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- 1. Social Networks: direct access to our social networks and Jaltest website.
- **2. Report Preview:** while connecting into a system, a diagnostics report starts to be created. Anytime, clicking on the button, it can be checked, read and closed.
- **3. Main menu:** list of possible configurations related to the use of the software like language, appearance, measurements...
- **4. Virtual keyboard:** activation of the virtual keyboard, very useful if the software has been installed in a tablet or the laptop has a touch screen.
- 5. Print: after creating a report, it can be printed out directly through this option.
- **6. Screenshot:** anytime the user needs to freeze the information for any use, a screenshot can be carried out on demand.
- 7. Help Menu: additional help and information related to Jaltest.









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3 Configuration

| configuration (| user settings) | نې ا | ` O` | ? | × |
|-----------------------|----------------------------------|---------|-------------|---|---|
| Language | Select the application language: | | | | ~ |
| Graphic customisation | O Spanish | | | | |
| Activate Expert Mode | English | | | | |
| Jnits of measurement | | | | | |
| Messages | | | | | |
| Product improvement | | | | | |
| Demo/Simulation Mode | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

LANGUAGE

The language can be changed depending on the country where the equipment is used. The standard configuration includes two languages: English and Spanish.

However, Jaltest adapts the languages to the needs of the users.

Jaltest software is available in more than 20 languages.

GRAPHIC CUSTOMIZATION

The graphic customization allows the user to change the color and the appearance of the software: red, blue, yellow or green color, the designs of the buttons and text size.

| Configuration (user se | ettings) 🛍 🙆 ? × |
|------------------------|--|
| Language | Select the application theme: |
| Graphic customisation | |
| Activate Expert Mode | |
| Units of measurement | |
| Messages | Show vehicle/vessel list when opening the application |
| Product improvement | Select the size of the text and other elements of the application: |
| | ○ 80 % |
| | Select the following option to adjust the application size to the screen resolution selected in the computer: |
| | Adjust to screen resolution |
| | <i>i</i> For more information on display options, <u>click here</u> |

| •jaltest Configuration (user s | settings) 🛗 🙆 | × |
|--------------------------------|---|---|
| Language | Please, read carefully the liability statement of use for Expert Mode. It is necessary to accept the following conditions before continuing with the | ~ |
| Graphic customisation | activation process. | |
| Activate Expert Mode | See Expert Mode declaration of responsibilities | |
| Units of measurement | ☑ I have read and accepted the terms and conditions of use. | |
| Messages | Enter the key and click on the activation button. | |
| Product improvement | (6-digit password) Activate Expert Mode | |
| | | |
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EXPERT MODE

The activation of the Expert Mode will be necessary to carry out some special functionalities with Jaltest. Normally it is needed for functionalities which modify the current parameters or configuration of the ECU.

The acquisition of the expert code is completely free and must be done online using the user's area in www.jaltest.com

| Language | Configure the units of measurement per magnitude. The chosen options will be applied to the values and data obtained in the application: | | | | | | |
|-----------------------|---|--------------|------------|-------|---|-----------------|---|
| Graphic customisation | Note: unit conversion will only be performed between units of measure located in the same row. | | | | | | |
| Activate Expert Mode | Pre | essure | | | | | ^ |
| | ۲ | bar | 0 | MPa | 0 | psi (lbf/in²) | |
| Units of measurement | ۲ | mbar | 0 | kPa | | | |
| Messages | ۲ | hPa | 0 | inH2O | | | |
| Product improvement | Ter | mperature | | | | | |
| | ۲ | °C | 0 | к | 0 | °F | |
| | | | | | | | ~ |
| | | Disable unit | conversion | | | | |
| | | ۲ | SI | | | Reset values to | |
| | | 0 | USA | | | default | |

UNITS OF MEASUREMENT

With Jaltest it is possible to change the units of the measurements to adapt better to every customer necessity.

MESSAGES

Reactivation of the messages previously marked as "do not show again this message".





PRODUCT IMPROVEMENT

Possibility of sending feedback to Jaltest to participate in the continuous improvement and development of the software for a better user satisfaction.



| •jaltest Jaltest Link | $\mathbf{\hat{O}}$ | × |
|---|--|---|
| Information about diagnostic Interface | Select the communication mode with the diagnosis device. | ~ |
| Select Communication Mode | • USB | |
| Vehicle bus communications test | Bluetooth Old Tablet PC | |
| Update of the diagnostic Interface | To check the selected communication mode, perform a connection test. | |
| | Connection test | |
| | | |

JALTEST LINK

Window to change the communication between the laptop and the link. It is possible to switch it from USB to Bluetooth or the opposite. After the change, it is recommended to process a Connection Test as confirmation.

JALTEST FEEDBACK

Direct contact with Jaltest. The option of sending some feedback about problems while using the equipment or checking the records.



| jaltest Licence | Ó | × | LICE |
|-----------------------------|--|---|--------------------|
| Licence information | Information about Jaltest licence | | This is the button |
| Licence process and renewal | Status: ACTIVATED Type: COMMERCIAL VEHICLES + OHW + AGV | | update the licens |
| | Days of licence: 307 | | expiration date. |
| | Expiration date: 17/02/2021 | | |
| | Device serial number: P001715225 | | |
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LICENSE

This is the button where we can update the license and to see the version of the software or the expiration date.

| •jaltest License | × © |
|-----------------------------|---------------------------|
| License information | Jaltest license procedure |
| License process and renewal | License Management |
| | |
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LICENSE PROCESS AND RENEWAL

Once you have renewed your license, it is necessary to click here to update the software, which will allow you to continue working with Jaltest with your new license.

DATA RECORDER

After recording the data in a diagnostics session for a maximum of 30 minutes, a video recorded can be displayed with the Jaltest Data Player to perform a better diagnosis in the vehicle. The recorded videos are saved in the laptop and can be displayed when it's needed again.

| •jaltest Data player | × ©i |
|----------------------|---|
| Data recording | Select a file with a recorded session to start data playback. |
| Data player | Select a file |

| altest Brand/model customisation | | ä | [;] O | × |
|--------------------------------------|-------|--------|----------------|---|
| List of customised brands. | | | | ~ |
| Search by name | | | Q | |
| Name ~ | | | | |
| My Customized Vehicle | o | ٢ | Î | |
| | | | | |
| | | | | |
| _ | | | | |
| | Add r | new br | and | |
| | | | | |

BRAND / MODEL CUSTOMIZATION

If there is a missing brand in Jaltest but the user knows exactly the systems that are installed in the vehicle, the brand can be created in Jaltest with this option.

4 Quick Connection (example)

| ejaltest crp 💓 ETM PASS | ۲ | | 🖶 🔯 🔋 📖 | - • × | | |
|-------------------------|---|----------------------|------------------------------------|------------------|---------------------------------|-------|
| チ 🗙 🏠 🤯 | | | | | | |
| | The second se | CFUEL CHU MARK | | ● 🖡 🗄 🖷 |) (d) ? 📰 – Ø | × |
| | VIN | Favourite br Q | ands (7760) | | Other connection options | ~ |
| | AGRALE ASHOK LEYLAND | DF | DAF | IV IVECO | MN MAN | |
| TELEMATICS CON | ASKAM | MB | MERCEDES-BENZ | RE RENAULT | SC scania | |
| ę | AVIA | o vo | VOLVO | | | |
| | BEIBEN | | | | | |
| | BHARATBENZ | Contigu | ure the list of favourite brands i | using the icon 🗹 | | × |
| | * | * | | | 🖸 <table-cell> 🔍 🗉</table-cell> | 11:15 |

| n Diagnostics menu | Families | Select a model from the list (C | Options: 5/29) | |
|--------------------------------|----------|---------------------------------|----------------|--|
| System technical data | ALL | Search by model name | ETM PASS | |
| Diagrams | CF | - ← ★ ♠ ∰ | > TRUCK > DAF | |
| 🖌 Vehicle service data | F | Diagnostics menu | Families | Select a model from the list (Options: 5/29) |
| Vehicle technical data | LF | | 1000 | |
| Troubleshooting by symptoms | XF | ⊾∠ data | ALL | Search by model name Q ©Name Osystem |
| Releases and Procedures | | -J Diagrams | CF | 95XF |
| Repair times | | Vehicle service data | F | XF E6 |
| ср | | Xehicle technical data | LF | XF E6 (New F7/BH Series) |
| | | Troubleshooting by symptoms | XF | XF105 |
| (| | Releases and Procedures | | XF95 |
| 2 | | Repair times | | |
| | | | | |
| | | | | |

| •jaltest GRP | ETM PASS THRU | | 🛞 🗎 🗃 🖶 🖸 ? 💷 – 🕫 🗙 |
|-----------------------------|----------------------------------|---------------------------|--|
| Connect | | | |
| 🖏 Diagnostics menu | System selection | Types 🔨 🗸 | Connectors Select a system from the list and click on Connect button (Options: 29/29) |
| Ω System technical data | All Systems Scan | ALL 🗹 | Search by system name Q (Name OActions |
| -J Diagrams | Main Systems Scan | Antipollution 🗹 | ACH-EA, Air additional heater |
| 🛫 Vehicle service data | Special functions (shortcuts) | Antitheft 🗹 | ACH-EW, Water additional heater |
| Vehicle technical data | ODR data (shortcuts) | Auxiliary brakes 🗹 | AEBS, Advanced Emergency Braking System |
| Troubleshooting by symptoms | | Brakes 🗹 | AS Tronic, Gearbox with electronic control |
| Releases and Procedures | | Central computer 🛛 | AS Tronic, Parameter setting of the gearbox |
| Repair times | | Chassis module 🗹 | ATC, Automatic Temperature Control |
| | | Climate HVAC 🗹 | BBM, Bodywork Module |
| < | | Compressed air processing | CD5-4, Central locking system |
| • | | | ັ · ເຊິ 🛱 11:18 |





5 Diagnostics Menu



- **1. Diagnosis:** reading errors of the ECU with additional information like freezeframe data and direct access to components or troubleshooting by error code.
- 2. Clear Errors: erase and clean the memory of the ECU when there is not an active error.
- 3. System Data: references of software, ECU, VIN, manufacturer, year...
- **4. Parameters:** modification of parameters as injectors, speed limit, fan regulation, braking parameters... the Expert Code is compulsory for this kind of functions.
- **5. Measurements:** reading values of all the sensors related to the selected system and show them in 3 different ways: a list of values, more visual (clocks, diagrams...) or live data.
- 6. Actuate Components: activation of the components to check if they work properly, sending the order to switch it on and off.
- **7. System Checks**: perform different checks to see the correct values of the actuations, like a cylinder cutout or compression test.
- **8. Maintenance:** Maintenance functions are able carry out resets for servicicing the vehicle or replacing specific components.
- **g. Calibration:** adjustment of the component replaced to get it work accordingly to the vehicle and system specifications.
- **10. Data Recorder:** It allows to save the data of a vehicle for 30 minutes to see the behavior of some sensors or actuators. The Data Recorder allows to record a maximum of 24 different measurements.

6 Technical Information Menu



- 1. Diagnostics menu: access to the diagnostics menu and functionalities.
- **2. System technical data:** technical information related to the selected system and technical characteristics.
- **3. Diagrams:** wiring diagrams of the system, electronic architecture of communication bus and fuses and relays box diagram.
- **4. Vehicle service data:** information about the different intervals service of the vehicle maintenance, including actions and recommendations.
- **5**. **Vehicle technical data**: technical information of the main parts of the vehicle including the description of characteristics and recommendations.
- **6. Troubleshooting by symptoms:** step by step troubleshooting guides with some of the most common errors and the way to fix them.
- **7. Releases and Procedures:** information from the manufacturer about some manual actions to carry out calibrations or maintenances. Also, some details about the antipollution regulation or even details to find the correct vehicle to perform diagnostics.
- **8. Repair times:** recommended investment of time to carry out different repairing works on the vehicle.

7 Additional Modules



- **1. GRP:** ERP system to handle the customers and documents created while using Jaltest (customer creation and customization, brand customization, reception module, managing tasks, diagnostics and maintenance reports, ODF Telematics, user configuration...).
- **2. iParts Assist:** as a spare parts manufacturer, we help our customers with an installation guide for some of the components they are able to acquire from our portfolio. Furthermore, it is included a cross reference list to find and identify the parts.
- **3. ETM:** ETM stands for Electronic Test Module which allows the user to isolate braking electronic components from the main braking ECU. By checking the components directly, the diagnosis time is considerably reduced and the fault can be easily found. ETM is intended for trucks, not for trailers.
- **4. Pass Thru:** Jaltest embraces most of the communication protocols and the Jaltest link can be used as the base hardware while working with original software. It is necessary to modify the VCI into the original software and select Jaltest Link as the hardware which will be used to connect.

For more information, please contact Jaltest Customer Service.