

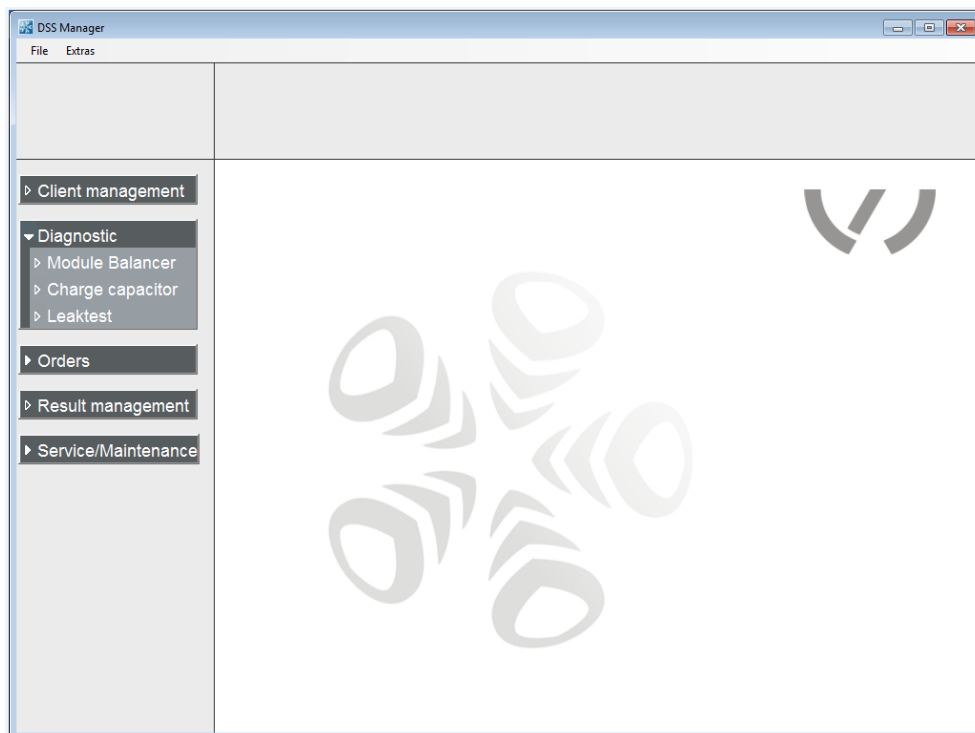
# VOLKSWAGEN AG

## DSS Manager for

- VAS 6910 Module Balancer
- VAS 6911 Leakagetester
- VAS 6558A/13A C Charge / Discharge

Operating manual V2.00

12/18



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# **1 General Information**

## **1.1 General Notes**

The DSS Manager starts the programs VAS 6910 (module-balancer), VAS 6911 (leak tester) and VAS 6558A/13A (C charge / discharge).  
It manages vehicle-, customer- and workshop data

## **1.2 Safety Notes**

Please observe the operating instructions VAS 6910, VAS 6911 and VAS 6558A/13A.

## 2 Diagnostic System Software (DSS)

### 2.1 DSS Manager

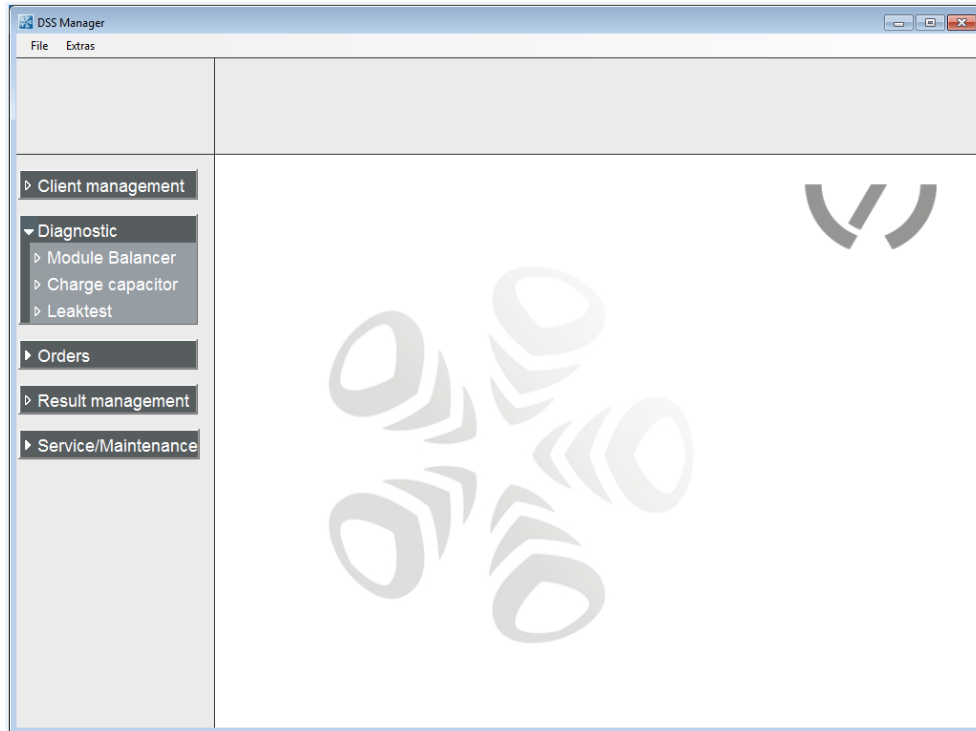


Fig. 2-1

## 2.1.1 File

### 2.1.1.1 Close all applications

**File | Close all applications** will close all applications with the exception of the DSS Manager.

### 2.1.1.2 Stop devices

Applications which use devices (AVL AUX, AVL GAS ...) or device drivers will be closed.

Always click **File | Stop devices** before disconnecting devices from a USB interface.

After inserting the USB plug, click **F8 next**.

---

#### NOTICE

Never disconnect/connect devices from/to a USB port without clicking **File | Stop devices** (and afterwards pressing **F8 next**).

The PC might no longer respond. If this happens, restart the PC.

---

### 2.1.1.3 Quit

DSS Manager is exited via **File | Quit** or by clicking  .

## 2.1.2 Tools

### 2.1.2.1 Settings

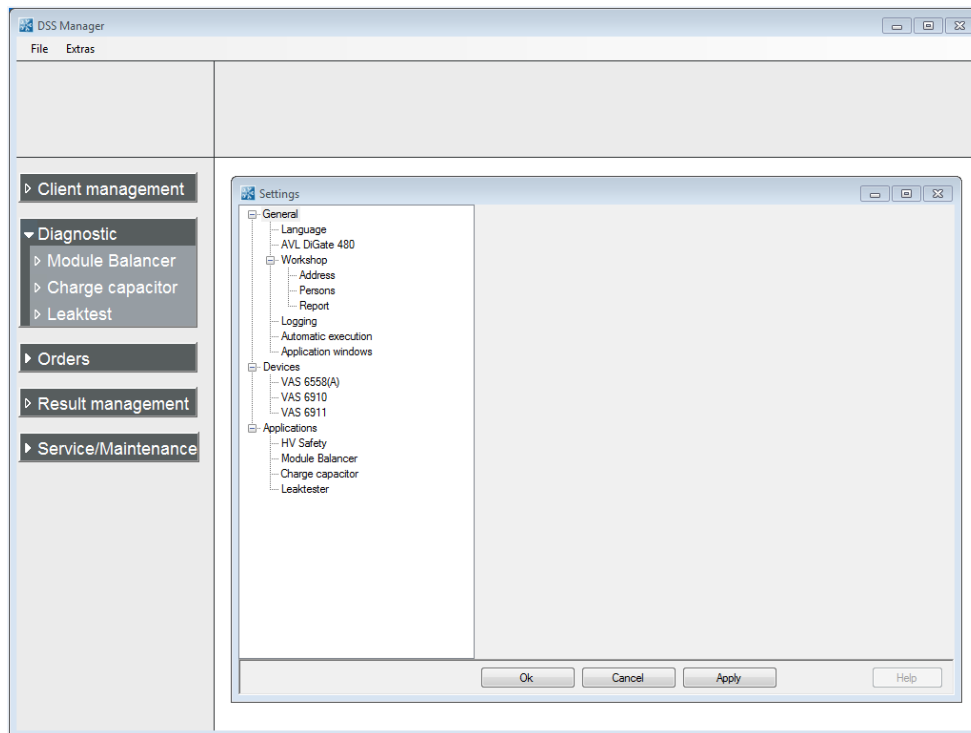


Fig. 2-2

#### 2.1.2.1.1 Language

Click on **Tools | Settings | Language**.

Here, you can select the desired language.

|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| <b>OK</b>     | Quits the “ <i>Language</i> ” function. The application window appears. |
| <b>Cancel</b> | Quits the “ <i>Language</i> ” function without saving changes.          |
| <b>Apply</b>  | Applies the entered values.                                             |
| <b>Help</b>   | Shows help text.                                                        |

#### Information

The buttons **OK**, **Cancel**, **Apply** and **Help** always have the same function under “*Tools*” and will not be discussed any further below!

#### 2.1.2.1.2 Asanetwork

This function is not applicable/available in this VAS variant.

Click on **Tools | Settings | asanetwork**.

##### Service Location DLOC

The asanetwork location is entered during installation under “**Service Location DLOC**”.

Only ever change this entry if necessary, for example, if several stations are operated in the network.

##### Additional services

###### Target Data Service:

Enable the **Set value service** if your asanetwork provides a choice of nominal data.

###### Advanced vehicle type data:

Enable **Extended vehicle data information** if your asanetwork provides an extended choice of vehicle type data such as date of first registration, fuel type and engine code.

##### Unsent result protocols of exhaust emission tests

If you select **Enable deleting of obsolete results**, then obsolete results will be deleted automatically.

If **Delete with user confirmation** is selected, then results will only be deleted upon confirmation.

With **Delete after (in days)**, you can define how many days unsent AU results logs will be kept on the local system before being automatically deleted.

##### Sent AU event logs

Save sent AU event logs:

Check this box if you wish for sent AU results logs to remain saved after sending.

###### Days to save:

Set here the number of days a sent results log should be kept before it is automatically deleted.

This option is only available if “*Save sent AU results logs*” has been selected.

##### Order view

By selecting **Standard** or **Extended**, you can select the view (i.e. display of additional data in the form of additional columns) of jobs over the workshop network.

##### Show completed jobs

If **Show completed orders** is enabled, then the completed jobs will be displayed under “*Orders*”, “*asanetwork*” and “*Select orders*”.

#### 2.1.2.1.3 AVL DiGate 480

This function is not applicable/available in this VAS variant.

Click on **Tools | Settings | AVL DiGate 480**.

##### Directory for backup classified according to year and month

If this option is enabled, then the network drive on which the results shall be saved (in XML and PDF format) can be selected by clicking on  .

The connection to the network drive can be tested with **Test**.

##### Directory for transmission to external applications

If this option is enabled, then the network drive on which the results shall be saved for forwarding to external applications (in XML format) can be selected by clicking on  .

The connection to the network drive can be tested with **Test**.

#### 2.1.2.1.4 Workshop

##### a) Address

Click on **Tools | Settings | Address** and enter your details in the labeled fields.

##### b) Personnel

Click on **Tools | Settings | Personnel**.

Clicking **New** opens an input window into which you can enter the name of a new tester.

Return to "Tester" with **OK**.

Clicking **Delete** deletes the blue-highlighted tester name.

Clicking **Edit** opens an input window in which you can edit the blue-highlighted tester name.

Return to "Tester" with **OK**.

Clicking **Current Operator** selects the blue-highlighted tester name (or clicking the desired tester name).

Clicking **Responsible Operator** selects the blue-highlighted tester name (or clicking the desired tester name).

##### c) Report

Clicking **Add** opens a window in which you can select your logo. Click **Open** to confirm the choice of logo.

Logos can be inserted in **BMP, JPG** and **GIF** format.

You can delete the selected logo by clicking **Remove**.

With **Show workshop address on reports**, you can define whether the workshop address shall appear on the log or not.

With **Show vehicle data on reports**, you can define whether the vehicle data shall appear on the log or not.

These settings do not affect the logs of official measurements (AUs).

#### 2.1.2.1.5 Logging

Click on **Tools | Settings | Logging**.

All of the user's interactions can be recorded and saved for servicing purposes by enabling **Logging**.

You can drag the **slider** to set the size of log file that will trigger a warning upon exporting.

Clicking  opens a window with which you can specify the location for saving the log file.

#### 2.1.2.1.6 Automatic Execution

Click on **Tools | Settings | Automatic execution**.

**Executing functions automatically:**

Check the box next to those functions you wish to start automatically.

#### 2.1.2.1.7 Application Window

Click **Tools | Settings | Application window**.

You can set the size and position of the application window by clicking on "Save window position and size".

You can set the application window to appear in the taskbar minimized by clicking "Start window in minimized mode".

#### 2.1.2.1.8 Data Recording

**This function is not applicable/available in this VAS variant.**

Click on **Tools | Settings | Data records**.

In the "Sampling rate" field, select the desired sampling rate in milliseconds.

You can choose the directory in which to save the data recordings by clicking on .

#### 2.1.2.1.9 Device Connections

Click **Tools | Settings | Device connections**.

If "Open automatically upon start-up" has been disabled, the "Device connections" dialog box will not appear when you start AVL DiTEST DSS.

#### 2.1.2.1.10 Bluetooth

**This function is not applicable/available in this variant of VAS!**

Click on **Tools | Settings | Bluetooth**.

Here, you can select the Bluetooth stack (Bluetooth driver) to use.

„Autodetect“ is the default setting.

#### 2.1.2.1.11 AVL OBD

**This function is not applicable/available in this VAS variant.**

---

##### **Information**

The standard AVL DiTEST MDS with AVL DiOBD comes with a Bluetooth connection. A USB cable can alternatively be supplied for the PC connection.

---

Click on **Tools | Settings | OBD**.

##### **Scantool**

Here you can select which scan tool and what connection type to be used.

##### **COM port settings**

If you deactivate the function **COM-Port Auto detection**, you can change the COM port for the AVL OBD manually.

You can select the COM port to be used by clicking on the list field.

##### **Logging**

By clicking on **Scantool communication (continuous)**, you can set the scan tool communication to be logged continuously. As a rule, this option should be disabled, since it can lead to an enormous volume of data.

##### **Bluetooth**

If "Bluetooth" is enabled, you can search manually for the Bluetooth device by clicking  .

Opening the search dialog box automatically launches the search for Bluetooth devices in the device group.

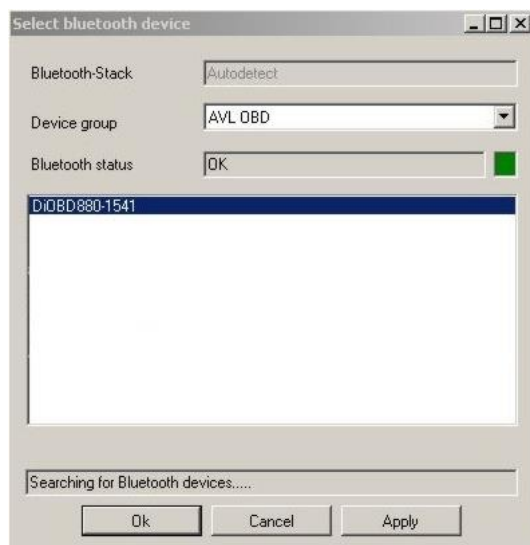


Fig. 2-3 Example AVL DiTEST OBD 880

If the Bluetooth device used is found, then click on it and then click **OK**.

#### 2.1.2.1.12 AVL HV Safety

---

##### **Information**

AVL HV Safety is connected to the PC with a USB cable.

---

Click **Tools | Settings | AVL HV Safety**.

Select USB.

If "Serial" is enabled, you can select the COM port used from the list box.

#### 2.1.2.1.13 VAS 6910

---

##### **Information**

VAS 6910y is connected to the PC with a USB cable.

---

Click **Tools | Settings | VAS 6910**.

Select USB.

If "Serial" is enabled, you can select the COM port used from the list box.

#### 2.1.2.1.14 VAS 6911

---

##### **Information**

VAS 6910 is connected to the PC with a USB cable.

---

Click **Tools | Settings | VAS 6911**.

Select USB.

If "Serial" is enabled, you can select the COM port used from the list box.

#### 2.1.2.1.15 AVL AUX

This function is not applicable/available in this VAS variant.

##### **Information**

##### **Stationary MDS stations:**

Standard AVL AUX – PC communication is via USB cable.

##### **Mobile MDS stations:**

Standard AVL AUX – PC communication is via Bluetooth.

Click on **Tools | Settings | AVL AUX**.

You can click to select the interface to be used by the AVL AUX.

If "Bluetooth" is enabled, you can search manually for the Bluetooth device by clicking . Opening the search dialog box automatically launches the search for Bluetooth devices in the device group.

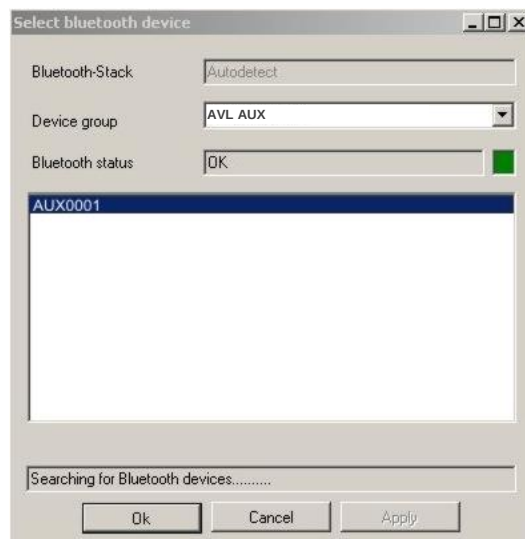


Fig. 2-4

If the Bluetooth device used is found, click on it and then on **OK**.

If "Serial" is enabled, you can select the COM port used from the list box.

#### 2.1.2.1.16 AVL SMOKE

This function is not applicable/available in this VAS variant.

##### Information

The standard AVL DiTEST MDS with AVL SMOKE comes with a Bluetooth connection. An RS232 cable can alternatively be supplied for the PC connection.

Click on **Tools | Settings | AVL SMOKE**.

You can click to select the interface to be used by the AVL SMOKE.

If “Bluetooth” is enabled, then you can search manually for the Bluetooth device by clicking on  .

Opening the search dialog box automatically launches the search for Bluetooth devices in the device group

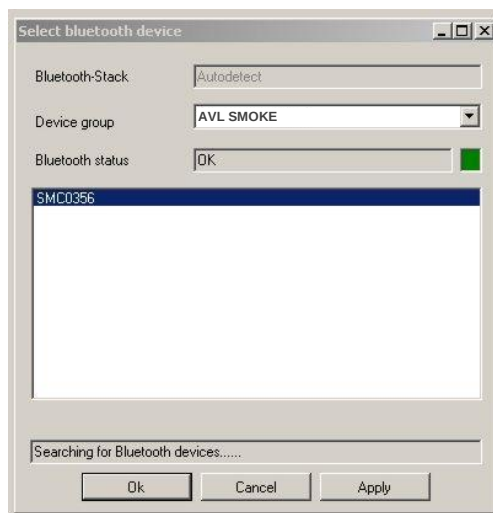


Fig. 2-5 Example AVL DiSmoke 480

If the Bluetooth device used is found, click on it and then on **OK**.

If Bluetooth is not being used, USB should be selected by default to ensure the automatic COM port recognition works.

If your AVL SMOKE connected to the PC by RS232 cable, then select “Serial”. In the list box, select the COM port used.

#### 2.1.2.1.18 AVL GAS

This function is not applicable/available in this VAS variant.

##### Information

###### Stationary MDS stations:

Standard AVL GAS – PC communication is via USB cable.

###### Mobile MDS stations:

Standard AVL GAS – PC communication is via Bluetooth.

Click on **Tools | Settings | AVL GAS**.

You can click to select the interface to be used by the AVL GAS.

If "Bluetooth" is enabled, you can search manually for the Bluetooth device by clicking . Opening the search dialog box automatically launches the search for Bluetooth devices in the device group.

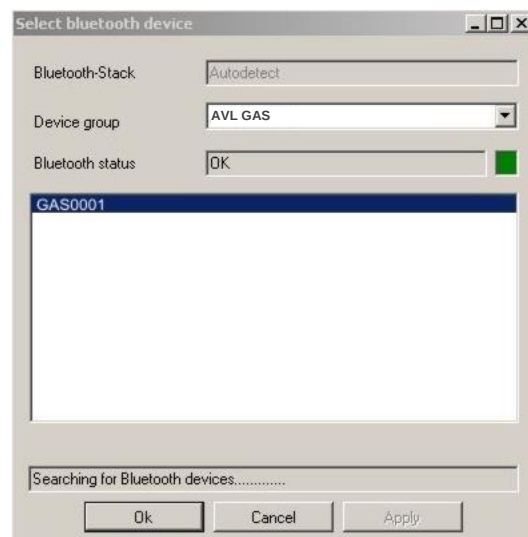


Fig. 2-6

If the Bluetooth device used is found, click on it and then on **OK**.

If "Serial" is enabled, you can select the COM port used from the list box.

#### 2.1.2.1.19 HV Safety

Click **Tools** | **Settings** | **Applications** | **HV Safety**.

##### **Results**

Enabling "*Save automatically*" will automatically save the measurement results.

##### **Automatic feedback**

Enabling "*On*" activates a feedback signal during measurement.

##### **Tester**

If "*Use tester*" is enabled, the name of this tester will be needed when you start measuring with the AVL HV Safety.

Click on "Password input" to enter the tester name and set a password.

##### **Vehicle identification**

If "*Use vehicle identification*" is enabled, the vehicle identification data will be included in the test report.

##### **Activation of specific measurements**

Here you can activate measurements "*insulation monitor review*", "*SAE J 1766 Measurement*" and activate "*overall measurement*".

#### 2.1.2.1.20 Modul-Balancer

Click **Tools | Settings | Applications | Modul-Balancer**.

##### Vehicle identification

If "*Use vehicle identification*" is enabled, the vehicle identification data will be included in the test report.

#### 2.1.2.1.21 Leakagetester

Click **Tools | Settings | Applications | Leakagetester**.

##### Vehicle identification

If "*Use vehicle identification*" is enabled, the vehicle identification data will be included in the test report.

#### 2.1.2.1.22 C charge / discharge

Click **Tools | Settings | Applications | C charge / discharge**.

##### Vehicle identification

If "*Use vehicle identification*" is enabled, the vehicle identification data will be included in the test report.

#### 2.1.2.1.23 Manufacturer Options

Click on **Tools | Settings | Manufacturer options**.

In this password-protected area, you can make further specific settings.

### 2.1.2.2 Log File

Also refer to Chapter 2.1.2.1.5 “Logging” with regard to this.

#### 2.1.2.2.1 Show Log File

Click on **Tools | Logging file | Display**.

A window appears showing the log file.

#### 2.1.2.2.2 Log File exporting

Click on **Tools | Logging file | Export**.

The entire log or individual log files can be exported.

##### a) Export all log files

**F8 Next** The entire log will be compressed.

**F5 Directory** A window opens in which you can select the saving location. Continue with **OK**.

**F8 Next** Creates a zip archive of the entire log.

**F8 Confirm** Exports the entire log; back to main window.

##### b) Export individual log files

**F5 Selection** Shows the log files.

**F2 Choose** Selects all log files.

**F3 Discard** Discards the selected log files.



Selects a log file.

**F8 Next** The anticipated file size is shown.

**F8 Next** Compresses the log files.

**F5 Directory** A window opens in which you can select the saving location. Continue with **OK**.

**F8 Next** Creates a zip archive of the entire log.

**F8 Confirm** Exports the entire log; back to main window.

### 2.1.2.3 System-Update

**This function is not applicable/available in this VAS variant.**

Here you can update the licenses, vehicle data and device firmware of your AVL DiTEST MDS stations.

#### 2.1.2.3.1 License

**This function is not applicable/available in this VAS variant.**

The license may be on a CD or get the license via email in the form of a license file (\*.lic).

1. Insert the CD with the license in the DVD drive or copy the license to a USB flash drive and insert the flash drive into a free USB port.
2. Click on **Tools | System Update | License**.
3. The dialog "License Update" appears  
On the left side you will see the existing licenses.  
Show by clicking on one of the **licenses and the content of the dongle are displayed** details of the dongle and the selected license in the right part of the screen.
4. Click on **F2 File**.  
A window opens in which you can select the license.  
Confirm the selection by clicking **Open**.  
  
The license can now be updated over the Internet.  
Click on **F3 Internet**.  
If the Internet connection exists, the license file will be downloaded automatically.  
Click **Write to dongle** to transfer the license to the dongle.
5. You can print the screen with **F4 Print**.
6. With **F5 Skip**, you can prevent the license update.
7. You can see all licenses in the area on the left.  
In the area on the right, you can see a detailed view of the license that has been highlighted in blue on the left.  
Click on the appropriate license and then click **F8 Next**.  
The license will be transferred to the dongle.
8. Complete the license update by clicking **F8 confirm**.

#### 2.1.2.3.2 Vehicle Data

**This function is not applicable/available in this VAS variant.**

The vehicle data are located on a CD in the form of a self-extracting file (\*.exe).

##### Installing vehicle data:

1. Quit AVL DiTEST DSS if it has been started.
2. Insert the CD with the Sfx installation package in the DVD drive.  
If a window does not open automatically, double-click on the **autostart.exe** file.
3. Click **Vehicle data update for DSS V2.2**.
4. Click on the **vehicle data package** which you wish to install, e.g. [08/2010].
5. An installation program will start.  
Follow the instructions and confirm all messages by clicking **F8 next**.
6. The available license and vehicle data will be copied to the AVL DiTEST DSS system directory to enable direct access to this data during the update.

Quit the installation program by clicking  .

##### Updating vehicle data:

1. Start AVL DiTEST DSS by double-clicking **AVL DiTEST DSS**.
2. If the update does not start automatically with the dialog "License update" (see step 3), click **Tools | System update | Vehicle data**.
3. This opens the "License update" dialog.  
You can update the license.  
You can prevent the license update with **F5 Skip**.  
(See "License" for details.)
4. The vehicle data currently installed will be displayed. Continue with **F8 Next**.
5. Select the source of vehicle data.  
Click **Locally installed versions** and **F8 Next**.
6. Check the box next to the vehicle data to be updated and click **F8 Next**.
7. A summary of the system update will be shown.  
You can print the system update with **F4 Print**.
8. Complete the system update by clicking **F8 Confirm**.

### 2.1.2.3.3 Device

**This function is not applicable/available in this VAS variant.**

Device firmware is automatically updated after an AVL DiTEST DSS software update. Please follow the AVL DSS Brief Instructions, AVL DiTEST identification number AT7260ML, for AVL DiTEST DSS software installation and updates. These can be found in the DVD sleeve.

If the device data are in the form of a self-extracting file (\*.exe) on a data carrier (CD, USB flash drive, etc.):

#### Installing device data:

1. Quit AVL DiTEST DSS if it has been started.
2. Insert the CD with the device data in the DVD drive or copy the device data to a USB flash drive and insert the flash drive into a free USB port.
3. Start **Windows Explorer**.  
Search for and double-click on device update file(s).
4. The available device data will be copied to the AVL DiTEST DSS system directory to enable direct access to this data during the update.
5. Quit **Windows Explorer**.

#### Updating vehicle data:

1. Start AVL DiTEST DSS by double-clicking on **AVL DiTEST DSS**.
2. If the update does not start automatically with the dialog "License update" (see step 3), click **Tools | System update | Device data**.
3. This opens the "License update" dialog.  
You can update the license.  
You can prevent a license update with **F5 Skip**.  
(See "License" for details.)  
Click **F8 Next**.
4. Connect all devices and switch the devices on.  
Wait until all devices are available and then confirm with **F8 Next**.

---

**NOTICE**

The devices must be connected to the power supply during the firmware update!

---

5. The necessary firmware updates will be determined and automatically installed.
6. A summary of the system update will be shown.  
You can print the system update with **F4 Print**.
7. Complete the system update by clicking **F8 Confirm**.

#### 2.1.2.3.4 Device Connections

**This function is not applicable/available in this VAS variant.**

You can select the type of connection (Bluetooth or USB) for the individual devices (AVL SMOKE, AVL GAS, AVL AUX and AVL OBD) with **Tools | Update system | Device connections**.

#### NOTICE

MDS stations come with the correct connection types already configured.

#### Bluetooth devices

If more than one Bluetooth device is found, click on the Bluetooth device used by your MDS station.

#### Devices (AVL OBD)

You can select the OBD module used in the list box.

#### Automatically identify COM port (AVL OBD)

If this item is enabled, the system will automatically look for the COM port used. "Automatically identify COM port" should be enabled if the connection type "USB" has been selected.

#### COM port (AVL OBD)

If "Automatically identify COM port" is disabled, you can select the COM port used from the "COM port" list box.

#### Bluetooth stack

This is where you can select the Bluetooth stack (Bluetooth driver) used. The default setting is "Autodetect".



Connection okay.



Devices have previously been connected to the software; however, the most recently connected devices cannot currently be accessed.



The device cannot be accessed.

#### F2 Bluetooth

"Bluetooth connection" is selected for all devices.

#### F3 USB

"USB connection" is selected for all devices.



Display information on the connection status if an intact connection could not be established.

#### 2.1.2.4 Backup

This backs up the data on your system.

Click on **Tools | Backup**.

Select the data to be backed up from:

- Settings
- Results / Customer data / Vehicle data
- All

**F8 Next**

The data backup commences.

**F5 Directory**

A window opens in which you can select the saving location. Continue with **Open**.

**F8 Next**

The location and the backup data will be displayed.

**F8 Next**

This data will be backed up.

**F8 Next**

Continue to the AVL DiTEST DSS window.

#### 2.1.2.5 Restore

This backed-up data can be restored.

Click on **Tools | Restore**.

**F5 Directory**

A window opens.

Select the file to be recovered and click **Open**.

The restored file is displayed.

Go to **F8 Next**.

Select the data that you want to restore and click **Next F8**.

The data and the source of the data for restoration are displayed.

Go to **F8 Next**.

Files will be restored. With **F8 Next** continue to the main window.

## 2.1.3 Customer Management

### 2.1.3.1 General

The customer management system consists of the:

- Customer area: for creating, editing, deleting and printing customer data (1)
- Vehicle area: for creating, editing, deleting and printing vehicle data (2)
- for linking and unlinking customer and vehicle data (3).

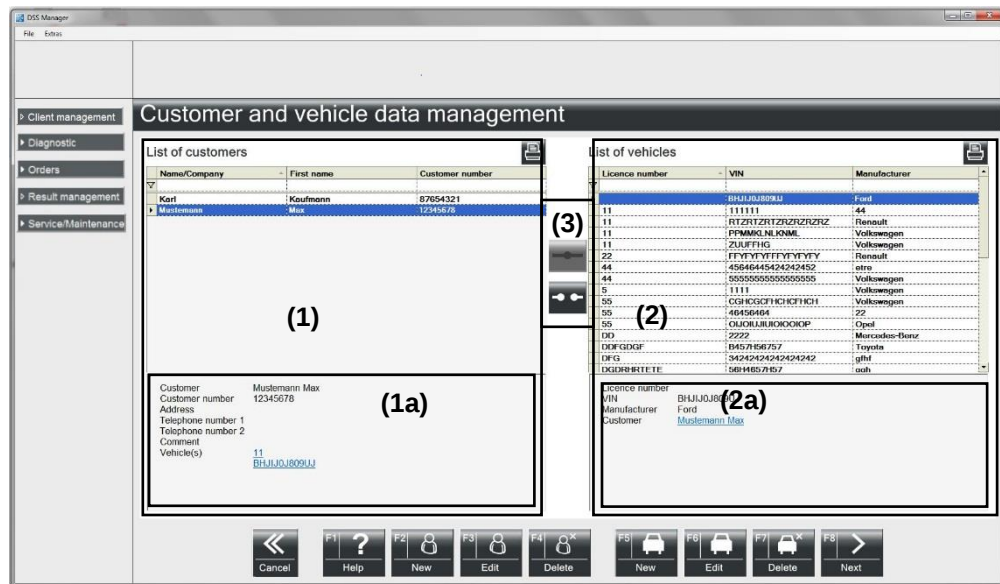


Abb. 2-7

### 2.1.3.2 Customer Area

**List of costumers:** If no filter is active, then all customer records will be displayed.

**Filter:** A filter can be applied by clicking on a cell in the first row and then clicking on the arrow.

**Sort:** The table can be sorted by pressing on the table header.

**Narrow down:** If you enter, for example, *\*Inc\**, then only entries containing "Inc" will appear in the corresponding column.

**Customer details:** If you select a row in the customer list, then the customer record will be displayed in the area (1a). If one or more vehicles are assigned to the customer, then the license number will be shown at the end of the customer record. Clicking on the license number displays the vehicle details in the Vehicle List area (2a).

#### F2 New

A field appears into which you can enter data to create a new customer record.

**<< Cancel**

The input will be discarded.

**F8 Save**

The input will be saved.

#### F3 Edit

If a record is selected, then it can be edited by pressing **F3**.

**<< Cancel**

The input will be discarded.

**F8 Save**

The input will be saved.

#### F4 Delete

If a record is selected, then it can be deleted by pressing **F4**.

#### Printer icon

If a record is selected, then it can be printed.

On safety grounds, the entire list cannot be printed.

**F1 Help**

Brings up a window providing further information about customer management.

**F1 Hilfe**

A window appears with more information for customer management.

### 2.1.3.3 Vehicle Area

**List of vehicles:** If no filter is active, then all vehicle records (vehicle list) will be displayed.

**Sort:** The table can be sorted by pressing on the table header.

**Narrow down:** If you enter, for example, \*1234\*, then only entries containing "1234" will appear in the corresponding column.

**Vehicle details:** If you select a row in the vehicle list, then the vehicle record will be displayed in the area (2a). If the vehicle is assigned to a customer, then the customer's name will be shown at the end of the detailed information. Clicking on the customer's name displays the customer record in the area (1a).

#### **F5 New**

A field appears into which you can enter data to create a new vehicle record.

**F2 Type select** can be used to identify the vehicle in a licensed vehicle database (HSN, TSN, manufacturer, model, engine code...).

**<< Cancel** The input will be discarded.

**F8 Save** The input will be saved.

#### **F6 Edit**

If a record is selected, then it can be edited by pressing **F6**.

**<< Cancel** The input will be discarded.

**F8 Save** The input will be saved.

#### **F7 Delete**

If a record is selected, then it can be deleted by pressing **F7**.

#### **Printer icon**

If a record is selected, then it can be printed.

On safety grounds, the entire list cannot be printed.

#### **F1 Help**

Brings up a window providing further information about customer management.

### 2.1.3.4 Customer/Vehicle Assignment

One or more vehicles can be assigned to a customer.



If a customer and a vehicle are selected, then the records will be linked (customer data assigned the vehicle data).



This unlinks records.

#### **F1 Help**

Brings up a window providing further information about customer management.

## 2.1.4 Diagnostic

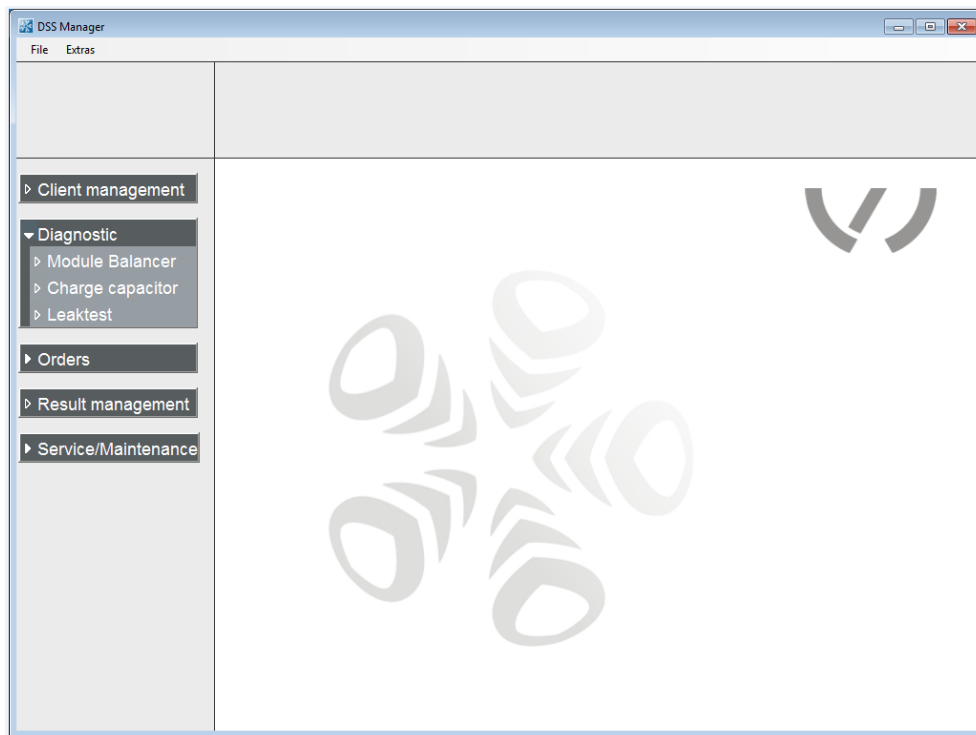


Fig. 2-8

Observe Operating instructions VAS 6910, VAS 6911 and VAS 6558A/13A.

## 2.1.5 Jobs

**This function is not applicable/available in this VAS variant.**

In the Jobs area you will find the job services available on your device (asanetwork).

### 2.1.5.1 Asanetwork

To be able to operate AVL DiTEST DSS in a network, you need:

- AWN-compatible commercial software.
- An active network manager.
- The corresponding network installation (cabling, connection sockets, wireless LAN).

---

#### Information

With asanetwork functionality enabled, all AU measurements performed without asanetwork job will be stored under *“Send results”*.

For more options, see Chapter 2.1.2.1.2 „asanetwork“.

---

---

#### Information

Observe the documentation of:

- Your asanetwork program
  - Your commercial software
- 

#### 2.1.5.1.1 Taking jobs from asanetwork

Click on **Orders | asanetwork | Select order**.

Select the desired job by clicking on it.

**Display only AU jobs:**

If this item is enabled, then only AU jobs will be displayed.

**F4 Refresh**

Refreshes the display of jobs.

Refreshing the display in the main application window of AU jobs may take a few seconds, depending on the network speed.

**F5 Release**

If there are problems with the asanetwork, jobs can “hang”.

That is, they are marked as if being processed by the AVL DiTEST DSS (when this is not the case). Such jobs can be released by pressing **F5**.

**F8 Next**

Accepts the selected Job.

After performing the AU, the AVL DiTEST DSS automatically sends the AU results log back to the **asanetwork**.

#### 2.1.5.1.2 Send result to asanetwork

All AU results can be sent to asanetwork.

Click on **Orders | asanetwork | Send results**.

A list may appear containing obsolete results.

You can either delete these obsolete results with **F5 Yes** or keep them with **F8 No**.

All unsent jobs will be displayed; select the job in question.



Individual jobs can be selected by checking a box.

**F2 Choose**

Selects all jobs.

**F3 Discard**

Discards the selected jobs.

**F5 Delete**

Deletes the selected jobs.

**F6 Send**

Sends the selected jobs to asanetwork.

**F8 Next**

Closes the function *"Send Results to asanetwork"*.

## 2.1.6 Results Management

You can view all logs according to the date of performance.

Click on **Results Management**.

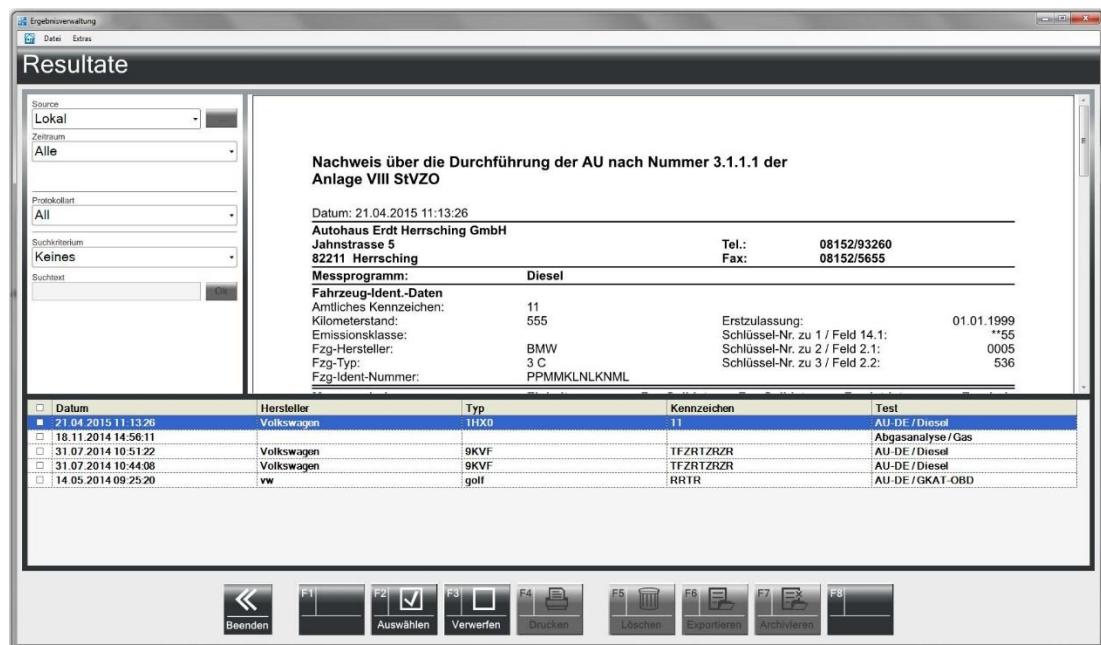


Fig. 2-9

- Source:** Select Local / Network / Saved Results.
- Period:** Select Day, Week, Month, Year or All.  
You can flip forwards and backwards using the arrows.
- Report type:** Select Proof / Diagnosis Logs etc.
- Search criteria:** Choose between "None", "Manufacturer" or "License number".  
In the Search text field, you can narrow the selection down further.

Return to Results Management with **Quit**.

- ☒ Individual logs can be selected by checking a box.
- F2 Choose** Selects all logs.
- F3 Discard** Discards the log selection.
- F4 Print** Prints the selected logs.
- F5 Delete** Deletes the selected logs.
- F6 Export** Exports the selected logs.
- F5 Directory** Opens a window to choose the save location.  
Choose a location and then click **OK**.
- F8 Next** Starts the export.
- F7 Archive** Archives the selected logs.  
The archived logs will be deleted from the internal database.
- F5 Directory** Opens a window to choose the save location.  
Choose a location and then click **OK**.
- F8 Next** Starts the archiving.
- << Cancel** Quits the results display.

#### **2.1.6.1 File**

Please refer to chap. 3.1.1 „*File*“. Only the functions relevant to "*Results management*" will appear.

#### **2.1.6.2 Extras**

Please refer to chap 2.1.2 "*Extras*". Only the functions relevant to "*Results management*" will appear.

## 2.1.7 Service/Maintenance

This chapter gives tips for an initial on-site diagnosis of the AVL DiTEST DSS station. Preparation for calibration and linearity testing can be performed by the end customer as well as by the qualified service company.

### **AVL SMOKE:**

**This function is not applicable/available in this variant of VAS!**

- Service screen (parameters for self-diagnostics)

### **AVL GAS:**

**This function is not applicable/available in this variant of VAS!**

- Service screen (parameters for self-diagnostics)

### **AVL AUX:**

**This function is not applicable/available in this variant of VAS!**

- Service screen (parameters for self-diagnostics)

### **AVL OBD:**

**This function is not applicable/available in this variant of VAS!**

- Service screen (parameters for self-diagnostics)

### **AVL HV Safety:**

- Service screen (parameters for self-diagnostics)

---

#### **Information**

Weitere Informationen zu den AVL DiTEST MDS Hardwarekomponenten entnehmen Sie dem jeweiligen Gerätehandbuch.

---

### **System Info:**

- Parameters for self-diagnosis, only without connected devices
- The current versions of programs are displayed (VAS 6910, VSAS 6911 und VAS 6558A/13A)

### **License Information:**

**This function is not applicable/available in this VAS variant.**

- Display the licenses present on the dongle

### 2.1.7.1 Service Screen AVL SMOKE

This function is not applicable/available in this VAS variant.

The service screen AVL SMOKE shows:

- Device identification
- Measurements
- Status
- Information on the turbidity measurement chamber

Click on **Service/Maintenance | AVL SMOKE | Service Screen**.

The message *“Initializing the diesel measurement chamber”* appears shortly.

A service screen with parameters for self-diagnostics is shown.



Fig. 2-10 Example Servicescreen AVL DiSmoke 480

- (1) This field displays the connection and device status as well as various version numbers and serial numbers.
- (2) Here you can perform various functional checks
  - Valve position: Calibration, measurement
  - Lamp status: lamp A and B ON, lamps OFF, lamp A ON, and lamp B ON
  - Fan status: Automatic, ON
  - Heater status: Automatic, ON
  - Linearity test: The linearity error is measured and then shown.  
Description of automatic procedure:
    1. A lamp is measured.
    2. Lamp B is measured.
    3. A plus lamp bulb B is measured.
    4. Comparison of point 3 with the sum of point 1 and point 2.
  - Initialization: AVL SMOKE will be re-initialized.
- (3) This field displays the device-internal measurements.

#### **F4 Report**

Displays a log. This can also be subsequently printed out.

### 2.1.7.2 Service Screen AVL GAS

This function is not applicable/available in this VAS variant.

A service screen with parameters for self-diagnostics is shown.



Fig. 2-11 Example AVL Gas 1000

- (1) This field displays the connection and device status as well as various version numbers and serial numbers.
- (2) This field displays the status of the AVL DiTEST Gas 1000 (e.g.: stabilization necessary, leak test necessary...)
- (3) Here you can perform the functions: initialize (stabilization and HC residue test will be performed), gas measurement, leak test, condensation pump (on/off), gas pump (on/off) and valve (gas/fresh air).
- (4) When gas measurement is active, the measured values will be displayed in this field.

**F4 Report** Displays a log. This can also be subsequently printed out.

**F5 O2 sensor** Initializes the O<sub>2</sub> sensor.

**F6 Calibration** Test gas adjustment: The test gas adjustment is password-protected. Refer to AVL DiTEST Service if necessary.

**F8 Next** Swaps to further status displays.

**Status displays:**

Fig. 2-12 Example AVL Gas 1000

**F7 Back**

One step back.

**F8 Next**

Swaps to further status displays.

### 2.1.7.3 Service Screen AVL AUX

This function is not applicable/available in this VAS variant.

The AVL AUX service screen displays:

- Connection and device status
- Measurements
- Speed measurement configuration

Click on **Service/Maintenance | AVL AUX | Service Screen**.

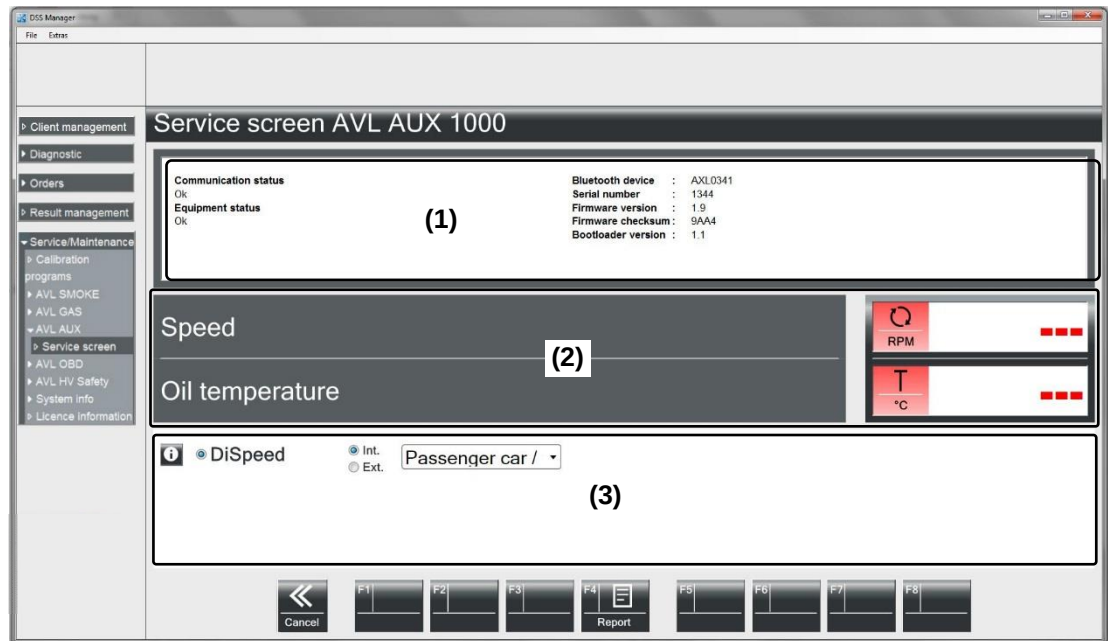


Fig. 2-13 Example AVL AUX 1000

- (1)
- (2) This field displays the speed and oil temperature.
- (3) Switch between DiSpeed "Internal/External".  
DiSpeed "internal" selection: „truck“, "car", "2/4-stroke motorcycle".

**F4 Report** Shows a print preview of the service screen.

#### 2.1.7.4 Service Screen AVL OBD

This function is not applicable/available in this VAS variant.

The AVL OBD service screen displays the connection status of the scan tool used.  
Click on **Service/Maintenance** | **AVL OBD** | **Service Screen**.

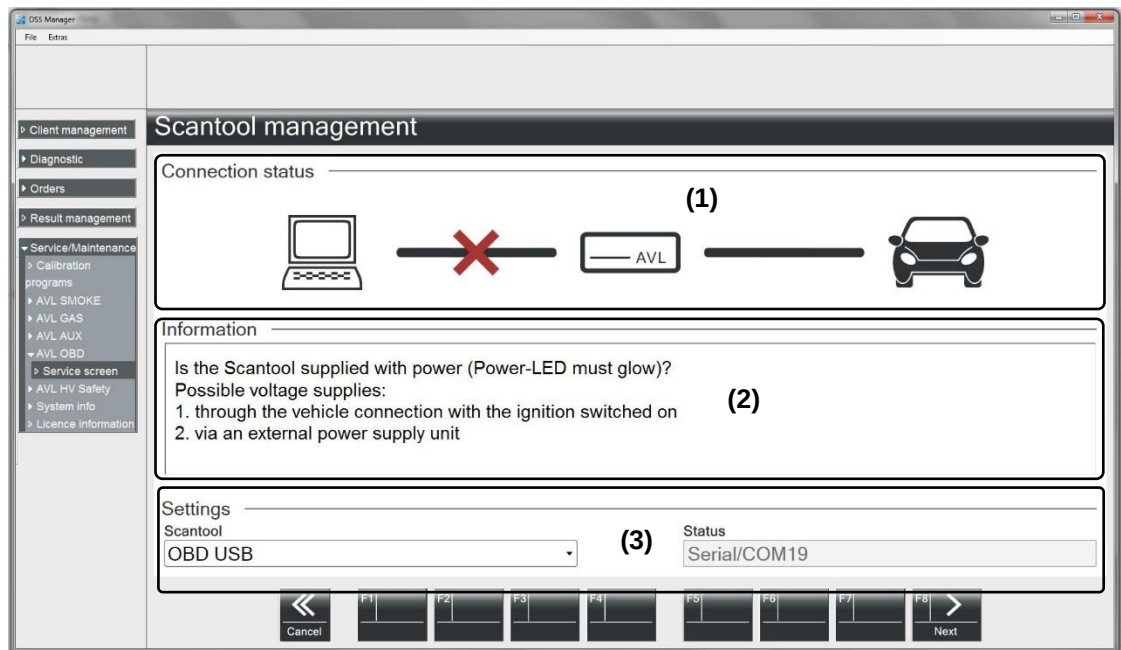


Fig. 2-14 Example AVL OBD

In the case of error, the following appear:

- (1) Connection status: PC ⇔ Scantool ⇔ Vehicle
- (2) Notes on the connection status
- (3) Scan tool used, Status of the scan tool used

**F8 Next** Quits the function.

### 2.1.7.5 Service Screen AVL HV Safety

The AVL HV Safety service screen displays:

- Communication status
- Device status
- Firmware version
- Firmware checksum
- Boot loader version
- Serial number
- COM port used

Click on **Service/Maintenance** | **AVL HV Safety** | **Service screen**.

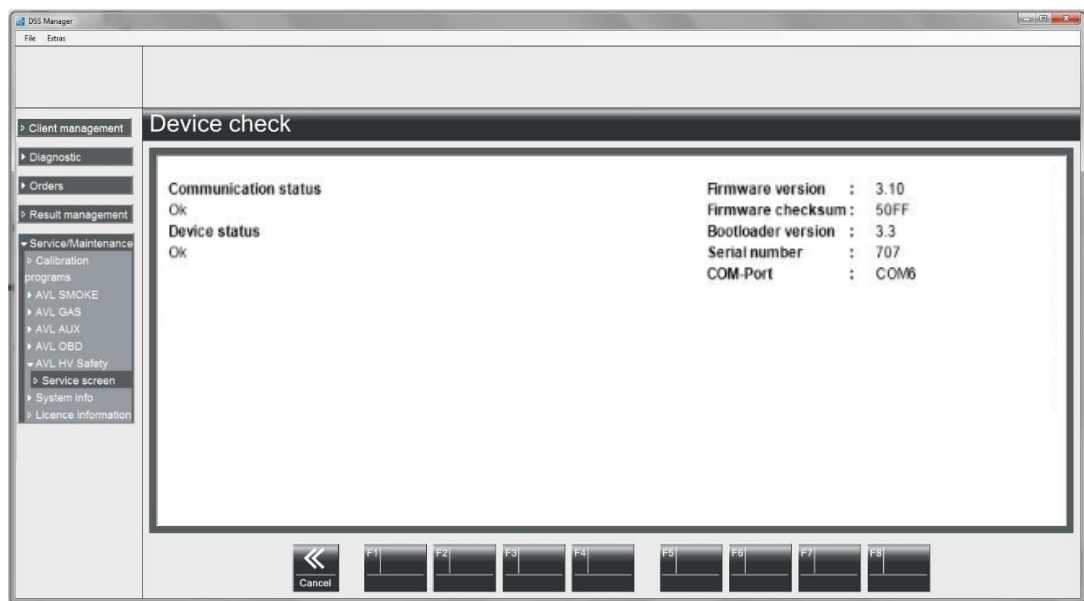


Abb. 2-15 Example AVL DiTEST HV Safety 1000

**F4 Log** Displays a print preview of the service screen.

**F5 Self-test** Launches an AVL HV Safety self-test.

### 2.1.7.6 System Info

This shows:

- Product information
  - Installed programs
  - Program versions
  - Program versions of the connected components
- Settings
  - Input values that have been entered under “Tools”, “Settings”.

Click on **Service/Maintenance | System Info | with devices** or **without devices**.

The AVL DiTEST DSS system information will be displayed.

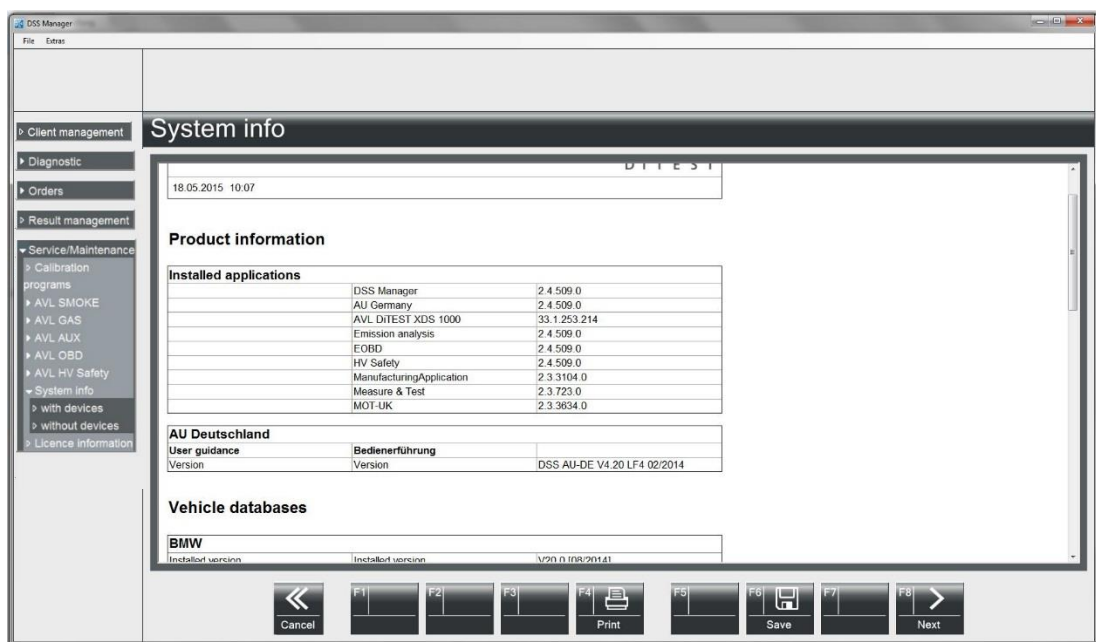


Fig. 2-16 Example

**F4 Print** Prints a log of the system information.

**F8 Next** Quits this function.

### 2.1.7.7 License Information

This function is not applicable/available in this VAS variant.

The license information present on the dongle is displayed.

Click on **Service/Maintenance | License information**.

The license information present on the dongle will be displayed.

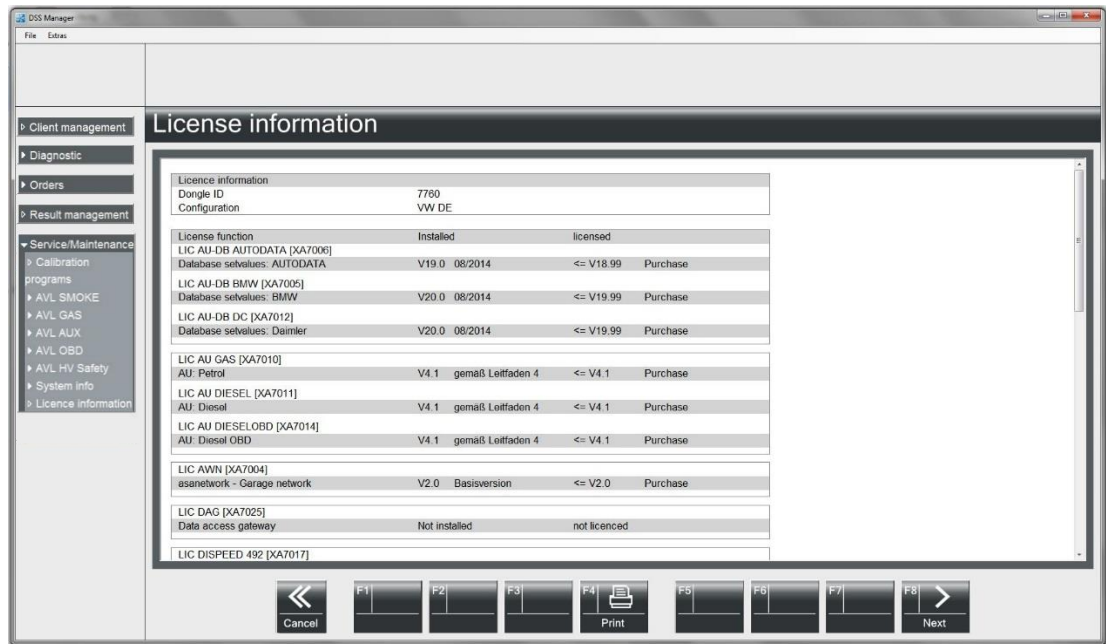


Fig. 2-17 Example

**F4 Print** Prints a log of the license information.

**F8 Next** Quits this function.

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# VOLKSWAGEN AG

We have checked the contents of the documentation to ensure they correspond to the status described. Nevertheless deviations cannot be entirely excluded and we cannot therefore guarantee complete agreement. The information in this documentation is however regularly reviewed and any corrections necessary will be incorporated in the next edition. We will be grateful to receive suggestions for improvement.

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