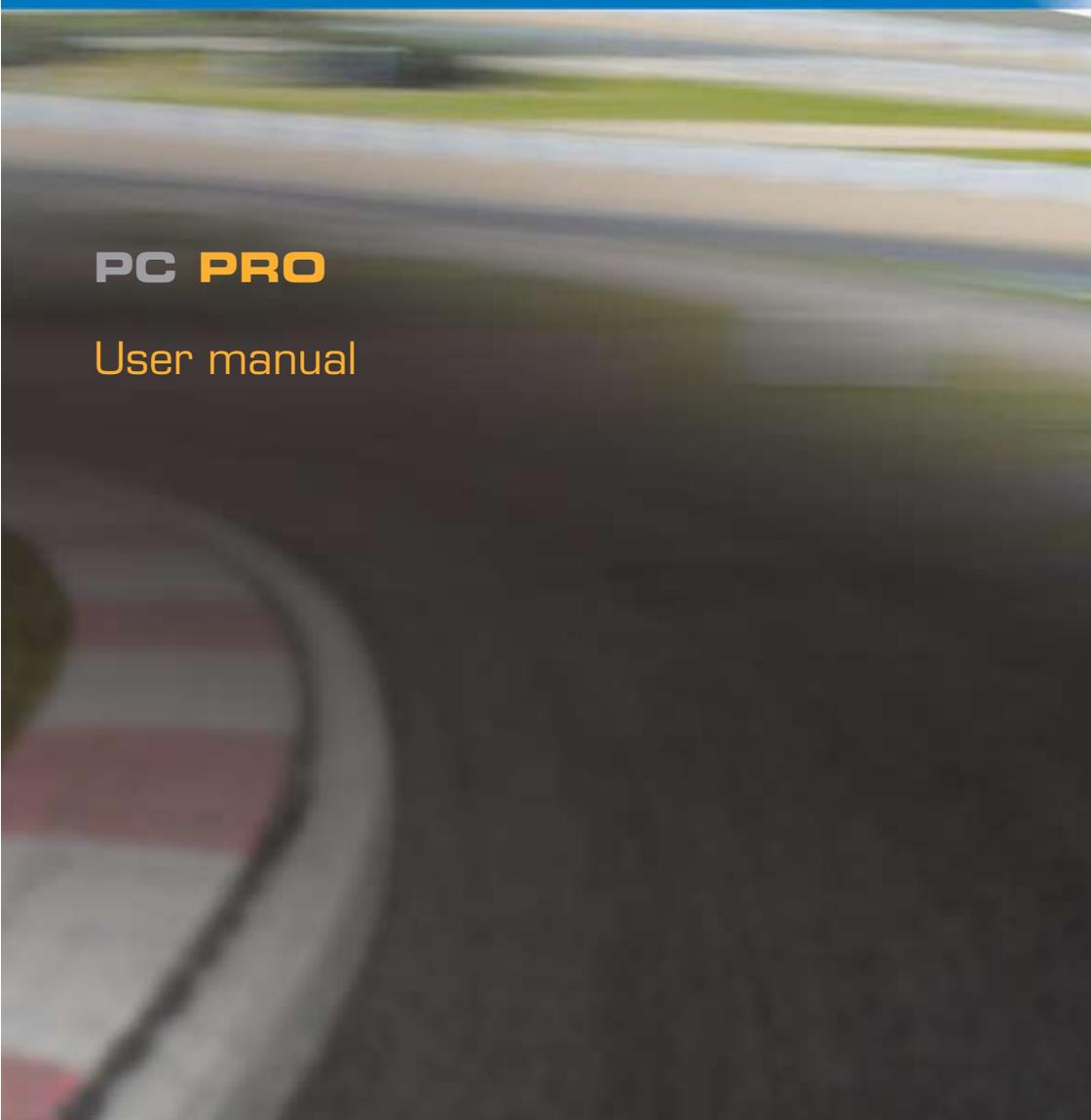




**AUTODIAGNOS**

**PC PRO**

User manual



**AUTODIAGNOS**

PC PRO  
**User Manual**



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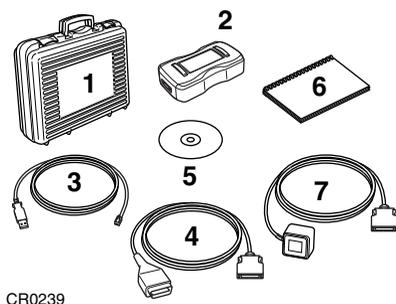
## Introduction

Congratulations on choosing the Autodiagnos PC Pro diagnostic system. The system enables information to be extracted from various vehicle control modules when connected via the vehicle's diagnostic connector.

Both pre-EOBD (European On-Board Diagnostics) and EOBD-compliant vehicles are covered.

*Note: All post 2000 MY petrol cars and post 2004 MY diesel cars should conform to the EOBD standard.*

## Overview



CR0239

The kit includes the following items.

1. Carry case with foam insert.
2. Vehicle Interface.
3. USB cable.
4. J1962 OBD cable.
5. CD.
6. Quick reference guide.
7. Power supply unit.

# Quick reference guide

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## Product support hotline

Tel:	+44 (0)844 665 7623.
Fax:	+44 (0)844 665 7603.

Alternatively, visit the Autodiagnos website at **[www.autodiagnos.com](http://www.autodiagnos.com)**.

*Note: To avoid delay, always quote the serial number of the Vehicle Interface when requesting support.*

## Software CD

### Installation instructions

1. Insert the CD into the CD drive.
2. The installation on the CD should auto-run. If it fails to do so, navigate to the CD drive in Windows Explorer and double-press the 'Setup.exe' icon.
3. Follow the on-screen instructions to install the application, accepting all options provided to achieve the default installation.
4. Restart the PC before first use.

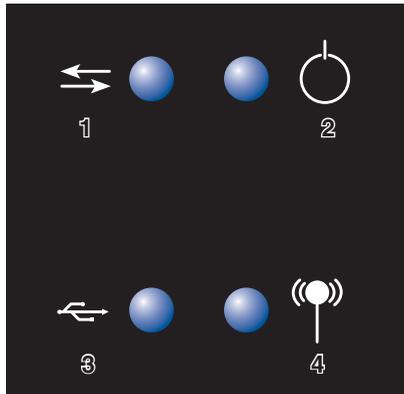
## Hardware configuration

### Vehicle Interface (VI)

This component acts as an interface between the vehicle being tested and the software installed on a PC.

Externally, the VI has a number of connectors, but no switches or buttons. It is operated by the user from the PC screen.

LEDs alert the user to the operational status of the VI.



AU0022

1. Communicating with vehicle systems.
2. Power.
3. USB connection status.
4. Bluetooth connection status.

# Quick reference guide

---

## Configuring the PC

The PC must be set up to recognise the Vehicle Interface (VI). There are two methods of connecting the VI:

- USB - Hard wired,
- Bluetooth - Wireless.

USB is the default connection method setting.

### USB - Hard wired

Follow the procedure below to connect the PC to the Vehicle Interface (VI) using a USB cable.

1. From the 'VI Mode' drop-down list on the 'Settings' tab, select 'USB'.
2. Connect one end of a USB cable to the VI and the other end to a USB port on the PC.



CR0236

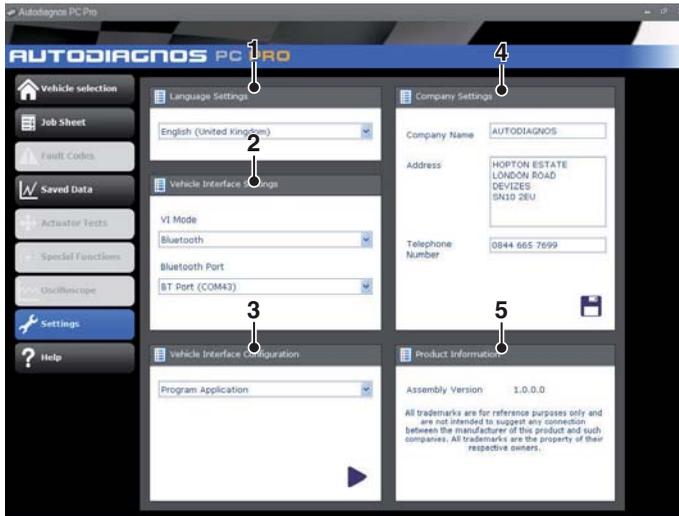
3. The drivers will install automatically. Press 'Continue Anyway' when prompted. The operating system will display a notification when the process is complete.

### Bluetooth - Wireless

Follow the procedure below to connect the PC to the Vehicle Interface using wireless.

1. Follow the instructions provided with your laptop or Bluetooth dongle to set up a wireless connection to the Vehicle Interface. The Bluetooth device name is 'Vehicle Interface' and if requested enter the PIN code 1234.
2. Once the connection has been set up a COM port number will be displayed. Make a note of this number.
3. From the 'VI Mode' drop-down list on the 'Settings' menu, select 'Bluetooth'.
4. From the 'Bluetooth Port' drop-down list select the COM port number recorded in step 2.

## Settings



AU0077

1. Language settings
2. Vehicle Interface (VI) settings
3. Vehicle Interface (VI) configuration
4. Company settings
5. Product information

From the 'Settings' screen, the software language can be selected. Please note the Vehicle Interface (VI) must be connected to both the PC and a vehicle in order to change the software language. This process may take up to twenty minutes.

The method of communication with the VI can also be changed. 'USB' is the default communication method.

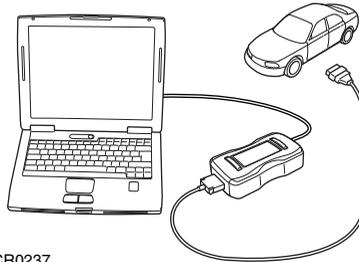
# Quick reference guide

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## Getting started

*Note: If the vehicle does not have a J1962 cable socket, the appropriate manufacturer diagnostic cable will be required. See 'Cable identification', page 24.*

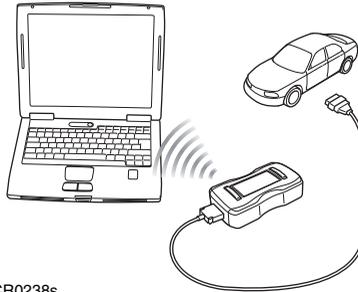
### USB Connection



CR0237

1. Connect the EOBD cable to the Vehicle Interface.
2. Connect the appropriate manufacturer diagnostic cable if necessary to the EOBD cable.
3. Connect the diagnostic cable to the vehicle's diagnostic socket.
4. Connect the vehicle interface to the PC USB port.
5. Double-press the Autodiagnos PC Pro icon on the desktop to launch the software.

## Bluetooth connection



CR0238s

1. Connect the EOBD cable to the Vehicle Interface.
2. Connect the appropriate manufacturer diagnostic cable if necessary to the EOBD cable.
3. Connect the diagnostic cable to the vehicle's diagnostic socket.
4. Double-press the Autodiagnos PC Pro icon on the desktop to launch the software.

# Quick reference guide

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## Using Autodiagnos PC Pro



AU0075

1. Menu items
2. Vehicle/System selection
3. Exit the application
4. Restart vehicle selection
5. Return to previous screen
6. View technical data (where installed)
7. View cable images
8. View connector locations

The 'Vehicle Selection' screen is displayed when Autodiagnos PC Pro is started.

Each screen has a number of icons and buttons which control the diagnostic functions.

Diagnostic cable drawings and connector locations can be viewed by pressing button 7 or 8 respectively.

*Note: All tabs, buttons and icons are highlighted when available for use.*

## Starting a diagnostic session

1. From the 'Vehicle Selection' screen, select the relevant vehicle and then system for diagnosis. These options will appear over a number of consecutive screens.
2. Selecting a system will automatically prompt the software to begin communication.
3. The communication LED on the Vehicle Interface will begin to flash, confirming that the Autodiagnos PC Pro software is connecting to the system.



AU0073s

4. When the vehicle is ready for diagnostic tests, the diagnostic menu items on the left hand side of the screen become enabled.

# Operating instructions

---

## Overview

The screens have a number of icons and buttons which control the diagnostic functions.

This guide explains the common controls and information screens.

In the graphic below, the 'Vehicle Selection' screen is selected.

*Note: All tabs, buttons and icons are highlighted when available for use.*

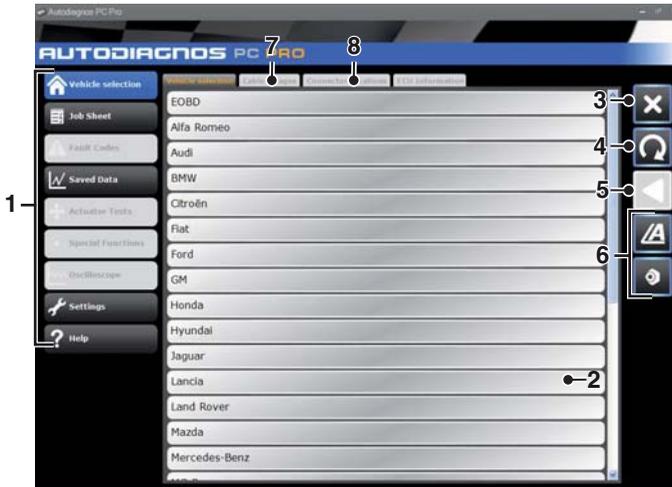


AU0075

1. Menu items
2. Vehicle/System selection
3. Exit the application
4. Restart vehicle selection
5. Return to previous screen
6. View technical data
7. View cable images
8. View connector locations

## Using Autodiagnos PC Pro

### Selecting a vehicle for testing



AU0075

1. Menu items
2. Vehicle/System selection
3. Exit the application
4. Restart vehicle selection
5. Return to previous Tests screen
6. View technical data
7. View cable images
8. View connector locations

From the 'Vehicle Selection' screen, select the relevant manufacturer, model and then system for diagnosis. These options appear over a number of consecutive screens.

Press button 2 to restart the vehicle selection and return to the list of vehicle manufacturers.

Press button 1 to return to the previous screen.

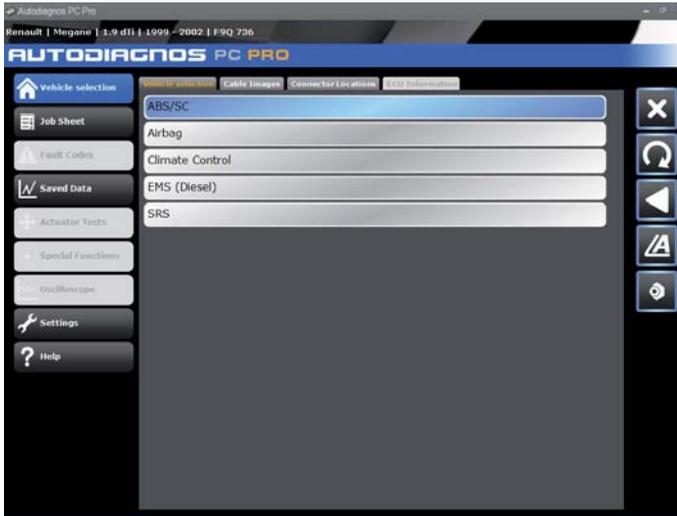
Diagnostic cable drawings and connector locations can be viewed by pressing button 7 or 8 respectively.

*Note: All tabs, buttons and icons are highlighted when available for use.*

# Operating instructions

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## Selecting a vehicle system for testing

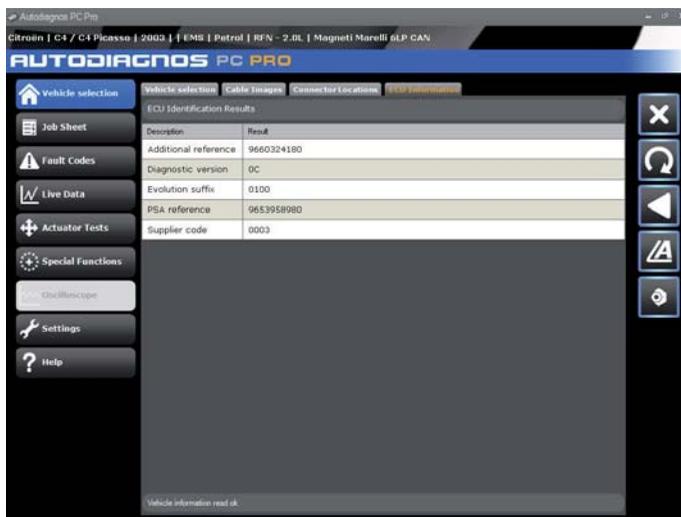


AU0072

Once a vehicle has been selected, the screen will show the systems available for testing.

Selecting a system will automatically prompt the software to begin communication.

The communication LED on the Vehicle Interface will begin to flash, confirming that the Autodiagnos PC Pro software is connecting to the system.



AU0080

When the vehicle is ready for diagnostic tests, the diagnostic menu items on the left hand side of the screen become enabled.

# Operating instructions

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AU0078

1. Exit the application
2. Restart vehicle selection
3. Return to previous screen
4. View technical data
5. Options / results display
6. Scroll up / down
7. Back
8. System dependent features
9. Jobsheet function
10. Confirm / next

Some vehicle systems will be displayed in a different format to the standard layout. The options and results will be displayed within a system window which is controlled by on-screen buttons.

The 'scroll up / down' buttons 6 are used to navigate through options and results. If information spans multiple screens, it will be indicated by a series of dots.

The 'back' button 7 returns to the previous screen.

The 'confirm / next' button 10 will confirm a selection or move to the next screen.

The 'system dependent feature' buttons 8 vary in their application and should only be used when instructed to do so by Autodiagnos PC Pro.

## Reading and clearing fault codes



AU0073

1. Refresh fault code list
2. Clear fault codes and freeze frame data
3. View Autodata technical data
4. View Vivid technical data

When the vehicle system has been identified, the 'Fault Codes' menu item will become enabled where supported. This will allow fault codes to be read from the selected system. It is also possible to clear fault codes from the system.

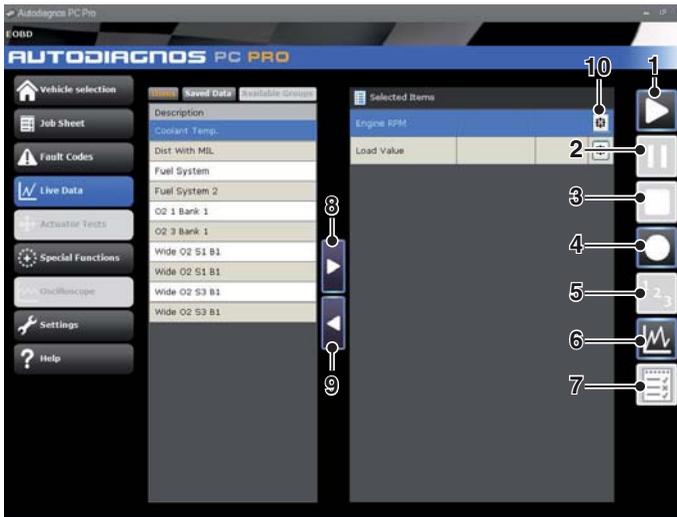
Press button 1 to refresh the list of fault codes.

Press button 2 to clear all fault codes and freeze frame data.

# Operating instructions

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## Reading live data



AU0074

1. Start live data
2. Pause live data
3. Stop live data
4. Record live data
5. List mode
6. Graph mode
7. Add live data items to job sheet
8. Add live data items
9. Remove live data items
10. Alarms / triggers

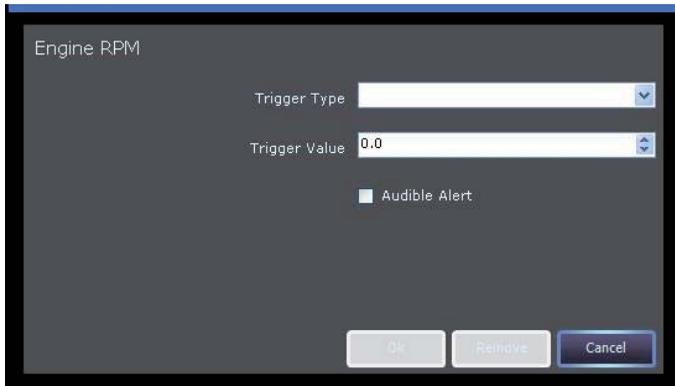
The 'Live Data' menu item allows the display and recording of current live data that is being output from the system.

To view the live data element, select the required item from the left side of the screen and press the 'Add live data items' button. The number of live data elements that can be viewed at a time depends on the system selected.

The live data can be displayed in a list form or as a graph by pressing button 5 or 6 respectively.

To record live data, press button 4; this will request and immediately record the selected live data items. To save the live data recording, press 'Yes' when prompted, after recording has finished, and enter a description. Select the saved data tab to view the saved data.

## **Alarms / triggers**



AU0079

The 'alarms and triggers' screen allows the setting of an alarm to indicate when the reported value of a live data item has fallen within a defined range.

When the value falls within the defined range, the background of the live data item will change to red.

With the 'Audible Alert' option set, the PC will emit a 'beep' when the specified parameters have been met. When the value falls outside the specified range, the audible alert will cease but the background of the live data item will remain red.

To switch off an audible alarm, deselect the 'Audible Alert' option. Alternatively, press the 'Remove' button to remove the alarm completely.

# Operating instructions

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## Graphs



AU0071

In the graph view, the graphs will automatically scale to fill the available space on the screen. To enlarge the view of a particular graph select the 'Zoom' icon to the right of the graph.

For further information, see '*Live data icons*', page 19.

## *Live data icons*



**1**



**2**



**3**



**4**



**5**



**6**



**7**



**8**



**9**



**10**

CR0243

1. Remove
2. Zoom
3. Change display type
4. Enable cross hair
5. View entire graph
6. Alarms/Triggers
7. Zoom in to axis
8. Zoom out from axis
9. Scroll left
10. Scroll right

# Operating instructions

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## Actuator tests



AU0070

The 'Actuator Tests' screen allows operation of components within the selected system to be forced.

Choose the component to be activated and select the 'Activate' button.

Observe operation of the component as the system provides no indication of whether the activation has been successful.

## Technical data



AU0081

1. Autodata technical data
2. Vivid technical data

The 'Technical Data' buttons will open the technical data application, for the specific vehicle chosen, in a separate window.

*Note: The type of technical data available is dependent on the installed technical data package.*

Dependent on the stage in the vehicle selection process at which the technical data button was pressed, it may be necessary to select the specific vehicle. Select the appropriate model from the list and then press 'OK' to proceed to the technical data application.

# Operating instructions

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## Special functions



AU0076

The 'Special Functions' screen allows various system tests to be undertaken. The tests available will be determined by the system selected.

## Troubleshooting

This table illustrates some of the most common causes of faults on the system.

<b>Problem:</b>	<b>Check:</b>
System will not install from the CD	<ul style="list-style-type: none"><li>• Ensure the person installing the Autodiagnos PC Pro software has administrator rights on the PC</li><li>• Navigate to the CD drive and launch the "setup.exe"</li><li>• Ensure the operating system is Windows XP Professional or Windows Vista</li></ul>
Wireless (Bluetooth) communication not working	<ul style="list-style-type: none"><li>• Ensure the Bluetooth option is selected on the 'Settings' screen</li><li>• Ensure the PC bluetooth settings have been set correctly to allow communication with the vehicle interface</li><li>• Ensure the vehicle interface is powered from the vehicle's diagnostic socket</li></ul>
Communication problems between Autodiagnos PC Pro and vehicle. <i>Note: Typical message includes; "Data Link Error".</i>	<ul style="list-style-type: none"><li>• Ensure vehicle ignition is switched on</li><li>• Ensure correct cable is being used</li><li>• Ensure all connections are secure and cables are in good condition</li><li>• Ensure vehicle system is supported by Autodiagnos PC Pro.</li></ul>

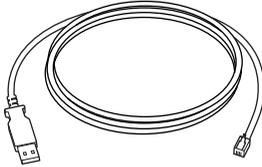
*Note: If experiencing further technical difficulties with Autodiagnos PC Pro, please contact Product Support. See 'Product support hotline', page 2.*

# Operating instructions

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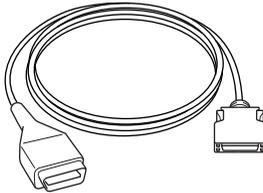
## Cable identification

### Standard cables



CR0226

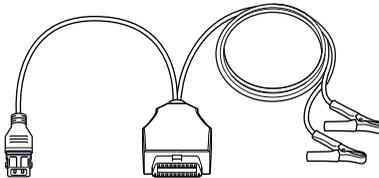
*AS1215A USB cable*



CR0225

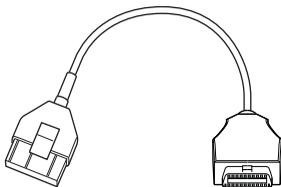
*ASA32 EOBD cable*

### Optional cables



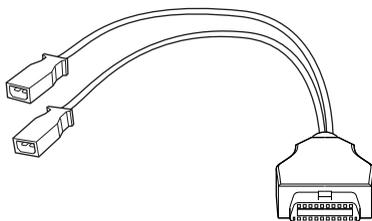
CR0234

*ASA33 PSA adapter cable (2-pin)*



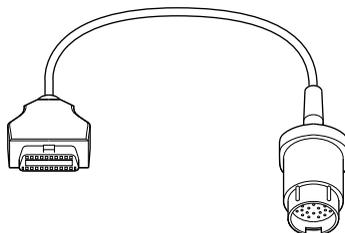
CR0231

*ASA34 PSA adapter cable (30-pin)*



CR0230

*ASA35 VAG adapter cable*

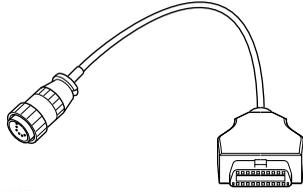


CR0229

*ASA36 Mercedes adapter cable*

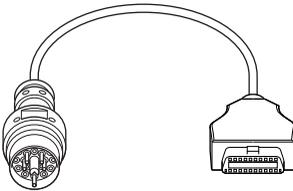
# Operating instructions

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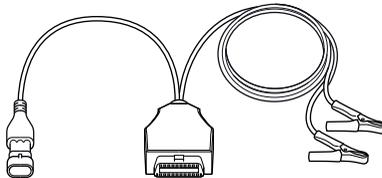
CR0227

*ASA37 Mercedes Sprinter adapter cable*



CR0228

*ASA38 BMW adapter cable*



CR0235

*ASA39 Fiat/Alfa/Lancia Adapter Cable*

## Licence Agreement for Autodiagnos PC Pro

### 1. The Licence Agreement

Autodiagnos licences the software to you only upon the condition that you accept all the terms contained in this Licence Agreement ("the Agreement"). Please read the terms carefully before clicking the Yes button and finishing the installation of the software and the data on your computer.

If you do not agree to these terms, then Autodiagnos is unwilling to licence the software to you, in which event you should return the full product with proof of purchase to the dealer from whom it was acquired within 30 days of purchase, and your money will be refunded.

### 2. Subject of the Agreement

The subject of the Agreement is the Autodiagnos PC Pro software on disk ("AUTODIAGNOS PC PRO"). While Autodiagnos continues to own the software, you will have certain rights to use the software and the data after your acceptance of the conditions of this licence.

### 3. Rights of Use

You have the right to use the enclosed copy of Autodiagnos PC Pro for your normal business on a single computer at one location. Use in a computer network is only allowed if an appropriate Network Licence Agreement has been concluded with Autodiagnos.

### 4. Copyright

- a. Autodiagnos reserves all copyrights to AUTODIAGNOS PC PRO. This applies in particular to all exploitation, publication and reproduction rights.
- b. You may not copy, give away, hire out, lend, or make otherwise available, Autodiagnos PC Pro to third parties without prior written consent of Autodiagnos.
- c. You may not transfer Autodiagnos PC Pro via a network or other data transfer connection to another computer.

### 5. Compensation in the Event of Violation of the Agreement on Your Part

You shall be obliged to pay compensation if Autodiagnos incurs damages through violation of the copyright on your part. In the event of violation of the Agreement on your part, your right to use Autodiagnos PC Pro shall be terminated without notice and compensation.

# Licence Agreement

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## 6. Warranty and Liability

If any copy of Autodiagnos PC Pro is demonstrated to Autodiagnos to contain an error or malfunction, Autodiagnos will use all reasonable endeavours to correct such error or malfunction before the release of the next update, or (at its discretion) replace such copy free of charge, provided that :

- a. the application has been used at all times properly and in accordance with the instructions for use;
- b. no alteration, modification or addition has been made to the software without Autodiagnos's prior written consent.

## 7. Waiver

Although every care has been taken to ensure that Autodiagnos PC Pro data is accurate and complete, no liability other than that which may not be excluded by law, can be accepted for any damages, loss or injury caused by errors or omissions in the data. In no case shall Autodiagnos's liability exceed the Licence Fee you paid for the use of Autodiagnos PC Pro during the current year. The disclaimer and limitations set forth will apply regardless of whether you accept AUTODIAGNOS PC PRO.

## 8. Assignment

Autodiagnos is at any time authorised to assign its rights and liabilities from this software agreement to an affiliated company. By entering into the Agreement you already agree with this assignment.

## 9. Law

The Agreement is governed by the laws of the U.K.

If you have any questions concerning this Agreement, please contact Autodiagnos Product Support on +44 (0) 844 665 7623.

## Disposal of equipment



- Do not dispose of this equipment as miscellaneous solid municipal waste but arrange to have it collected separately.
- The re-use or correct recycling of electronic equipment (EEE) is important in order to protect the environment and the wellbeing of humans.
- In accordance with European Directive WEEE 2002/96/EC, special collection points are available for the delivery of waste electrical and electronic equipment.
- The public administration and producers of electrical and electronic equipment are involved in facilitating the processes of the re-use and recovery of waste electrical and electronic equipment through the organisation of collection activities and the use of appropriate planning arrangements.
- Unauthorised disposal of waste electrical and electronic equipment is punishable by law with appropriate penalties.

## Disposal of batteries



- Batteries must be recycled or disposed of properly. Do not throw batteries away as part of normal refuse disposal.
- Do not throw batteries into open flame.

# AUTODIAGNOS

## PC PRO

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