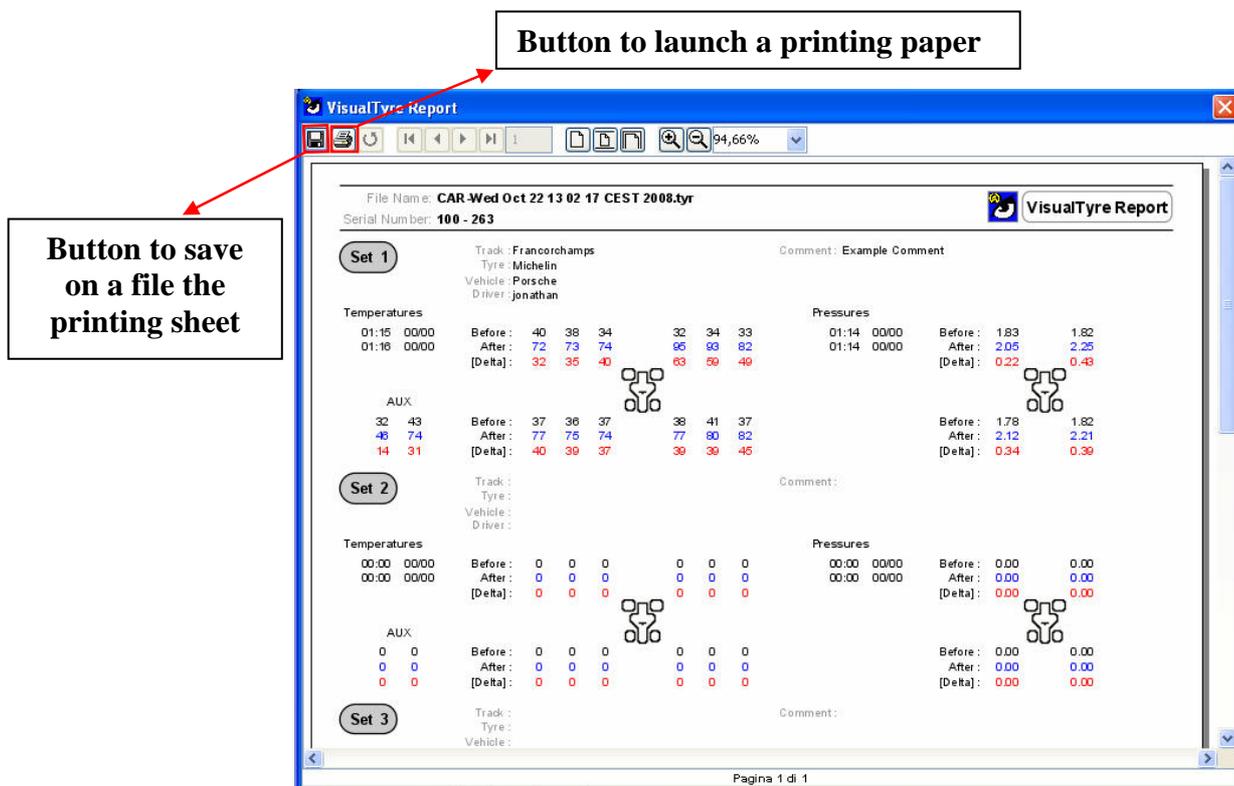


Figure 11. Printing preview of a .tyr file

Over the possibility of printing a paper version of the recap, you can also export it on a file. The accepted formats of export are :

- .PDF;
- .CSV;

General Settings Section

This Section allows to set the units of measure with which the program will interpret the data of Temperatures and Pressures. This section is also helpful to regulate the formulations of the Tyrecontrol and to calibrate the electronic components of Temperatures and Pressures reading of the unit.

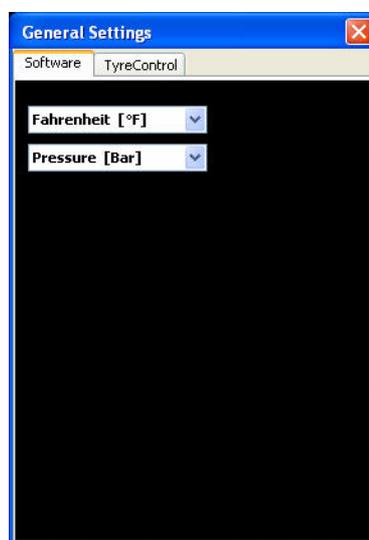


Figure 12. Formulations of the program

The “software” sheet of this section is useful to regulate the units of measure that must be used for the visualization and the printing of the Temperature and Pressures.

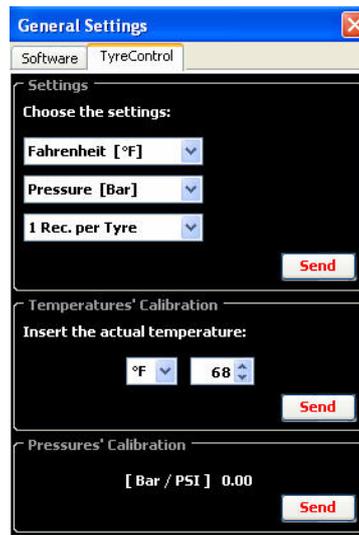


Figure 13. Formulations and calibrations of the Tyrecontrol

Settings :

Used to regulate the settings of Tyrecontrol, particularly :

- Inserts on the tool the reference unit of measure for the Temperatures;
- Inserts on the tool the reference unit of measure for the Pressures;
- Inserts on the tool if the tyre temperature will only be taken at a single place (1 Rec. Per Tyre) or on 3 places of the tyre recording therefore Inside Temperature, Central one and External one for each tyre (3 Rec per Tyre).

Temperatures' Calibration :

Used to calibrate the actual temperature with one inserted by the user.

Pressures' Calibration :

Used to calibrate the Pressure 0.00 [Bar / PSI].

Before making one of the 3 operations, the program visualizes a window to remind user of some useful essential operations for the correct execution of the operation on the Tyrecontrol.

Therefore if the user does not authorize the carrying out of the operation in progress, this will be canceled.

A window of alert/confirmation will open up as per Figure 14.

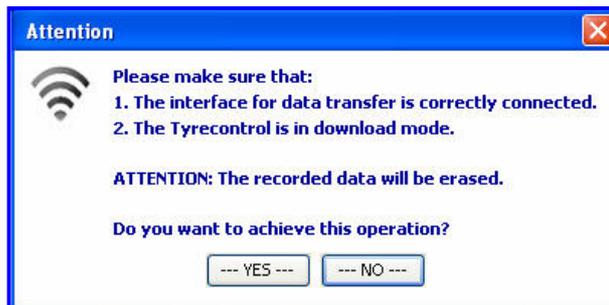


Figure 14. Alert message visualized before sending the “Settings” to the Tyrecontrol

After having confirmed the carrying out of the operation, the program will visualize a screen as per Figure 15.



Figure 15. The program shows this window during the modification of the settings or during the calibration of the Tyrecontrol.



Figure 16. Confirmation of correct execution of the operation on the Tyrecontrol.

NB : After some seconds, the window will automatically disappear. It is not possible to close this window while the operation is in progress on the Tyrecontrol.

All the settings – both those related to the program that those related to the Tyrecontrol – will be permanently memorized on disk. So, once you regulate them, it won't be necessary – on each execution of the program – to change it anymore.