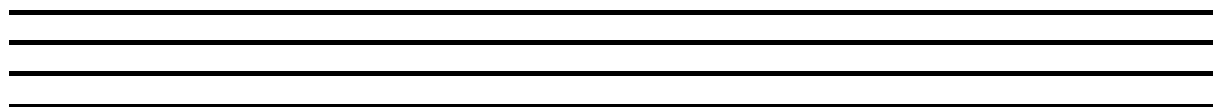
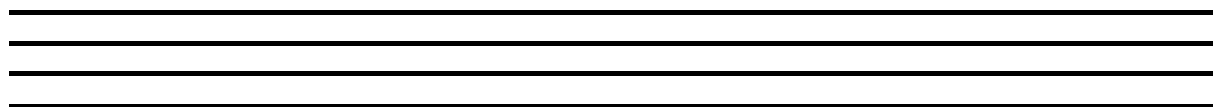


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Carteclef Application

User Manual



RENAULT

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1. Introduction

This document specifies the conditions of use of RENAULT key card scanners, supplied by JOHNSON CONTROL.

This equipment is used to communicate with key cards of RENAULT vehicles, which store information such as:

- ❑ Vehicle's s manufacturing data
- ❑ Dynamic data, and status of the vehicle the last time the key card was removed from the key card slot.
- ❑ Customer-specific data.

The scanner, used by RENAULT's partners to read this data, operates in a PC environment, such as a reception site - the owner drives his vehicle into (dealership, garage...) or a logistics base (vehicle carrier, fleet manager).

The operating systems supported are Windows 98, XP, 2000

The scanner is connected to a PC, through a USB connector.

The PC uses a driver to control this device.

It is used to exchange information with the key card, i.e. read or write it.

Also, the equipment supplied also includes a software package, named « Carteclef», which must be installed on the PC, and which converts the data contained in the key card.

This data can be used by a standalone reception device (a PC) or online (e.g. DMS).

This document is a step-by-step guide for using the software.

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2 Use in online mode (XML)

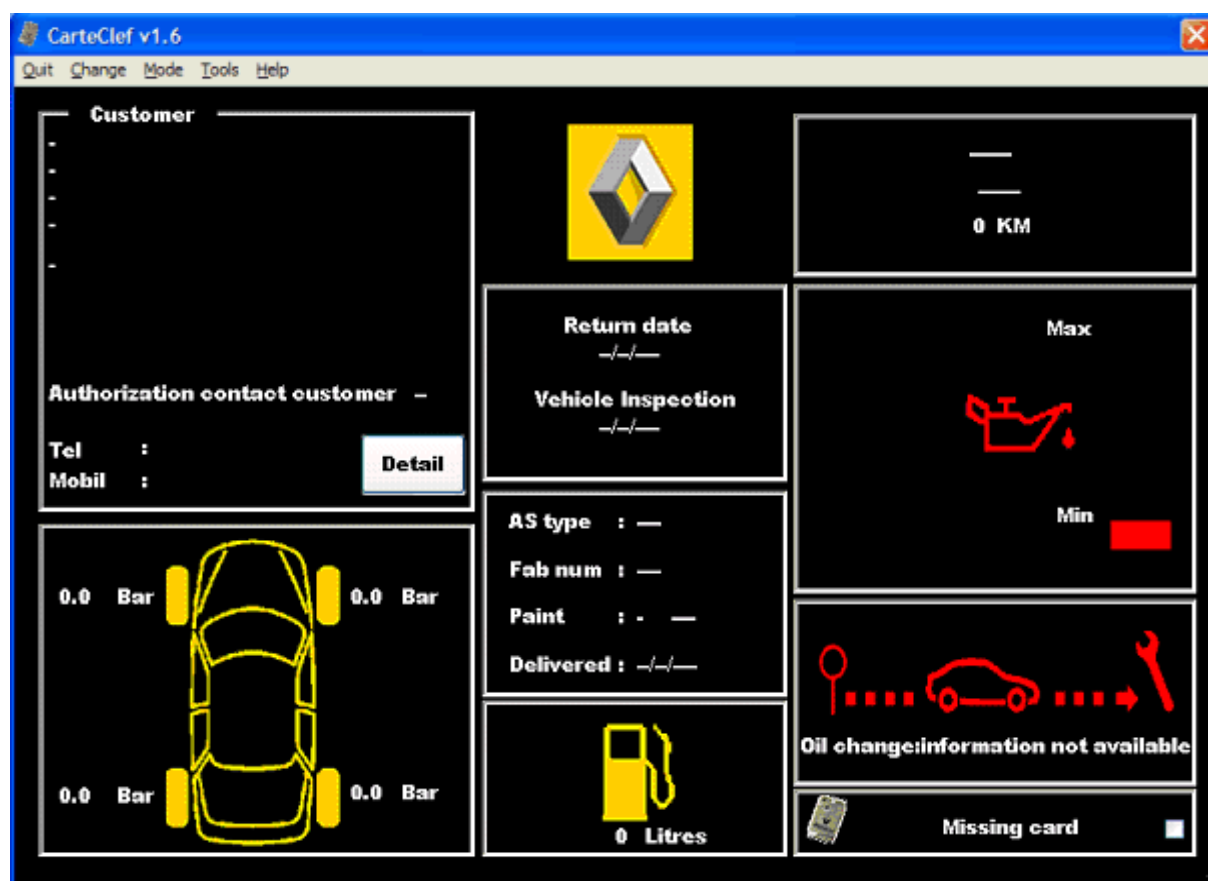
Using the reader in connected mode with a client application (DMS, Dialogys, ...) is possible via 2 protocols : XML (Push/Pull files) - IP (read/write request on IP socket). Use in connected mode must be accompanied by parameter entry provided by the client application editor (DMS editor, ...).

1- Connect the scanner to the PC's USB port – the scanner must be detected prior to use with the *DetectLecteur* programme (see Drivers and software installation manual)

2- Launch the following shortcut:

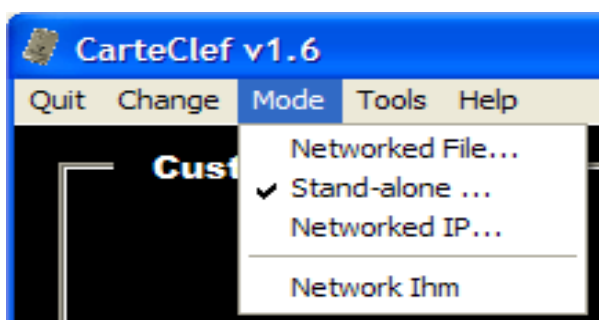
In the *Start* menu, select *All programmes*, then *Carteclef*, and finally the *Carteclef* executable.

The following screen appears:

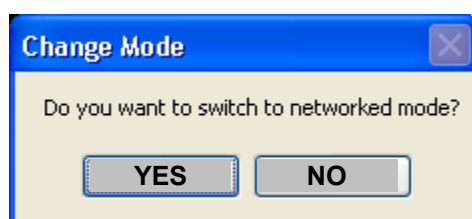


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On the screen below, select the option **XML** or **IP Connected** in the **Mode** menu – as per the client application recommendations (DMS, Dialogys) – the **Network Ihm** option provides you with graphic recovery of the KeyCard information in connected mode (XML or IP); this option is useful for client applications that offer no graphic display.



Validate the change of mode : (example : *XML connected Mode*)



Click **Yes**

The application is reduced automatically in the task bar.



You can continue with the connection with your client application (DMS, Dialogys, ...)

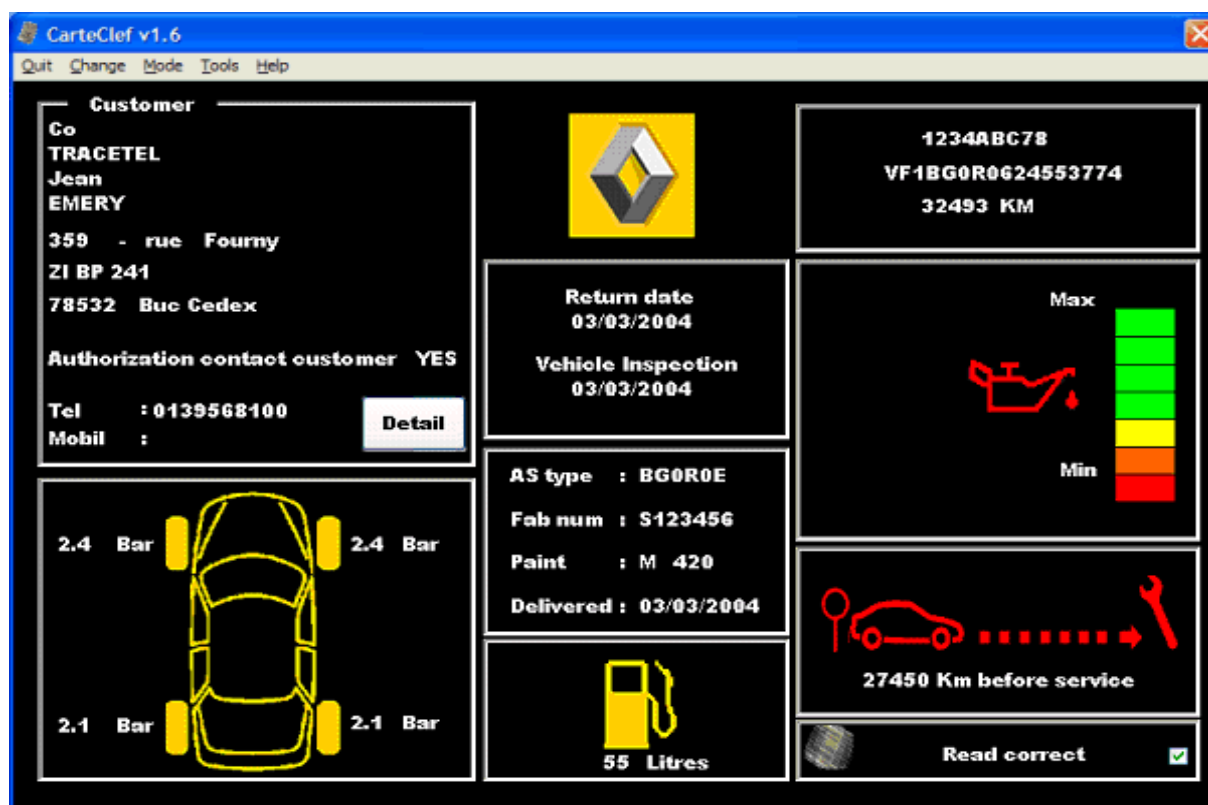
Note: To install only in the online mode, copy the *CarteClef* shortcut present in the *CarteClef* menu into Windows' *Start* menu.

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3 Using the CarteClef application in Offline mode

Place a RENAULT key card on the scanner.

In the standalone mode, the following screen shows all the data in the key card



If the read is not complete, the application continuously scans the key-card.

As soon as a read operation is complete and correct, the read is fixed –

You can carry out a new read operation by clicking on the Logo



The information relating to the customer and After Sales data may be blank if this has never been written to the Customer's key-card. This write operation is only possible when in connected mode to the Renault Dealer DMS system.

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4 Data that is considered not reliable

It is possible that certain data may not be considered as reliable when reading in single-user mode.

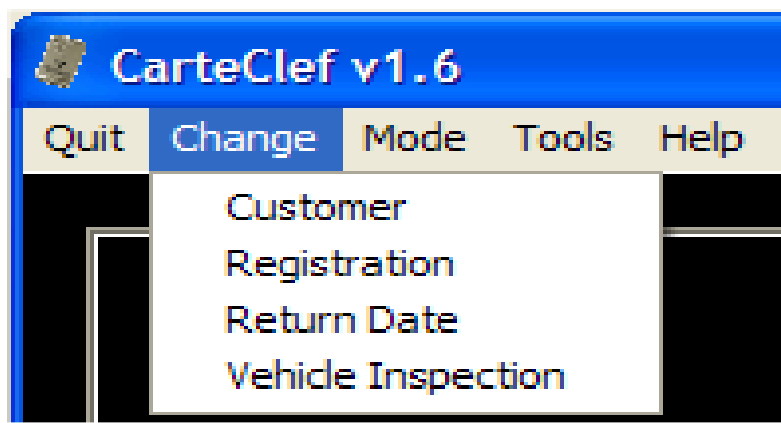
In this case, the application displays the symbol  in the box containing the unreliable data.

5 Changing data in the Offline mode

In the following screen, select the type of data to modify in the **Change** menu.

You can modify:

- Customer-related data (Name, First name, Address,)
- Vehicle registration number
- Return date (Rental vehicle)
- Date of the next technical inspection (service)



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1. The window to modify « Customer » data includes all the data read on the card, and displays it on screen.

To clear all fields, click the **Clear** button

After changing fields in the window, click the **Write** button to write the data into the card.

If writing does not occur properly, the message *Write incorrect* is displayed between the Write and Close buttons. Restart the operation, by clicking the **Write** button.

When checked, the « Autorisation contact customer » box indicates that the customer accepts being contacted by the manufacturer.

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2. The Change Registration window is used to enter or change the registration number stored in the card

3. To enter the return date (or technical inspection date), use the calendar in the window for changing the return (or technical inspection) date.

Use the same commands as in the previous windows.

Note: The data displayed by the CarteClef application in the box:

AS type : -
 Fab num : -
 Paint : -
 Delivered : -/-/

can be entered only in the Online mode (DMS application)

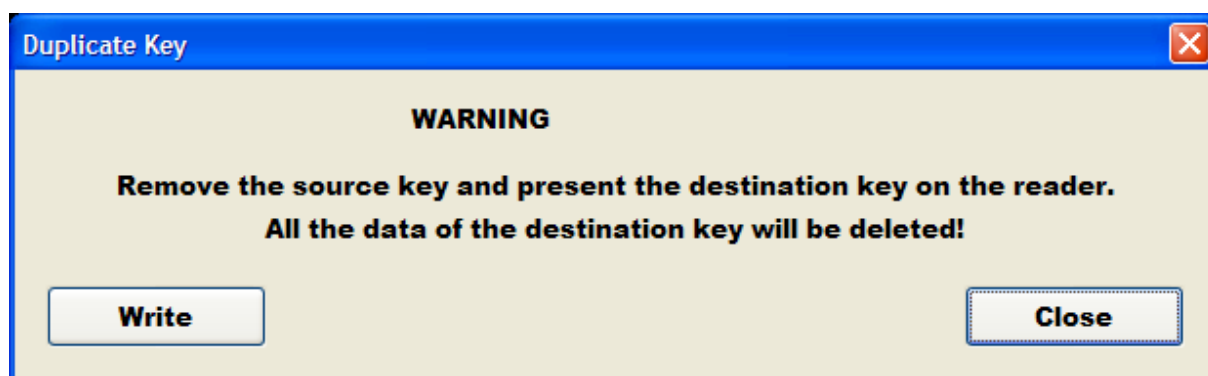
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6 Card duplication in the Offline mode

Duplication of a card is possible following correct reading of the source card. Click on the duplicate function in the TOOLS menu to store the data of the source card.

Insert the destination card into the reader and validate writing of the data to the card.

Important! all data on the destination card is destroyed.



7 Online Help

Clicking on HELP in the menu opens the user manual from the CARTECLEF (KEYCARD) program in Autonomous mode. Acrobat Reader must be installed on your machine to use the help"