Optifuel
Infomax
V7
User Manual
# Contents

1 Introduction .................................................................................................................. 6  
   1.1 Product presentation ............................................................................................... 6  
2 Vehicle communication set ......................................................................................... 8  
   2.1 Communication set components ............................................................................. 8  
3 Installation/Administration ......................................................................................... 9  
   3.1 Minimum configuration requirements .................................................................... 9  
   3.2 Installation / Registration / Update / Un install ..................................................... 10  
      3.2.1 Installation ....................................................................................................... 10  
      3.2.2 Registration ................................................................................................. 13  
      3.2.3 Updates ....................................................................................................... 17  
      3.2.4 Un installation ............................................................................................. 17  
4 Getting started ............................................................................................................ 18  
   4.1 Starting the software ............................................................................................. 18  
   4.2 Main screen ......................................................................................................... 21  
   4.3 Navigation bar ..................................................................................................... 22  
   4.4 Exiting the software ............................................................................................ 23  
5 General operation of the software ............................................................................. 24  
   5.1 Customisation ..................................................................................................... 24  
   5.2 Introduction ....................................................................................................... 24  
   5.3 General information ........................................................................................... 25  
      5.3.1 Closing modal windows ............................................................................... 25  
      5.3.2 2D Graph ..................................................................................................... 25  
         5.3.2.1 2D Graph ............................................................................................... 25  
         5.3.2.2 Value of the points on a 2D graph ......................................................... 25  
      5.3.3 3D Graph ..................................................................................................... 27  
         5.3.3.1 3D Graph ............................................................................................... 27  
         5.3.3.2 Value of the points on a 3D graph ........................................................ 28  
         5.3.3.3 Zoom on 3D graphs .............................................................................. 29  
         5.3.3.4 3D graph rotation ................................................................................ 30  
         5.3.3.5 “Graph” or “table” format .................................................................. 31  
      5.3.4 Sorting data in tables .................................................................................... 32  
6 Different screens of Optifuel Infomax V7 .................................................................. 33  
   6.1 Home page .......................................................................................................... 33  
   6.2 Quick access screens ............................................................................................ 34  
      6.2.1 Client account management ......................................................................... 34  
         6.2.1.1 Client account setup ............................................................................. 34  
         6.2.1.2 Optifuel Infomax client account ............................................................ 35  
      6.2.2 Vehicle management ..................................................................................... 36  
         6.2.2.1 Vehicle list .............................................................................................. 36  
         6.2.2.2 Vehicle identity sheet ............................................................................ 37  
         6.2.2.3 Groupe de véhicules .............................................................................. 38  
         6.2.2.4 Group description sheet ......................................................................... 39
6.2.3 Support ........................................................................................................................................... 42
  6.2.3.1 Technical support ......................................................................................................................... 42
  6.2.3.2 System information ....................................................................................................................... 43
  6.2.3.3 Discussion log ............................................................................................................................... 44
  6.2.3.4 About Optifuel Infomax ............................................................................................................... 45

6.3 Extraction ............................................................................................................................................... 46
  6.3.1 Extract ............................................................................................................................................ 46
  6.3.2 Extraction synchronization ............................................................................................................... 47
  6.3.3 Speed limit setting ............................................................................................................................ 48
  6.3.4 Extractions log ................................................................................................................................. 50

6.4 Data usage ............................................................................................................................................ 52
  6.4.1 General principle .............................................................................................................................. 52
  6.4.2 Indicators ........................................................................................................................................ 53
    6.4.2.1 Rational driving targets recommended by Renault Trucks ...................................................... 53
    6.4.2.2 Client customisable targets ...................................................................................................... 54
  6.4.3 Vehicle and fleet summary ............................................................................................................. 55
    6.4.3.1 Fleet summary ............................................................................................................................ 55
      6.4.3.1.1 General ................................................................................................................................. 55
      6.4.3.1.2 Advanced filters ................................................................................................................... 56
      6.4.3.1.3 Scatter plots ........................................................................................................................ 56
    6.4.3.2 Vehicle summary ...................................................................................................................... 58
    6.4.3.3 Related screens .......................................................................................................................... 59
      6.4.3.3.1 Comparison .......................................................................................................................... 59
      6.4.3.3.2 Evaluation of differences ................................................................................................... 60
      6.4.3.3.3 Fuel consumption log .......................................................................................................... 61
      6.4.3.3.4 Speed log .............................................................................................................................. 62
      6.4.3.3.5 Idle time log .......................................................................................................................... 63
      6.4.3.3.6 Standard report ..................................................................................................................... 63
      6.4.3.3.7 RExpert report .................................................................................................................... 64
    6.4.3.4 Print and/or save report ............................................................................................................... 64
  6.4.4 Operating parameters ..................................................................................................................... 65

6.5 Tools ..................................................................................................................................................... 66
  6.5.1 Backup/Restore ............................................................................................................................... 66
  6.5.2 Transmit/Integrate ........................................................................................................................... 67

7 Annexure .................................................................................................................................................. 68
  7.1 Icons used in Optifuel Infomax V7 .................................................................................................... 68
  7.2 Communication unit functions (300) ............................................................................................... 69
  7.3 Communication unit functions (020 & 180) ...................................................................................... 70
  7.1 Optifuel Infomax Support .................................................................................................................. 71
Warning

RENAULT TRUCKS grants you a License to use the software.

The installation of the Optifuel Infomax software leads to the acceptance by the user of the terms and conditions of the license agreement. You are requested to carefully read all the terms and conditions in this agreement before installing the software in your computer.

The license agreement can be viewed at two different moments or areas.

- At the time of your registration, mandatory step allowing you to use Optifuel Infomax V7
- Or whenever you require, when you are in Optifuel Infomax V7
  The terms and conditions for use are directly accessible in Optifuel Infomax.

1. Click on the button @
2. In the contextual menu bar, click on "About Optifuel Infomax"
3. Finally, to display the Terms and Conditions of Use, click on the link entitled "Click on this link to view the terms of use"
1 Introduction

In Europe, fuel is one of the major items of expenditure, 25 to 30 %, in the operational cost for a transporter; in some other territories, where labor is less costly, fuel is by far the highest item of expenditure compared to Europe.

The price of fuel will likely continue to rise in the coming years; consequently, fuel will represent a more significant share of the operational cost for the transporter. Renault Trucks proposes a solution to track and analyze the consumption of its brand of trucks to emphasises further the message “Because a truck is a profit center”. Optifuel Infomax solution is adapted for a head of a transport company or a vehicle fleet manager, and particularly for a rational driving trainer targeting drivers.

1.1 Product presentation

Optifuel Infomax is offered in various channels:

- CompleteKit in box format (after-sales kit)
- Complete Kit, in bag format (serial kit)
- Software Kit (after-sales kit)

In the first two cases, apart from the outer packaging, the contents are completely identical. The kits are composed of

1. Optifuel Infomax V7 software with computer support. For Optifuel Infomax V7, the software media is a USB stick to ease its installation on new PCs without a CD/DVD optical drive. The software is accompanied by a “quick start” booklet
2. a label with a registration key
3. a vehicle communication unit
4. Different cables to connect the PC to the vehicle communication unit, and the later to the vehicles of recent generation, with a trapezoid socket (OBD socket) in the cabine. For older generation vehicles, a small extension with around socket will serve as an adaptor.
5. A hardware transportation bag

For the last case (software kit), only elements 1 and 2 are present
Optifuel Infomax V7 is compatible with all the communication interfaces provided after the version 5 (all communication interfaces are connected to a USB plug of the PC). On the other hand, the older communication interfaces with serial PC connectors are no longer compatible from Optifuel Infomax V5.
2 Vehicle communication set

2.1 Communication set components

To be able to use the software and to communicate with the vehicles, you must use a specific communication set.

Attention, the older communication sets, which used the serial PC port, are not compatible with this version of the software. These communications sets can not be operated with the new software.

The vehicle communication set is composed of several elements:

- A communication unit
- A connection cable between the communication unit and the PC (USB)
- A connection cable between the communication unit and the vehicle
- A special adapter for Renault Trucks Euro 2/Euro 3 vehicles fitted with the Optifuel Infomax socket

A complet V7 kit is delivered with a communication set. The communication sets provided with version 5 or version 6 of Optifuel Infomax continue to function with this version 7. The cables of the communication set (0300)* provided with Optifuel Infomax V7 are not compatible with the previous communication units (0020 and 0180)*.

*note: see in Annex (references ending with the noted digits).
3 Installation/Administration

3.1 Minimum configuration requirements

To be able to use the software, your computer must satisfy the following minimum configuration requirements:

<table>
<thead>
<tr>
<th>Computer</th>
<th>PC type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor power</td>
<td>1 GHz</td>
</tr>
<tr>
<td>Memory (RAM)</td>
<td>1 Gb</td>
</tr>
<tr>
<td>Installation of software and wired communication with the vehicle</td>
<td>USB port</td>
</tr>
<tr>
<td>Disk space</td>
<td>500 MB free for installation of the application. From 20 MB to 500 MB for the database (according to the number of extractions).</td>
</tr>
</tbody>
</table>
| Operating system          | Microsoft Windows XP SP3 (x86/x64)  
                            | Microsoft Windows Vista (x86/x64)  
                            | Microsoft Windows Seven (x86/x64)  |
| Administrator rights      | required for installation and use. |
| Graphic resolution        | 1024 X 768         |
| Network                   | Internet connection mandatory for registration of the software and periodic renewal of the password. Moreover, the connection is necessary for the synchronization of extractions |
| Adobe Acrobat Reader      | Version 9 or greater |

You should also be in possession of the communication set (communication cabinet+ associated cables), to connect the vehicle with your computer.
3.2 Installation / Registration / Update / Uninstallation

3.2.1 Installation

Important Information

This version of Optifuel Infomax (Optifuel Infomax V7) will replace the previous version of Optifuel Infomax (Optifuel Infomax V6). The two versions cannot be installed on the same PC. During installation of Optifuel Infomax V7, the process will ask if you wish to migrate your Optifuel Infomax V6 data to your new Optifuel Infomax V7. This choice is irreversible, and cannot be reproposed considering that Optifuel Infomax V6 will no longer be present in your PC.

On the contrary, this software version does not have any influence on your older generations of Optifuel Infomax software (2001 v2.3, 3.0, 4.0 or 5.0). You can therefore use your old version with this new version on the same PC without any problem.

Optifuel Infomax V7 will not migrate the data of Optifuel Infomax V5. If you have Optifuel Infomax V5 on your PC, and you wish to save these old data in your new Optifuel Infomax V7, you will have to migrate them manually with the help of the migration tool.

In order to start, check properly that you are authorized to install software in your PC, and that you have the administration rights in the PC in question.

Insert the USB key in a USB port of your PC. In Windows Explorer you should see this (the letter corresponding to the USB drive can be different).
At the root of the tree structure of the USB key, double click on “launcher.exe”. This double click launches the main installation menu.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Choice of language for the installer. A good number of the following screens are not translated inspite of a choice of language for the installer</td>
</tr>
<tr>
<td>2</td>
<td>To display this guide</td>
</tr>
<tr>
<td>3</td>
<td>To install the necessary drivers so that Windows can recognize the communication unit. This step is indispensable, if you plan to use OptiFuel Infomax for the wired extractions on the vehicles. On the other hand, if you plan not to do wired extractions physically with a PC, it is not necessary to carry out this step with the concerned PC</td>
</tr>
<tr>
<td>4</td>
<td>Installation of OptiFuel Infomax V7, which will replace OptiFuel Infomax V6 in your PC. This step also proceeds with verification of component libraries of your Windows. If the “Framework .NET” and “SQL Server Compact” components of Microsoft are not present, it proceeds with their installation.</td>
</tr>
<tr>
<td>5</td>
<td>Installation of the tool for migration of OptiFuel Infomax V5 to OptiFuel Infomax V7 (to be installed in the PC in which OptiFuel Infomax V5 is installed)</td>
</tr>
<tr>
<td>6</td>
<td>To install Acrobat Reader, software for reading the PDF files</td>
</tr>
</tbody>
</table>
| 7 | For quitting installation  
- without having installed anything  
- having executed partial installation  
- having executed installation of all the components |
Step 3: Installation of the communication unit drivers. No information is required.

Step 4: Concatenation of installation screens of Optifuel Infomax V7

After the brief appearance of some intermediate screens, the installation stops on a screen enabling you to choose the installation directory.

By default, the software is installed in the directory `C:\Program Files\Renault Trucks\Optifuel Infomax v7` and will be accessible through all the Windows profiles of the PC.

You can specify another installation path if you wish.
Viewing the Progress of installation

End of installation

Your software is now installed. You should find a new icon on the Windows desktop, making it possible to start the application

3.2.2 Registration

Optifuel Infomax V7 requires that you are registered to use the software. The registration of Optifuel Infomax V7 is more important than for the previous versions. To ensure additional safety of data of your vehicles, from now on, at the time of use, you must identify yourself through an Optifuel Infomax Account (Email address for
external users of the Group or User ID for internal users of the Group) and a Password. It is through the information that you have provided at the time of registration, that you can obtain the identifiers necessary for current use of Optifuel Infomax V7.

The registration should be done while the PC is connected to the Internet.

During the initial launch of Optifuel Infomax V7, the following window is displayed:

During the initial launch of Optifuel Infomax V7, the following window is displayed:

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>For quitting without registering. If you quit without registering, the registration screen will be presented again when Optifuel Infomax is launched the next time.</td>
</tr>
<tr>
<td>2</td>
<td>It is the first time you are installing Optifuel Infomax V7. You never had your identifiers for logging in. Note: The identifiers for the previous versions (Optifuel Infomax V5 or Optifuel Infomax V6 cannot be used for Optifuel Infomax V7).</td>
</tr>
<tr>
<td>3</td>
<td>You have already installed Optifuel Infomax V7, and you already have your identifiers, in this PC or in another PC (if it is a reinstallation, or a new installation).</td>
</tr>
</tbody>
</table>

Case 2: It is the first time that you are installing Optifuel Infomax V7 and you do not have your identifiers.

Optifuel Infomax V7 presents a screen for entering the information necessary for creation of your identifiers (Optifuel Infomax account and password). Most of the fields are mandatory. Be particularly careful while entering the e-mail address, because your identifiers will be sent to the address provided.
You should go through the conditions for use and accept them.

When all the mandatory fields are filled, and you have checked the box to accept the general conditions for use, click on **Register**. Within the next few seconds, a window will inform you that the registration has taken place correctly.

Check your email inbox, for the email address that you have entered in the registration form. A few minutes after registration, you will receive a notification, giving you the identifiers.
If necessary, check that the email has not been redirected to your spam folder.

Case 3: You have already installed Optifuel Infomax V7 and you already have your identifiers

Optifuel Infomax V7 is provided with a License Key which authorizes you for a maximum of three installations. If you install Optifuel Infomax V7 a second time (on a second PC), or if you reinstall Optifuel Infomax V7 on the same PC, after formatting the hard disk for example, you will be in the “User account already existing” case.

For example (this is only an example of what you will do with a multiple License Keys):

- You can install Optifuel Infomax V7 on a desktop PC (with a comfortable monitor), for data analysis
- You can install Optifuel Infomax V7 simultaneously on a lightweight laptop, reserved for performing extractions from the vehicles
- At the time of the very first extraction on a vehicle (with laptop), send this extraction, and integrate it in the desktop PC. For every new vehicle, do not forget this step to “send from one PC / integrate in the second”, or else, the synchronization will not take place in the second PC.
• Every new extraction performed on the vehicle, by means of a laptop, will be automatically synchronized in the desktop PC (on condition of not deactivating the synchronization function)

Note: If you have already used the License Key three times, and you want to use it on a fourth laptop, you will have to call Support to replace an inactive laptop.

3.2.3 Updates
Optifuel Infomax V7 manages its own updates. For this it is necessary that you connect your PC over the Internet network. If an update is available, it is proposed when Optifuel Infomax is launched.

Optifuel Infomax V7 manages two types of updates

• Optional: You can choose to install it immediately or later. If you choose “later”, the update will be proposed to you a each launch of Optifuel Infomax.

• Mandatory: You cannot defer the update to a later time because it is supposed to correct a serious issue. The only option for you is either to accept the update or shut down Optifuel Infomax. If you choose to shut down, the update will be proposed to you again during at the next launch of Optifuel Infomax.

3.2.4 Uninstall
To remove the software from your computer:

• From the Start Windows menu, click on the sub-menu [Optifuel Infomax V7]
• Click on [Uninstall Optifuel Infomax V7]
• The uninstallation programme starts.
• Follow the messages displayed on the screen.

At the time of installation, Optifuel Infomax V7 installs other components which cannot be uninstalled by the standard program, particularly:

• From the Start Windows menu, click on the sub-menu [Control Panel]
• Based on your version of Windows, go to the Windows screen for uninstalling the programs
• The program to be uninstalled is “BAF Business Application Framework”
4 Getting started

4.1 Starting the software

You can run your software from:

- the icon on the Windows desktop
  - Double-click on the icon

- from the Start menu,
  - Click on the [Start] button in the task bar to open the Start menu.
  - Select [Programs] to open the Programs folder.
  - Select [Optifuel Infomax V7] to open the Optifuel Infomax V7 folder.
  - Click on [Optifuel Infomax V7].

- from the Workstation or from Windows Explorer.
  - Navigate to the Optifuel Infomax folder specified during the installation procedure (see 3.2.1).
    If you have used the default installation directory, the file is located in the following location:
    C:\Program Files\Renault Trucks\Optifuel Infomax v7\Optifuel Infomax.

A temporary image appears as the software starts
OPTIFUEL INFOMAX V7
User Manual

It is then replaced by the main screen

To continue, you must enter in this window, the identifiers which have been provided to you by email. During initial launch of Optifuel Infomax V7, it is necessary to be connected to the Internet. Optifuel Infomax V7 requests you to change the password. In case of loss, Support will not be able to retrieve your password and it will be mandatory to re-initialize the software.

Attention: If you enter a wrong password more than three times, your Optifuel Infomax account will be blocked. To unblock it, contact Optifuel Infomax support.

In case of loss of your identifiers, or blockage of the password, contact support (see in Annex, the website address enabling you to find the appropriate telephone no.). Before calling, keep your License number ready.

This identification window will be displayed at each launch of Optifuel Infomax V7, but this window can take two different forms:

1. When you are connected to the Internet, you will have to provide your Optifuel Infomax account AND your password

2. When working “not connected” (to an Internet network), only the Optifuel Infomax account is required. The “Password” field is then greyed (not accessible).

Through the Internet connection, Optifuel Infomax V7 recovers additional security elements, which will enable you to extract the vehicle data.
Note: A periodical connection (at least once every 60 days), to the internet is mandatory for the operation of Optifuel Infomax V7 for two reasons

1. To renew the password

2. To recover additional security elements for extraction of vehicle that may have expired.

At each launch of Optifuel Infomax V7, the software verifies if it should perform synchronizations.
4.2 Main screen

The overall ergonomy of the software has been deliberately designed to enable intuitive use.

The screen is divided into three large areas

<table>
<thead>
<tr>
<th>1</th>
<th>Navigation bar and Contextual menu bar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>It is present permanently on all the screens, except on modal windows</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>Data display field</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The contents of this field are based on the choice made via the navigation bar and the contextual menu bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Status field</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This field is used to give information of type short message, alerts, etc.</td>
</tr>
</tbody>
</table>
4.3 Navigation bar

It is composed of several fields:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Access to major software functions</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>A contextual menu bar linked to the major function chosen</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>A field comprising the buttons for quick access to the functions</td>
<td></td>
</tr>
</tbody>
</table>

Composition of the quick access buttons field

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>🔄</td>
<td>Manual synchronization of extractions (ref.6.3.2)</td>
</tr>
<tr>
<td>👤</td>
<td>Access to the Client account management functions</td>
</tr>
<tr>
<td>🚑</td>
<td>Access to the vehicle fleet configuration functions</td>
</tr>
<tr>
<td>⌐</td>
<td>Access to product support information.</td>
</tr>
<tr>
<td>🎉</td>
<td>Access to help on the product.</td>
</tr>
</tbody>
</table>
4.4 Exiting the software

Use one of the following methods to quit the software:

- Press the keys [ALT] and [F4] on your keyboard at the same time
- Click on the cross with the red background in the top right of the Windows window

Then, confirm that you want to quit Optifuel Infomax
5 General operation of the software

5.1 Customisation
It is recommended to proceed with the customization of your software. For this, refer to the section Client account configuration (ref. 6.2.1)

5.2 Introduction
Main use includes two phases:

- The communication phase, either with the vehicle or with the Renault Trucks central server.
  - The connection between the vehicle and the PC includes the extraction of data contained in the ECUs and their registration in the local PC database
  - Connection between the PC and Renault Trucks requires network availability and available extractions (cf. 6.3.2)

- The results handling phase on the screen in the form of a report and if necessary, a paper printout

Other functions are available and are to be executed periodically or up on request according to your need:

- Back-up or Restoration of the local PC database in the form of a file: it enables storage of your data on a support different form the hard disk of your PC

- Transmission or Integration of information pertaining to the extractions: it enables data exchange between two PCs
5.3 General information

5.3.1 Closing modal windows

Your software consists of different types of screens or windows. Some of these windows (called modal windows) open in the foreground and prevent access to information in the background.

To close these modal windows, use the Microsoft Windows cross in the top right of the window.

5.3.2 2D Graph

5.3.2.1 2D Graph

Your software provides links to two-dimensional graphs (also called “2D graphs”).

[Image of a graph showing the use of brakes with bars representing different types of braking and percentages for each category.]
5.3.2.2 Value of the points on a 2D graph

There is a function to find out the precise values of a point on a 2D graph.

Simply place your mouse cursor on the bar of the required point and this becomes yellow (without clicking and without keeping the button pressed, etc.). Do not move the mouse. The precise value is given.
5.3.3 3D Graph

5.3.3.1 3D Graph

Your software provides links to three-dimensional graphs (also called "3D graphs").
5.3.3.2 Value of the points on a 3D graph

There is a function to find out the precise values of a point on a 3D graph.

Simply place your mouse cursor on the bar of the required point and this becomes white (without clicking and without keeping the button pressed, etc.).
Do not move the mouse.
You get the precise value and the values corresponding to the x-axis and the y-axis.
5.3.3.3 Zoom on 3D graphs

A function allows you to zoom in on the graph. To do this, your PC must be equipped with a mouse with a wheel.

1. Click on any point on the graph

2. Press and hold the function key [Alt] on the keyboard and use the mouse wheel. Zoom in by rotating the wheel in one direction (graph is magnified) and zoom out by rotating the wheel in the opposite direction (graph shrinks)

3. If you close the graph window and then re-open it, the graph shown is based on the initial setting (the size you selected is not retained)
5.3.3.4 3D graph rotation

A function allows you to rotate a 3D graph in space to view the value of the points in the background.

1. Click on any point on the graph
2. Press and hold the function key [Alt] on the keyboard and hold down the left-hand mouse button. Rotate the graph in space by moving the mouse
3. If you close the graph window and then re-open it, the graph shown is based on the initial setting (the viewing angle you selected is not retained)
5.3.3.5 “Graph” or “table” format

A link makes it possible to view a “3D graph” either in a bar graph format (previous §), or in “table of values” format.

For this, click on the link Graphique 3D/Tableau.

Note: The columns in green represent the green zone of the vehicle.

![Graph and Table](image-url)
5.3.4 Sorting data in tables

Optifuel Infomax contains a number of tables. You can sort data by any column in ascending or descending order. To do this, simply click on the column header you are interested in.

Click on the column header to sort. The table rows are sorted in ascending or descending order based on the values contained in the column selected.

A small triangle-shaped icon is displayed to indicate which column has been sorted and the order of the sort.

- Tip facing upward: sort in ascending order
- Tip facing downward: sort in descending order

Click on the column header again. The table rows are sorted in the opposite direction to the initial sort.
6 Different screens of Optifuel Infomax V7

6.1 Home page

Except for the banner which is common to all the screens, the home screen enables access to the following functions

- Control panel: giving succinct General Information on the number of vehicles tracked in Optifuel Infomax, and the number of vehicles which have not had any extractions over a configurable time (ref. 6.2.1.1)
- Short-cut : giving quick links on the 4 most used functions of Optifuel Infomax
- General information: a link “Did you know this”, pointing to the dynamic information changing in time
6.2 Quick access screens

6.2.1 Client account management

6.2.1.1 Client account setup

Choice of language in which information is displayed.

Choice of unit of measurement in which results are displayed.

Vehicle identification option for all application windows (fleet summary, vehicle summary, reports, etc.).

In the fleet overview, a path is the result of calculations between the extractions for start of period and end of period. At the time of opening of Optifuel Infomax V7, the end of extraction period is always the most recent one. This Option enables to choose by default, the date of start of extraction period.

Option enabling customization of Optifuel Infomax V7 to the colors of your company by replacing the logo of the home page, under “General Information”

Option whether or not to authorize deletion of targets from the "Operating parameters“ screen.
Note: by default, this option is disabled

Enable the alert option for vehicles with no recent extractions. If this option is enabled, specify the period from which the alert is active.
The alert is displayed on the home page of Optifuel Infomax V7 and on the fleet summary.
In the fleet overview screen, the icon symbolizes the alert for the vehicles not following this configuration.
6.2.1.2 Optifuel Infomax client account

The client enters his personal information.

Areas whose name is marked by an asterisk* are mandatory fields to be filled in.

The data are those which you have furnished at the time of registration. These data are centralized at Renault Trucks.

The modification of this information is made directly from this screen. For this, you must be connected to the Internet network.
### 6.2.2 Vehicle management

#### 6.2.2.1 Vehicle list

A vehicle is recognised and an identity sheet is created automatically (if it is unknown on your PC) during the communication and data extraction phase.

By default, a newly created vehicle is identified by its fabrication number (unique number for each vehicle).

Once created, you can then access its identity sheet for completion or editing.

![Vehicle list interface](image)

**Vehicle editing/creation:**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>List of vehicles contained in the database. If the &quot;Fleet&quot; selection is enabled, the list contains all the vehicles in the fleet. If the &quot;Group&quot; selection is enabled, a selection area allows you to choose the groups specified by clients + a special value &quot;vehicles without a group&quot;. The latter allows you to find all the vehicles not allocated to a group, in order to allocate them if required. Click on the vehicle selected to access its identity sheet</td>
</tr>
<tr>
<td>2</td>
<td>The &quot;Sync&quot; option enables/disables the synchronization of extractions relating to this vehicle. By default, the synchronization function is enabled.</td>
</tr>
<tr>
<td>3</td>
<td>Select the vehicle(s) to delete</td>
</tr>
</tbody>
</table>

**Vehicle deletion:**

Select the vehicle(s) to delete.
6.2.2.2 Vehicle identity sheet

On the previous screen “List of vehicles”, click on the vehicle chosen, in the “Vehicle” column.

View/edit vehicle information:

The sheet includes an area for specifying vehicle specifications and an area for allocation to groups.

To edit the sheet, simply go to the field(s) to modify. All changes made will be saved automatically when the modal window is closed.

You can complete and/or modify the following vehicle identification details:

- Model
- Date of entry into service
- VIN number
- Fleet number (company specific vehicle identification)
- Registration number
• Gearbox type
• Comments
• Enable/disable synchronization

If vehicle groups have been created, you can allocate the vehicle to one or more groups.

To create, modify or delete a group, use the “Vehicle groups” menu (cf. 6.2.2.3).

6.2.2.3 Groupe de véhicules

The concept of a vehicle group is useful for handling and access to your vehicle data. It is essential in order to make comparisons between similar groups of vehicles and to refine your diagnostics.

You have the option of allocating a vehicle to as many groups as you want.

As an example, you have a vehicle fleet T. Based on the type of cabin, certain vehicles are allocated for daily missions (re-entering the base every evening) or weekly missions (re-entering the base at the end of the week). You also have vehicles of range D, for performing local distribution (re-entering the base every evening).

You can then create four groups with the headings:

• T Range Vehicles
• D Range Vehicles
• Local Vehicles
• Long distance vehicles

You can allocate your vehicles as follows:

• All vehicles of the T Range of your vehicle fleet to the group “T Range Vehicles”
• All vehicles of the D Range of your vehicle fleet to the group “D Range Vehicles”
• Certain vehicles of the T Range of your vehicle fleet, as well as all vehicles of D Range which are reserved for local tours, to the group “Local Vehicles”
• Other vehicles of the T Range of your vehicle fleet, reserved for long distances, to the group “Long distance Vehicles”
Click on the button “Creation” to create a new group. It is not necessary to have created a vehicle in order to specify a group.

Click on the name of the group to access its descriptive sheet.

Deletion of a vehicle group:

Select the group(s) to delete

Click on the "Delete" button. This will have no effect either on the vehicle information contained in it or on the associated extractions. A confirmation message is displayed before definitive deletion.

The button is only active if at least one group is selected.

6.2.2.4 Group description sheet

There are two modes:

- Creation
- View/edit
You must enter the name of a vehicle group for identification purposes. This name must be unique.

If the group name is not explicit enough, you can add a group description.

You have the choice of two actions:

- Click on the "Confirm" button. This button is displayed when a group name is entered. The group will then be created and you move on to view/edit mode

- Close the modal window. The vehicle group creation procedure will be interrupted. The group will not be created.
To edit a group, simply go to the field(s) to modify.

You can then modify the content of the group

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;</td>
<td>Add all vehicles “outside the group” to the group</td>
</tr>
<tr>
<td>&gt;</td>
<td>Add the selected vehicle(s) to the group</td>
</tr>
<tr>
<td>&lt;</td>
<td>Remove the selected vehicle(s) from the group</td>
</tr>
<tr>
<td>&lt;&lt;</td>
<td>Remove all vehicles from the group</td>
</tr>
</tbody>
</table>

All changes made will be saved automatically when the modal window is closed.
6.2.3 Support

6.2.3.1 Technical support

This screen provides the information to contact Renault Trucks if necessary.

The information on this screen takes priority over the information contained in the on-line help.
6.2.3.2 System information

The purpose of this screen is two-fold:

- It compares your PC capacity and settings to the pre-requisites needed for the software to operate correctly. These pre-requisites are described in the section on Minimum configuration (cf. 2.1) and shown on the box and the CD case containing the software.

  For each point, it states whether the component satisfies the pre-requisite. Otherwise, an icon highlights the defect. Renault Trucks cannot be held responsible for non-operation of the software if at least one of the components is non-compliant.

- It offers a link to open the Windows System window quickly for a dialogue facility with the Renault Trucks Hotline.
6.2.3.3 Discussion log

The discussion log lists the main actions taken relating to the database. It acts as a log, both for you and for the Renault Trucks Hotline, who may ask you for this information if you contact them.

This screen contains a filter area and the table of actions.
6.2.3.4 About Optifuel Infomax

This screen provides information about the registration of your version of Optifuel Infomax (serial number, CD key, terms of use).

It also shows the version of Optifuel Infomax installed.

When the vehicle communication unit is connected, information about the unit is displayed in the "Unit" area.
6.3 Extraction

6.3.1 Extract

This function allows you to extract the information from your vehicle.

It takes place in two stages:

- Extraction preparation,
- Extraction.

Extraction preparation

Attention: To be able to extract data from a vehicle, you should have previously launched Optifuel Infomax V7 with your PC connected to the Internet at least once every 60 days, to renew the additional essential security elements to be able to perform extractions. If you do not follow this instruction and you connect your PC to your vehicle without renewing these security elements, a message will inform you that you cannot proceed with the extraction. This is a procedure which cannot be bypassed.

Then, you must simply follow the instructions present on the screen.

When the specific Renault Trucks cable is connected to your PC and is recognised by Windows, the extraction start button will be displayed.

When you have carried out all the checks, click on the "Extract" button.

You then move straight on to the extraction phase.
Extraction

The extraction process can be broken down into four stages:

- Communication preparation: connection check with the vehicle and identification via the on-board computer.
- Vehicle identification: Optifuel Infomax determines whether the vehicle connected is already present in its database. If the vehicle does not exist, a sheet is created automatically.
- Recorded data read procedure: the data contained in the on-board database is read.
- Extracted data save procedure: the data read are copied locally to your PC.

A Windows window is present throughout the entire extraction process and displays a progress bar. Caution: do not close this window.

The process can be ended before it is completed by clicking on the "Interrupt" button. In this case, the extraction is not saved in the database.

6.3.2 Extraction synchronization

Optifuel Infomax V7 incorporates a vehicle data synchronization function.

Vehicle data is stored centrally at Renault Trucks so that it can be shared with the various Optifuel Infomax installations for your company.
The synchronization function is activated by default, for each vehicle tracked in Optifuel Infomax. If you wish, you can deactivate the synchronization for one or several vehicles, or for your entire fleet (ref.6.2.2.1).

The synchronization function runs automatically when starting Optifuel Infomax and is suggested when closing it, i.e., at each opening or closing, Optifuel Infomax verifies if there are existing extractions in the central database and absent in your local system, and vice versa.

During a work session with Optifuel Infomax, you can manually trigger synchronization, by means of the button in the banner.

| Click to force the synchronization. |
| Synchronization in progress with progress percentage displayed |
| Synchronization complete. The date and time of the last synchronization are available |

Note: if data was added between the last synchronization and shutting down Optifuel Infomax V6, the application offers to perform synchronization.

6.3.3 Speed limit setting

This function enables you to sub-limit the standard speed of your vehicle. This configuration will only be taken into account by the vehicle if it is lower than the legal threshold. It will always be possible for you to return to the original state of the vehicle, i.e., putting the maximum legal value.

This is sometimes used to reduce fuel consumption.

This function takes place in two stages:

- Parameter settings preparation
- Speed limit parameter setting

The new parameter settings will take effect after switching off the ignition.
Setting parameters preparation

Simply follow the instructions shown on the screen.

When the specific Renault Trucks cable is connected to your PC and is recognised by Windows, the parameter settings start button will be displayed.

When you have carried out all the checks, click on the “Continue” button in the middle of the screen.

You then move straight on to the parameter settings phase.

Speed limit parameter setting

The parameter settings process consists of four stages:

- Communication preparation: connection check with the vehicle and identification via the on-board computer.
- Vehicle identification and reading the limit recorded for this vehicle
- Enter the new maximum speed value and value activation
- Entry confirmation
If you do not want to update the speed threshold in the vehicle, it is enough to quit this screen, by opening any other screen of your choice.

This action can be performed as often as you like and to disable the speed limit you have just set, simply untick the "Active" box.

6.3.4 Extractions log

All of the extractions contained in the database on your PC can be accessed from this screen.

The first available zone enables to refine the content of the table displayed.
The first available area is used to refine the content of the table displayed.

The table offers you the following options:

- Export to CSV format (compatible with Microsoft Excel)
- Deletion of an extraction

The "Export" and "Delete" buttons are only available if at least one extraction is selected.
6.4 Data usage

6.4.1 General principle

The purpose of the software is to identify the possible source(s) of high fuel consumption and incorrect use of the vehicle.

Data handling presents different screens and reports for analysing the information saved in the database when performing extractions.

Navigate between these different screens and reports as follows:
6.4.2 Indicators
The vehicle and fleet summary screens display tables with coloured indicators. Here is a quick overview of how the colour codes work:

6.4.2.1 Rational driving targets recommended by Renault Trucks

<table>
<thead>
<tr>
<th>Average consumption using cruise control / total average consumption</th>
<th>Long distance</th>
<th>Distribution</th>
<th>Construction</th>
<th>Not defined</th>
</tr>
</thead>
<tbody>
<tr>
<td>90%</td>
<td>100%</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>% Fuel consumption in economy zone</th>
<th>80%</th>
<th>90%</th>
<th>60%</th>
<th>80%</th>
<th>55%</th>
<th>75%</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚠️</td>
<td>⚠️</td>
<td>⚩</td>
<td>⚠️</td>
<td>⚩</td>
<td>⚠️</td>
<td>⚩</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>% Fuel consumption outside of economy zone</th>
<th>5%</th>
<th>10%</th>
<th>7,5%</th>
<th>15%</th>
<th>15%</th>
<th>30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚩</td>
<td>⚠️</td>
<td>⚠️</td>
<td>⚩</td>
<td>⚠️</td>
<td>⚩</td>
<td>⚢</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>% Fuel consumption at idle</th>
<th>1,5%</th>
<th>2,5%</th>
<th>2%</th>
<th>5%</th>
<th>3%</th>
<th>6%</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚩</td>
<td>⚠️</td>
<td>⚠️</td>
<td>⚩</td>
<td>⚠️</td>
<td>⚩</td>
<td>⚢</td>
</tr>
</tbody>
</table>

### Rational driving objectives recommended by Renault Trucks

- ![Green Checkmark] All manufacturer objectives have been achieved
- ![Neutral] None of the objectives shows a significant deviation. - At least one of the objectives shows a slight deviation
- ![Red Exclamation Mark] At least one of the objectives shows a significant deviation
- ![Gray Arrow] The type of mission is not specified
### 6.4.2.2 Client customisable targets

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>The target you set was achieved</td>
</tr>
<tr>
<td>=~</td>
<td>Difference &lt;5% compared to the target you set.</td>
</tr>
<tr>
<td>🔴</td>
<td>Difference &gt;5% compared to the target you set.</td>
</tr>
<tr>
<td></td>
<td>No target was set</td>
</tr>
</tbody>
</table>
6.4.3 Vehicle and fleet summary

6.4.3.1 Fleet summary

6.4.3.1.1 General

The fleet summary screen shows a reporting table with all vehicles for the fleet or vehicle group selected. This reporting table provides the information needed to discover the status of vehicles in your fleet, your group and in relation to one another.

1. Click on the vehicle link to open the vehicle summary screen
2. Choose the journey reference period (between two consecutive extractions or not)
3. View the status of the journey relative to the rational driving targets recommended by Renault Trucks (cf. 6.4.2.1)
   - Click to open the corresponding journey report (cf. 6.4.3.3.6 and cf. 6.4.3.3.7)
4. View the average fuel consumption and its status compared to the target you set for yourself (cf. 6.4.2.2)
   - Click to open a window showing the fuel consumption log (cf. 6.4.3.3.3)
5. View the average commercial speed and its status compared to the target you set for yourself (cf. 6.4.2.2)
   - Click to open a window showing the commercial speed log (cf. 6.4.3.3.4)
6. View the time spent at idle and its status compared to the target you set for yourself (cf. 6.4.2.2)
   - Click to open a window showing the idle time log (cf. 6.4.3.3.5).
### 6.4.3.1.2 Advanced filters

Click on ☰ to open the advanced filter window

You can select the vehicle according to its status in the Renault Trucks objectives, its status on the customizable objectives, and/or on the results of the path.

The **OK** button closes the advanced filter window and applies the filter that you have configured.

The **Reset** button deletes the concept of filter, and closes the window. All the vehicles are thus visible.

The main screen button then takes the form ☰ showing you that a filter is applied. It is sufficient for you to click on this button to return to the status “without filter” ☰.

If you click again on the advanced filter button ☰, it will lead to the re-opening of the configuration window in which you will find your previous configuration.

### 6.4.3.1.3 Scatter plots

Click on ☰, to open the customization screen for objectives, corresponding to the vehicle line (ref. 6.4.4)

After having selected the vehicles via the boxes to tick (2 to 4 selections), click on the link to access the comparison report

After having selected the vehicles via the boxes to tick (2 selections), click on the link to access the difference evaluation report

Switch to scatter points mode (cf. 6.4.3.1.3)

Switch to list mode

The Filter is not applied. Click to activate it

The Filter is applied. Click to deactivate it
The fleet summary can be switched to scatter plot mode, which helps to visually identify vehicles with differences.

There is a function to find out the precise values of a point:

Simply place your mouse pointer on the required point and leave it there.
You then obtain the vehicle description and the data relating to it.

Click on to return to the list mode
6.4.3.2 Vehicle summary

This is used to select the vehicle concerned

Select the type of report you want to view:
- Standard Report: summary report
- Expert Report: complete report

View the status of the journey relative to the rational driving targets recommended by Renault Trucks (cf. 6.4.2.1)
Click to open the corresponding journey report (cf. 6.4.3.3.6 and cf. 6.4.3.3.7)

View the average fuel consumption and its status compared to the target you set for yourself (cf. 6.4.2.2)
Click to open a window showing the fuel consumption log. (cf. 6.4.3.3.3)

View the average commercial speed and its status compared to the target you set for yourself (cf. 6.4.2.2)
Click to open a window showing the commercial speed log (cf. 6.4.3.3.4)

View the time spent at idle and its status compared to the target you set for yourself (cf. 6.4.2.2)
Click to open a window showing the idle time lo. (cf. 6.4.3.3.5)

Click on 7, to open the customization screen for objectives of the vehicle (cf. 6.4.4)

After having selected the journeys via the boxes to tick (2 to 4 selections), click on the link to access the comparison report.

After having selected the journeys via the boxes to tick (2 selections), click on the link to access the difference evaluation report.
6.4.3.3 Related screens

6.4.3.3.1 Comparison

The vehicle comparison (fleet summary) or journey comparison (vehicle summary) quickly display two to four reports on a single page.

The comparison can also be made for graphs and tables by clicking on 3D graphic/Table in the comparison report.
6.4.3.3.2 Evaluation of differences

1. Manufacturer/client target indicators

2. Evaluating the difference: absolute difference (percentage)

3. Highlighting the best value (value in bold and boxed area)
6.4.3.3.3 Fuel consumption log

This displays the fuel consumption log for the last 13 extractions based on the targets you set for yourself.

1. Journey for which the target was achieved
2. Journey for which the target was not achieved
3. Legend
4. Click to switch from view by date to view by distance (useful for vehicles without a regular journey)
6.4.3.3.4 Speed log

This displays the speed log for the last 13 extractions based on the targets you set for yourself.

1. Journey for which the target was achieved
2. Journey for which the target was not achieved
3. Legend
4. Click to switch from view by date to view by distance (useful for vehicles without a regular journey)
6.4.3.3.5 Idle time log

This displays the time spent at idle for the last 13 extractions based on the targets you set for yourself.

1. Journey for which the target was achieved
2. Journey for which the target was not achieved
3. Legend
4. Click to switch from view by date to view by distance (useful for vehicles without a regular journey)

6.4.3.3.6 Standard report

The standard report displays a summary of the vehicle data. It can be accessed from the fleet summary screen and from the vehicle summary screen (according to the type of report selected) by clicking on the icon for target evaluation of rational driving recommended by Renault Trucks.
6.4.3.7 RExpert report

The expert report displays a complete and detailed view of the vehicle data. It can be accessed from the vehicle summary screen (according to the type of report selected) by clicking on the icon for target evaluation of rational driving recommended by Renault Trucks.

6.4.3.4 Print and/or save report

On all screens: reports, summaries, targets, etc. There is an option to generate a PDF document by clicking on the button in the top right of the window.

You can print or save this document as you would any PDF document.
6.4.4 Operating parameters

Operating parameters or client targets allow you to apply customized targets to your vehicles.

Each vehicle can have its own targets.

Targets are applicable from the date they were entered (they will be applied to extractions made after the targets are set).

The targets log is retained by Optifuel Infomax.

This is used to select the vehicle concerned.

Displays the application date for this target.

This is used to set the average fuel consumption target.

This is used to set the average commercial speed target.

This is used to set the idle time target.

This is used to delete a target. Note: Option can be disabled in the client account parameter settings by clicking on . The option is disabled by default.

Modification of a target row will automatically create a new row and save the history log.
6.5 Tools

6.5.1 Backup/Restore

This function allows you to perform two actions required for the security of your data:

- Backup your database
- Restore from a database backup

Backup your database.

This action should be performed as often as necessary to safeguard your data. This will prevent you from losing your data as a result of malfunction of your PC: problem with the hard drive, Windows, etc.

It is recommended to backup your database after a campaign to extract data from your vehicles.

This backup creates a special file with the extension `.idz`. By default, this file is saved to the Windows desktop.

To ensure maximum security, you must copy this file to a support other than the hard drive of your PC (another PC, CD-Rom, USB memory stick, etc.). We also recommend you give the backup files different file names to avoid overwriting older backups.

Restoring a backup file.

This function allows you to restore your database to a precise status.

For example, if you have had a problem with your PC, you will need to reinstall the Optifuel Infomax software. You then apply the same software updates as those you applied at the time of the backup. After this Optifuel Infomax software preparation procedure you can restore a backup file.

You choose the file you want to restore and then, at the end of the process, the software informs you that it must be closed. Restart the software and your data are now restored.

**CAUTION:** A database backup is a snapshot at a given time. Restoring a backup file without reinstalling the Optifuel Infomax software means that you will overwrite your current database with the snapshot of this previous database. Any actions you have performed in the current database since the backup you want to restore will therefore be lost.
CAUTION: A database restore can only be done on the PC on which the backup was made. For more information, consult technical assistance.

6.5.2 Transmit/Integrate
This function allows you to perform two actions to send your extractions to another PC also equipped with Optifuel Infomax V6:

- Transmitting one or more extractions
- Integrating the extractions file

Transmitting one or more extractions
This function allows you to create a file that contains a set of extractions to transmit. This file has the extension .itfx. By default, it will be created on the Windows desktop.

The process is simple. After having selected the extractions you want to transmit, you conform or change the name and location of the destination file. The file created can then be sent via your chosen method (USB memory stick, e-mail, etc.).

Integrating the extractions file
This function allows you to integrate an extractions file.

The process is simple. After having selected the file to integrate, the extractions are imported. You can then use your data as if you had performed the extraction using your PC.
7 Annexure

7.1 Icons used in Optifuel Infomax V7

- **Banner**
  - Synchronization of extractions

- **Banner**
  - Access to client account management

- **Banner**
  - Access to vehicle fleet management

- **Banner**
  - Access to Optifuel Infomax support screens

- **Banner**
  - Opening of help file

- **Data exploitation**
  - Vehicles which have not had any extractions for a configurable time

- **Data exploitation**
  - Objectives recommended by Renault Trucks achieved

- **Data exploitation**
  - Objectives recommended by Renault Trucks in low drift

- **Data exploitation**
  - Objectives recommended by Renault Trucks not calculable, because configuration not performed for this vehicle

- **Data exploitation**
  - Access to the operation configuration screen, for a chosen vehicle

- **Data exploitation**
  - Your objectives achieved

- **Data exploitation**
  - Your objective in low drift

- **Data exploitation**
  - Your objectives in significant drift

- **Data exploitation**
  - Method of wired extraction (the only one available for version 7)

- **Data exploitation**
  - Fleet overview

- **Data exploitation**
  - Apply an advanced filter

- **Data exploitation**
  - Fleet overview

- **Data exploitation**
  - Remove the advanced filter

- **Data exploitation**
  - Vehicle Fleet View, in scatterplot mode

- **Data exploitation**
  - Vehicle Fleet View, in list mode

- **Data exploitation**
  - Generation of a PDF corresponding to what is displayed on the screen. Acrobat Reader should be present in the computer

- **Data exploitation**
  - Display of explanation of the colour codes for the objectives
7.2 Communication unit functions (300)

The communication unit is equipped with several warning lights. Meaning of each warning light:

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>This indicates the status of the connection between the PC and the communication cabinet via the USB. If it remains extinguished, there is a connection fault (cable not connected, cable defective, USB port disabled, etc.) If it flashes, data transfer is in progress.</td>
</tr>
<tr>
<td>Green</td>
<td>This indicates the status of the connection between the communication unit and the vehicle. If it remains extinguished, there is a connection fault (cable not connected, cable defective, vehicle socket defective, etc.)</td>
</tr>
<tr>
<td>Blue</td>
<td>Not used</td>
</tr>
<tr>
<td>Yellow</td>
<td>This indicates the status of the unit software. If it is illuminated, non-critical operating errors have occurred.</td>
</tr>
<tr>
<td>Yellow</td>
<td>This indicates that the temperature of the communication cabinet is outside of the acceptable tolerance range (between -40°C and +85°C)</td>
</tr>
<tr>
<td>Red</td>
<td>This indicates the status of the unit software. If it is illuminated, critical operating errors have occurred.</td>
</tr>
</tbody>
</table>

Note: when connecting the USB cable between the communication unit and the PC, all of the warning lights illuminate briefly at the same time. This is to check that all the LEDs are working correctly.
7.3 Communication unit functions (020 & 180)

The communication unit is equipped with several warning lights. Meaning of each warning light:

<table>
<thead>
<tr>
<th>Warning Light</th>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power USB / Communication</td>
<td>Green</td>
<td>This indicates the status of the connection between the PC and the communication unit via the USB. If it remains extinguished, there is a connection fault (cable not connected, cable defective, USB port disabled, etc.) If it flashes, data transfer is in progress.</td>
</tr>
<tr>
<td>Power Vehicle</td>
<td>Green</td>
<td>This indicates the status of the connection between the communication unit and the vehicle. If it remains extinguished, there is a connection fault (cable not connected, cable defective, vehicle socket defective, etc.)</td>
</tr>
<tr>
<td>WLAN</td>
<td>Blue</td>
<td>Not used</td>
</tr>
<tr>
<td>Error Warning</td>
<td>Yellow</td>
<td>This indicates the status of the unit software. If it is illuminated, non-critical operating errors have occurred.</td>
</tr>
<tr>
<td>Température Warning</td>
<td>Yellow</td>
<td>This indicates that the temperature of the communication unit is outside of the acceptable tolerance range (between -40°C and +85°C)</td>
</tr>
<tr>
<td>Critical error</td>
<td>Red</td>
<td>This indicates the status of the unit software. If it is illuminated, critical operating errors have occurred.</td>
</tr>
</tbody>
</table>

Note: when connecting the USB cable between the communication unit and the PC, all of the warning lights illuminate briefly at the same time. This is to check that all the LEDs are working correctly.
7.1 Optifuel Infomax Support

The Telephone numbers of Infomax support are

Or if required, at the following website address:

http://www.renault-trucks.com/infomax/Client Support heading