## REVISION OF THE ATEQ DIAG VT PORTABLE

<table>
<thead>
<tr>
<th>Edition/Revision</th>
<th>Reference</th>
<th>Date (week/year)</th>
<th>Chapters updated</th>
</tr>
</thead>
</table>
DECLARATION OF CONFORMITY 00

We the undersigned, ATEQ, manufacturers of the ATEQ VT PORTABLE REF : 240.00 declare that it complies with the requirements of :

- LOW VOLTAGE Directive 93/68/CEE regarding:
  
  • standard EN 61 010-1 « Safety requirements for electrical equipment for measurement, control and laboratory use »,

- Directive CEM 89/336/CEE partially modified by Directive CEM 92/31/CEE regarding :
  
  • standard EN 50 081-2 « Industrial environment emission generic standard »,
  • standard EN 50 082-2 « Industrial environment immunity generic standard »,
  • standard EN 61 000-4-2 « Test for immunity to electrostatic discharges »,
  • standard EN 61 000-4-3 « Test for immunity to electromagnetic fields radiated at radio frequencies »,

This enables ATEQ to guarantee that this instrument may be used in complete safety under the following environmental conditions :

• indoor use,
• altitude up to 3000 metres,
• ambient operating temperature from 5°C to 45 °C,
• 70 % maximum relative humidity without condensation,
• degree of pollution 2 as in CEI 664 (only non-conductive pollution. However a temporary conductivity caused by condensation may occasionally be expected ).

Chairman and Managing Director.
Mr. Jacques MOUCHET

[Signature]

ATEQ
Tél. : +33 (0) 1 30 80 10 20 - Fax : +33 (0) 1 30 54 11 00
15, rue des Dames - 78340 LES CLAYES SOUS BOIS – France
www.ateq.com
ATEQ, THE ASSURANCE OF A COMPETENT AFTER SALES SERVICE

- THE ATEQ AFTER SALES SERVICE IS:
  - a team of qualified technicians,
  - a permanent telephone assistance,
  - agencies close to you for faster reaction,
  - a stock of spare parts available immediately,
  - a car fleet for rapid intervention,
  - a commitment to quality ...

- THE OVERHAUL
ATEQ carries out the overhaul of your instruments at interesting prices.
The overhaul corresponds to the maintenance of the instrument (checking, cleaning, replacing of used parts) as part of preventive maintenance.
Preventive maintenance is the best way to guarantee reliability and efficiency. It allows the maintenance of a group of instruments in good operational order and prevent eventual break-downs.

- MAINTENANCE KITS
The ATEQ After Sales Service proposes, two kits destined for the preventive maintenance of the pneumatic circuits of instruments.

- CALIBRATION
This may be carried out on site or in our offices.
ATEQ is attached to the COFRAC and delivers a certificate following a calibration.

- TRAINING COURSES
In the framework of partnership with our customers, ATEQ offers two types of training in order to optimise the usage and knowledge of our instruments. They are aimed at different levels of technician:
  - method / control training,
  - maintenance / upkeep training.

- A TARGETED TECHNICAL DOCUMENTATION
A number of technical documents are at your disposal to allow you to intervene rapidly in the event minor breakdowns:
  - problem sheets describing and offering solutions to the main pneumatic and electronic problems,
  - several maintenance manuals.

- A QUALITY GUARANTEE
The instruments are guaranteed for parts and labour in our offices:
  - 2 years for leak detection equipment,
  - 1 year for electrical tests to norms instruments,
  - 1 year for the accessories.
Our After Sales Service is capable of rapidly answering all your needs and queries.

ATEQ recommends to made realise by its departments a revision and a calibration of the instruments every year
PREFACE

Dear Customer,

You have just purchased an ATEQ instrument, we thank you for the trust you have placed on our brand. This instrument has been designed to ensure a long and unparalleled life expectancy, and we are convinced that it will give you complete satisfaction during many long years of operation.

In order to maximise the life expectancy and reliability of your ATEQ instrument, we recommend that you install this instrument on a secured workbench and advise you to consult this manual in order to familiarise yourself with the functions and capabilities of the instrument.

Our ATEQ After Sales Service centre can give you recommendations based on your specific operation requirements.

ATEQ
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1. DESCRIPTION OF THE PORTABLE ATEQ VT

The principle of this instrument is to awaken and then retrieve data from smart valves mounted on vehicle wheels, in order to check their identifiers and/or program the vehicle's onboard computer. This instrument is intended for making adjustments on vehicles on the production line, or for programming valves in any company that uses or installs smart valves.

The instrument interacts with the smart valves via radio (the transmission frequency to awaken them is 125 kHz and the reception frequencies are 433 MHz or 315 MHz).

2. FEATURES

2.1. RADIO FREQUENCIES

Awakening transmission frequency: 125 kHz.
Reception frequencies: 433 MHz or 315 MHz.
Transmission power is adjustable from 0 to 9 in steps of 1.

2.2. TYPE OF RIMS

Aluminium, steel or special rims.

2.3. TYPE OF TIRES

Normal or blow-out-proof.

2.4. TYPE OF VALVE

This device is used for all the valves types.
Chapter 1

INSTALLATION OF THE INSTRUMENT

1. DESCRIPTION OF THE PORTABLE ATEQ VT

PORTABLE ATEQ VT is a portable unit fitted with an antenna.

The instrument can be connected to external appliances (computer) to enable interaction and to retrieve data gathered. The communication network is of CAN type.

The instrument operates on lithium ion batteries with a voltage of 12 V DC, and it is supplied with a special transformer and power supply to charge the batteries.
2. INSTALLATION OF THE ATEQ VT

2.1. DESCRIPTION OF THE CONNECTORS ON THE UNIT

2.1.1. 24 V DC power connector

Connector for 24 V DC power for charging the battery. (Concentric jack connector).

2.1.2. USB connector

The USB connector allows software updates to be installed onto the tool.

2.1.3. OBD connector

Allows connecting the OBD interface to transfer data to the vehicle.
1. DESCRIPTION OF THE FRONT PANEL OF THE ATEQ VT

[Diagram of ATEQ VT showing LCD display and Keypad]
2. DESCRIPTION OF THE KEYS ON THE KEYPAD

2.1. ON / OFF KEY

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>![Power Button]</td>
</tr>
<tr>
<td></td>
<td>Switches the unit on and off. To <strong>turn on</strong>, press the key for one second. To <strong>turn off</strong>, press the key (more than 3 seconds) until the instrument switches off. Pressing this key (less than 3 seconds) displays the battery level, so that you can ascertain the charge level.</td>
</tr>
</tbody>
</table>

2.2. NAVIGATION KEYS

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>![Up Arrow]</td>
</tr>
<tr>
<td></td>
<td>Move up in menus or increment numeric values.</td>
</tr>
<tr>
<td></td>
<td>![Down Arrow]</td>
</tr>
<tr>
<td></td>
<td>Move down in menus or decrement numeric values.</td>
</tr>
<tr>
<td></td>
<td>![Enter Key]</td>
</tr>
<tr>
<td></td>
<td><strong>ENTER</strong> key (validation) Enter the <strong>&quot;SETTINGS&quot;</strong> menu (press and hold for 1 second) Edit a setting; Validate a setting.</td>
</tr>
<tr>
<td></td>
<td>![Cancel Key]</td>
</tr>
<tr>
<td></td>
<td>&quot;C&quot; to <strong>CANCEL</strong> Return to the previous menu or the previous function Escape without editing a setting.</td>
</tr>
</tbody>
</table>

2.3. CYCLE KEYS

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>![Cycle Keys Diagram]</td>
</tr>
<tr>
<td></td>
<td>Keys for actuating the acquisition cycle for each wheel. Order: (left to right and top to bottom) front left wheel, front right wheel, rear left wheel, spare wheel and rear right wheel.</td>
</tr>
</tbody>
</table>
## 2.4. System keys

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECU Flash</td>
<td>Key for starting the data transfer from the instrument to the vehicle.</td>
</tr>
<tr>
<td>F</td>
<td>Pressing this key causes the instrument to display the various data items transferred from the valve to the appliance. Valve identifier. Pressure in the wheel measured by the valve. Temperature in the wheel measured by the valve.</td>
</tr>
<tr>
<td></td>
<td>Pressing this key illuminates the screen.</td>
</tr>
<tr>
<td></td>
<td>Note: pressing any key on the instrument and a change in status (arrival of the result, etc.) illuminates the screen.</td>
</tr>
<tr>
<td>Barcode</td>
<td>Key for starting the bar code reader to read the VIN.</td>
</tr>
</tbody>
</table>

### 3. LCD Display

Displays measurements and adjustable settings.
Chapter 3

START-UP AND USE

1. SWITCHING-ON THE INSTRUMENT

Before switching the instrument on, it is important to charge the batteries.
Connect the charger to the AC power network and connect it to the ATEQ DiagVT unit.
The recommended charging time is two hours, estimated time for a full charge.

<table>
<thead>
<tr>
<th>Press the key for a few seconds.</th>
<th>The ATEQ VT logo is displayed for a few seconds.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displays the device’s software version.</td>
<td>DIAG VT Version 4KR-00</td>
</tr>
<tr>
<td>Then goes on standby for cycle start.</td>
<td>FORD TG1C LEFT FRONT VIEW TIRE (C) RETURN TO MENU (C) READ SENSER</td>
</tr>
</tbody>
</table>

Note: the battery charger operates with an output voltage of 24 V DC.

2. BATTERY LEVEL

Press and hold the key to check the battery status.

Note: if the instrument doesn’t turn on, before any service on the device, recharge completely the battery.
### 3. TESTING A TPM SENSOR

#### 3.1. LAUNCH A TEST

**Step 1** – From the main menu, select the “VEHICLE SELECTION” menu and validate with the key.

**Step 2** – Select the vehicle brand by using the or keys and validate with the key.

**Step 3** – The device is ready to start a sensor acquisition.

**Step 4** – Position the end of the antenna in front of the valve of a wheel, and press the measurement actuation key for the wheel concerned.

**Step 5** - Hold the tool with in a few inches from the TPM sensor and press one of these wheel keys* to select the wheel location. The tool will begin to transmit some frames and search step by step between the several sensors types of the selected brand.

* The wheel keys are represented as follows: FORD TG1C LEFT FRONT

---

**Main Menu**

<table>
<thead>
<tr>
<th>MAIN MENU</th>
<th>VEHICLE SELECTION SETTINGS LANGUAGE</th>
</tr>
</thead>
</table>

**Vehicle Selection**

<table>
<thead>
<tr>
<th>VEHICLE SELECTION</th>
<th>FORD TG1C</th>
</tr>
</thead>
</table>

**Navigation Keys**

<table>
<thead>
<tr>
<th>VIEW TIRE</th>
<th>RETURN TO MENU</th>
<th>READ SENSOR</th>
</tr>
</thead>
</table>

**TPM Sensor Key**

<table>
<thead>
<tr>
<th>FORD TG1C LEFT FRONT</th>
<th>STEP: 1/1</th>
<th>(C) : STOP TRIGGER PROCESSING</th>
</tr>
</thead>
</table>

---

Chapter 3 – Start-up and use
**Step 6** – The tool will beep after receiving the sensor information. The tool will store the sensor results and will display the sensor ID, pressure, and sensor state of the sensor that is triggered.

If the instrument doesn’t receive any information from the sensor, or if the sensor is not compatible with the parameters, after a time out the instrument stops its cycle, the message **"NO SENSOR DETECTED"** is displayed and you can restart the trigger sequence by pressing the corresponding wheel button again.

If the tool receives an identifier already acquired, the message **"DUPLICATE SENSOR"** is displayed.

By using the or it's possible to see the sensors already acquired on each locations.

By using the key, it display the wheel identifiers acquired on each location. The "VIN" number is the identifier of the vehicle acquired with the barcode reader.

Press the key to return to the main menu.

*The **spare wheel key** is not operative for the moment.*
3.2. RESULTS EXPLANATION

The picture below is an example of a sensor data communication result:

Warning: depending on sensor model, the information contained in this screen may vary.
4. CLEARING RESULTS

In the event of fail acquisition of the sensor, you can clear the measurement results.

During a vehicle’s sensor acquisition, it’s possible to return to the main menu by pressing the \( C \) key.

The "VEHICLE IN PROCESS" menu is displayed, three possibilities can be done:

- "SAME VEHICLE" to return and continue the sensor data acquisition on the current vehicle.
- "ERASE RECORDS" to return and restart the sensor data acquisition on the current vehicle, all the data sensors are deleted.
- "NEW VEHICLE" to return to the "VEHICLE SELECTION" menu and restart a sensor data acquisition with a new vehicle, all the current data is deleted.

During a vehicle acquisition, to return to the main menu, you have to select "NEW VEHICLE" menu and then erase all the current records.

5. STOPPING A CYCLE

The cycle stops automatically after reception of the sensor data, after a previously-established time interval if the sensor does not respond. However, you can also stop the current acquisition by pressing the \( C \) key.
6. READ THE VIN NUMBER

The DiagVT device is fitted with a bar code reader. This is to read the VIN* number.

6.1. OPERATION

To read the bar code, approach the DiagVT device (about 10 cm or 4 inches) in front of the bar code.

Press the **Barcode** key, the red light will illuminate.

Light the bar code to have the beam of red light that extends of each side.

When pressing the **Barcode** key, during the reading, the message "BAR CODE READER IN PROGRESS" is displayed.

If the code is read, the device displays it.

By using the **F** key, the wheel identifiers and the "VIN" number are displayed. All the identifiers are ready to be transmitting to the vehicle ECU.

*VIN: Vehicle identification number
7. OBD TRANSFER

7.1. PRESENTATION

The information captured by the tool have to be transferred to the vehicle ECU* with the OBD interface.

*ECU: Engine Control Unit.
### 7.2. Operation

To transfer the data, you must acquire before the four sensors identifiers and the VIN. If not, the device will not transfer any data.

<table>
<thead>
<tr>
<th>The detection is automatic at the connection of the OBD2 module to the DiagVT device. The OBD2 module menu is displayed. When this message appears, turn on the vehicle ignition key.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect the OBD2 module to the vehicle ECU connector then confirm with Key.</td>
</tr>
<tr>
<td>Connect the OBD2 module to the vehicle ECU connector then confirm with Key.</td>
</tr>
<tr>
<td>The device is connecting to the ECU.</td>
</tr>
<tr>
<td>Transmit the data in the ECU.</td>
</tr>
<tr>
<td>When the transfer is carried out, the message SUCCESSFUL TRANSFER is displayed, the new sensors data are correctly transferred. Turn the ignition key off and disconnect the OBD2 module from the vehicle.</td>
</tr>
<tr>
<td>If the connection is fail or if the ignition key is not turned on this message appears.</td>
</tr>
<tr>
<td>If there a failure in the data transfer, the message TRANSFER FAILURE appears, check the connections and try again from acquisition of the four wheels sensors data.</td>
</tr>
</tbody>
</table>
## Chapter 4

### DIAGVT SETTINGS

See appendices for the security, care, maintenance and recycling information.

### 1. LANGUAGES

Several languages are available. If the displayed is not suitable, press the CoDetec key repeatedly until the menu LANGUAGE appears.

| The LANGUAGE menu is available from the main menu, below the SETTINGS menu. | **MAIN MENU**
|---|---|
| | **VEHICLE SELECTION**
| | **SETTINGS**
| | **LANGUAGE**

Then by using the ▲ or ▼ keys, choose the suitable menu’s language and validate with the key.

| **LANGUAGE** | **ENGLISH**
|---|---|
| | **ESPANOL**
| | **FRANCAIS**
### 2. SETTING ADJUSTMENT

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Press the select button on settings in the main menu.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Step 2</th>
<th>Press the <strong>up</strong> or <strong>down</strong> keys until you are ready to select the feature you would like to adjust.</th>
</tr>
</thead>
</table>

- **LF Power:** User can adjust the value for transmission power in order to awaken the valve.

- **Units:** User can change the unit of result display among kPa or PSI and °C or °F.

- **Format:** The user can select the display format for the identifier, choice among Auto (for automatic) Decimal or Hexadecimal.

- **Buzzer on:** The user can select if the tool is vibrating after receiving the sensor information.

- **Back light:** The user can adjust the light intensity of the display. The back light increases the battery consumption.

- **Auto Off:** The tool will turn off automatically after a preset number of minutes since the tool has been last used. This feature can be disabled.

- **Frequency:** The user can specify the frequency on which the valve will transmit its identifier.
3. PARAMETERS SETTING

3.1. LF POWER

User can adjust the value for transmission power in order to awaken the valve. The higher you set the power, the faster the battery will be drained. The valve will not awaken more easily if power is on maximum; you have to find the right balance between minimum of LF Power, the distance between the receiver and the sensor, and its characteristics.

From the main menu, access to the settings menu by pressing the key.

Select LF POWER menu and confirm with the key.

The cursor goes on the right side, then adjust the LF POWER value by using the arrows, confirm with the key.

Return to the main menu with the key.

3.2. UNITS

This parameter allows the operator to choose the pressure unit displayed by the instrument.

You have a choice among kPa or PSI and °C or °F.

From the main menu, access to the settings menu by pressing the key.

Select UNITS menu and confirm with the key.
### 3.3. FORMAT

This setting is to display the sensor identifier in the decimal or hexadecimal format following the user's preferences.

| Select the unit by using the up and down arrows and confirm with key. | **UNITS SELECTION**  
| | | kPa/°C  
| | | > PSI/°F  
| | | PSI/°C  |
| The new units are selected. | **SETTINGS**  
| | | > UNITS : PSI/°F  
| | | BUZZER ON : YES  
| | | BACK LIGHT : 100 %  |
| Return to the main menu with the key. | **MAIN MENU**  
| | | VEHICLE SELECTION  
| | | RKE TEST  
| | | > SETTINGS  |

#### From the main menu, access to the settings menu by pressing the key.

| Select **FORMAT** menu and confirm with the key. | **MAIN MENU**  
| | | VEHICLE SELECTION  
| | | > SETTINGS  
| | | LANGUAGE  |

| Select the format by using the up and down arrows and confirm with key. | **FORMAT**  
| | | AUTO  
| | | DECIMAL  
| | | > HEXADECIMAL  |
| The new format is selected. | **SETTINGS**  
| | | LF POWER : 55 %  
| | | UNITS : PSI/°C  
| | | > FORMAT : HEXADECIMAL  |
| Return to the main menu with the key. | **MAIN MENU**  
| | | VEHICLE SELECTION  
| | | > SETTINGS  
| | | LANGUAGE  |
### 3.4. BUZZER

This parameter allows the user to select if the tool will vibrate after receiving the sensor information. You have a choice among **YES** or **NO**.

- From the main menu, access to the settings menu by pressing the **key**.

- Select **BUZZER** menu and confirm with the **key** (the cursor goes on the right side).

- Select **YES** or **NO** by using the up and down arrows and confirm with **Key** (the cursor return to the left side).

  - The new option is selected.
  - Return to the main menu by pressing the **key**.

### 3.5. BACK LIGHT

The “**BACK LIGHT**” function allows the user to adjust the light intensity of the display. The back light increases the battery consumption.

- Select the “**SETTINGS**” menu by using the **and** keys and press the **key**.

- Select the “**BACK LIGHT**” parameter and press the **key**.
### 3.6. Auto Off

This function is used to turn off the instrument after a programmed time without use. The programmed time is between 1 and 60 minutes or never.

| From the main menu, access to the settings menu by pressing the key. | **MAIN MENU**  
| VEHICLE SELECTION > SETTINGS > LANGUAGE |
| Select AUTO OFF menu and confirm with the key (the cursor goes on the right side). | **SETTINGS**  
| BUZZER ON : YES  
| BACK LIGHT : 100 %  
| AUTO OFF : DISABLED |
| Configure a new timing for the auto off by using the up and down arrows and confirm with Key (the cursor return to the left side). | **SETTINGS**  
| BUZZER ON : YES  
| BACK LIGHT : 100 %  
| AUTO OFF : DISABLED |
| The new timing is validated. **Note:** to have a disable AUTO OFF function, configure the timing under 1 minute then DISABLE is displayed. | **SETTINGS**  
| BUZZER ON : NO  
| BACK LIGHT : 100 %  
| AUTO OFF : 10 mn |
| Return to the main menu by pressing the key. | **MAIN MENU**  
| VEHICLE SELECTION > SETTINGS > LANGUAGE |
3.7. Frequency

The user can specify the frequency on which the valve will transmit its identifier. Choose between 315 MHz and 433 MHz (default value). The frequency depends on the country in which the vehicle is sold (local transmission and reception authorizations).

Select the “SETTINGS” menu by using the and keys and press the key.

Select the “FREQUENCY” parameter and press the key.

Then select the frequency mode between AUTO, 433 MHz or 315 MHz.

Press the button to return to the main menu.
Chapter 5 - Accessories

ACCESSORIES

1. ACCESSORIES SUPPLIED WITH THE INSTRUMENT

1.1. Power supply

The power supply (fitted with the instrument) converts a network voltage (100 to 240 V AC) into a 24 V DC low voltage supply. It has no power switch and works as soon as it is plugged in.

It allows supplying the battery device which manage itself the charge.

It is protected against surges and short circuits via a thermal fuse (do not use any other type of fuse).

The instrument is not designed to work during the battery charge.

1.2. OBD Cable

The OBD cable allows the connection between the DiagVT device and the vehicle ECU and transferring the sensors’ data.
2. ACCESSORIES IN OPTION

2.1.1. USB Cable

The **USB** cable (supplied in option with the device) allows the connection between the instrument and a personal computer.
Chapter 6 – Error messages

Chapter 6

ERROR MESSAGES AND TROUBLESHOOTINGS

The ATEQ VT instrument can output error messages in the event of operating problems.

1. ERROR MESSAGES

<table>
<thead>
<tr>
<th>NO SENSOR DETECTED</th>
<th><img src="image" alt="Chrysler Left Front - No Sensor Detected" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>There's no return sensor information.</td>
<td>Actions:</td>
</tr>
<tr>
<td>1) Try again the test and modify the position of the device on the wheel.</td>
<td>2) Check the vehicle brand and the selected zone.</td>
</tr>
<tr>
<td>3) Change the sensor by a new one.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DUPLICATE SENSOR</th>
<th><img src="image" alt="Chrysler Right Front - Duplicate Sensor" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>The detected sensor is still recorded for another wheel.</td>
<td>Actions:</td>
</tr>
<tr>
<td>1) Test on another wheel.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INFLATE TO 52 PSI…</th>
<th><img src="image" alt="Honda Motorcycle Front Tire - Inflate to 52 PSI" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Only available on some vehicle, if sensor is not detected.</td>
<td>Actions:</td>
</tr>
<tr>
<td>1) Follow the instructions displayed and test again.</td>
<td>2) Change the sensor by a new one.</td>
</tr>
</tbody>
</table>

If the connection is fail or if the ignition key is not turned on this message appears.

If there a failure in the data transfer, the message "TRANSFER FAILURE" appears, check the connections and try again from acquisition of the four wheels sensors data.
### 2. TROUBLESHOOTINGS AND SOLUTIONS

<table>
<thead>
<tr>
<th>Troubleshooting</th>
<th>Possible cause and solution</th>
</tr>
</thead>
</table>
| My device does not switch on. | 1) The battery is empty. Charge completely the battery and try again.  
2) If it doesn’t start after charging, contact ATEQ after sales service. |
| My device doesn’t detect sensor or no information returns from the sensor. | 1) The car brand selected is a wrong one. Check the car brand selected in the device, it must be the same than the controlled car.  
2) The selected frequency is not the same of the car origin. Check the frequency in the device, if it not the right one, it won’t be the right communication frequency.  
3) No sensors in he wheels. Check the presence of sensors in the wheels.  
4) The sensor is out of services, change it. |
| The brand doesn’t exist in my device, I can't run a control. | 1) The device is not updated. Possibility of later up date, check with the WebVT software for updates. |
| My device doesn't communicate with my PC. | 1) A wrong communication port is selected. Check the communication port for the USB connection. |
| My device won't transfer the data to the ECU. | 1) The communication is not right. Check the connection of the OBD2 module to the car connector.  
2) The ECU is not switched on. Check the position of the ignition key that must be on. |
Chapter 7

DRIVERS INSTALLATION

For this device, the connections for update are carried out by the USB connector.

1. INSTALLATION UNDER WINDOWS© VISTA

1) Please insert the CD that was provided with the DIAGVT.
2) Connect the USB wire to the USB connector of your PC and DiagVT.
3) Then turn on the instrument.
4) The following window will appear. Click the "Cancel" button in the bottom right corner of the screen.

5) In the CD drive, open the file “AteqUsbDriver for DiagVT”.

6) The following screen will appear. Depending on your operating system, open the file for “XP” or “VISTA”. For XP see paragraph 13.2.

7) Using “VISTA” file as an example, the following window may appear. Select “Allow”.

User Account Control

An unidentified program wants access to your computer

User Account Control stops unauthorized changes to your computer.
The source and purpose of this program are unknown. Don't run the program unless you have used it before or know where it's from.

Cancel
I don't know where this program is from or what it's for.

Allow
I trust this program because I've used it before or I know where it's from.

Details
8) The following window will appear, click “Next >” to continue and follow the onscreen instructions to complete.

9) Click “Install driver software anyway” if this appears.

10) When the drivers are successfully installed, the following window will appear. Click “Finish”.

---

Chapter 7 - Drivers installation
2. INSTALLATION UNDER WINDOWS© XP

1) Connect the USB wire to the USB connector of your PC and on the DiagVT device.

2) Switch on the device.

3) The following window appears, select “No, not this time” and click on the “Next >” button.

4) Select the “Install the software automatically (recommended)” option and click on the “Next >” button.

5) When this window appears, click on the “Continue anyway” button.
6) Then drivers are installed.

7) Congratulations, the **DiagVT** device is ready to be updated. Click on the “**Finish**” button.
1. TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>DiagVT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Case dimensions</strong> H x D x P (mm):</td>
<td>220 x 115 x 70</td>
</tr>
<tr>
<td><strong>Overall dimensions</strong> (with nose):</td>
<td>285 x 155 x 870</td>
</tr>
<tr>
<td><strong>Power supply</strong>:</td>
<td>24 V DC external supply</td>
</tr>
<tr>
<td><strong>Battery</strong>:</td>
<td>Lithium-ion, voltage: 12 V DC</td>
</tr>
<tr>
<td><strong>Autonomy: normal use (intensive)</strong></td>
<td>8 hours (6 hours)</td>
</tr>
<tr>
<td><strong>Electrical connections</strong>:</td>
<td>Concentric jack</td>
</tr>
<tr>
<td><strong>Network type</strong>:</td>
<td>CAN network</td>
</tr>
<tr>
<td><strong>Display</strong>:</td>
<td>4 lines. L.C.D. 65 mm x 32 mm</td>
</tr>
<tr>
<td><strong>Weight (kg)</strong>:</td>
<td>about 1,6 Kg</td>
</tr>
<tr>
<td><strong>Temperatures</strong>:</td>
<td></td>
</tr>
<tr>
<td><strong>Operational</strong>:</td>
<td>+ 5°C to + 45°C</td>
</tr>
<tr>
<td><strong>Storage</strong>:</td>
<td>0°C to + 60 °C</td>
</tr>
<tr>
<td><strong>Relative humidity</strong>:</td>
<td>70 to 80 %</td>
</tr>
</tbody>
</table>

2. FEATURES

2.1. RADIO FREQUENCIES

The awakening transmission frequency is: 125 kHz (LF).

The reception frequencies are: 433 MHz and/or 315 MHz (VHF) following the geographic zones.
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