



XENTRY Diagnosis Kit 4

Operation manual

Mercedes-Benz AG, GCSP/ORE

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Mercedes-Benz



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3 Glossary

Add-ons

- Add-ons are automatically loaded on your XENTRY Diagnosis Pad, and update your system. The prerequisite is that XENTRY Diagnosis Pad is connected to the Internet.
- Please note that all add-ons should always be installed on XENTRY Diagnosis Pad

AQT

- Automatic quick test

ConfigAssist

- Provides step-by-step help in setting up the diagnostic system, from connecting the cables through setting up the network to importing the StartKey. Is launched automatically during commissioning, and can be launched again, if required

Control unit commissioning

- Control unit commissioning refers to the control unit programming of a vehicle using XENTRY Diagnosis software

Diagnosis software updates

- Diagnosis software updates are controlled through the Update Center. These are made as an online update using Retail Data Storage or, as an exception, without Retail Data Storage

DiBA

- Digital Operator's Manuals are required for control unit commissioning. When using Retail Data Storage, you can check the availability of DiBAs through XENTRY Update Service Control Center.

Firmware update

- Occasionally, the XENTRY Diagnosis VCI firmware has to be updated after a diagnosis software update.

OBD

- On Board Diagnosis

Pairing

- A 1:1 connection is established per WLAN between VCI and the XENTRY Diagnosis Pad. This process is known as "pairing".

PDF Center

- PDF printer for user-friendly creation of PDF documents

Retail Data Storage

- Network storage for buffering diagnosis updates in XENTRY Update Service

StartKey

- Use of diagnosis applications is not possible without the StartKey. It defines your rights of use. It can be ordered when you order the XENTRY Diagnosis Kit*.

Support Tool

- Tool with information for support case and for creation of support packages

Update Center

- The Update Center is used for installing new software updates, switching between releases (release management), add-on installation and administration

VCI Manager

- VCI Manager enables XENTRY Diagnosis Pad & XENTRY Diagnosis VCI to be paired

XENTRY Diagnosis Kit

- Product bundle: XENTRY Diagnosis Pad & XENTRY Diagnosis VCI

XENTRY Diagnosis Pad

- A workshop-compatible PC on which the XENTRY diagnosis software is installed

XENTRY Diagnosis VCI

- The multiplexer or Vehicle Communication Interface (VCI) that forms the interface from the vehicle to the XENTRY Diagnosis Pad and "translates" data from the vehicle so that it can be used by the software

XENTRY Update Service

- XENTRY Update Service is the option of loading updates onto the XENTRY Diagnosis Pad over the Internet.

XENTRY WIS

- XENTRY Workshop Information System contains detailed information and work instructions for repair and maintenance work on the Mercedes-Benz, Maybach and smart brands

XOT

- XENTRY Operation Time: Operation & standard texts, flat rates and work units
- The data determined with XOT form the basis for creation of precise estimates, work orders, invoices and warranty claims

4 New features in XENTRY Diagnosis Kit 4

Familiar operating concept

As with XENTRY Diagnosis Kit 3, the new diagnosis device concept consists of the diagnosis computer and a multiplexer: XENTRY Diagnosis Pad 2 and XENTRY Diagnosis VCI.

Major optimizations in XENTRY Diagnosis Kit 4:

- New XENTRY Diagnosis Pad 2
- New WiFi connection between XENTRY Diagnosis Pad 2 and VCI.
- The XENTRY Diagnosis Pad 2 now comes with an improved, capacitive multitouch display that enables you to work in a bright environment with an even sharper image.
- Interchangeable rechargeable battery in XENTRY Diagnosis Pad 2

Easy IT integration

- **Familiar connection variant:** The connection between the XENTRY Diagnosis Pad 2 and VCI is made as usual, independent of the given IT infrastructure at the workshop. New: XENTRY Diagnosis Pad 2 now comes with a second WLAN card installed in it, that sets up the connection between XENTRY Diagnosis Pad 2 and the VCI.
- **WLAN integration:** XENTRY Diagnosis Pad 2 is directly integrated into the workshop network as was the case with the XENTRY Diagnosis Pad. During initial commissioning, you are taken through the configuration procedure with ConfigAssist.

Online update

The XENTRY Update Service is standard procedure with us for ensuring that your XENTRY Diagnosis Kit 4 is always provided with the release updates, Regio-DVDs and Digital Operator's Manuals.

- Depending on the given configuration, diagnosis updates are downloaded overnight over the Internet onto Retail Data Storage, and distributed from there over the workshop network to XENTRY Diagnosis Pad | Pad 2.
- "Zero-time update" ensures that diagnosis software updates are transferred to the XENTRY Diagnosis Pad | Pad 2 in the background. During this time, you can continue to work as usual. As soon as the process is completed, you will be notified that you can now install the new software update. Generally, the installation lasts no more than roughly 5 minutes, after this you can then continue to work, as usual, with your XENTRY Diagnosis Pad | Pad 2.
- The Update Center also offers you an option to change quickly between the latest release update and the preceding update.
- Along with the diagnosis software updates, the control unit software and Digital Operator's Manuals are supplied through Retail Data Storage on demand for the XENTRY Diagnosis Pad | Pad 2.

Adapter cable concept

As previously known, adapter cables that can be connected to the OBD cable are available to you as an option for special application cases.



These are no longer included in the standard scope of supply for XENTRY Diagnosis Kit 4. You can however use the XENTRY Diagnosis Kit 3 adapter cables, they do not have to be returned when the contractual period expires.

Schematic layout for network integration

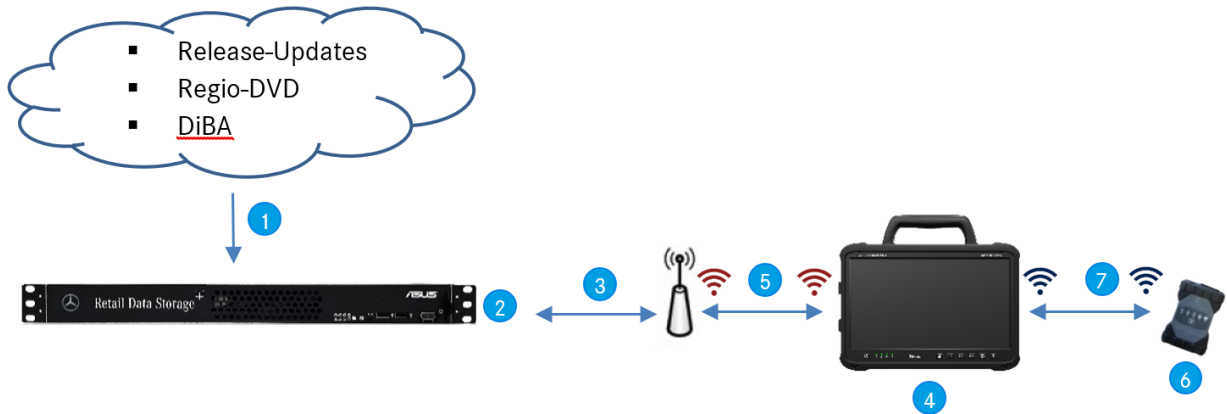


Fig. 1: Schematic layout for network integration

- ① Release updates, Regio-DVD and Digital Operator's Manuals are always kept up-to-date online.
- ② Depending on the given configuration, the data are downloaded overnight.
- ③ Retail Data Storage is integrated into the workshop network so that it is located in the same network as your XENTRY Diagnosis Kit 4.
- ④ XENTRY Diagnosis Pad | Pad 2 is integrated into your workshop infrastructure (necessary for online services)
- ⑤ The connection between XENTRY Diagnosis Pad 2 and the workshop network can be made via LAN or WLAN.
- ⑥ XENTRY Diagnosis VCI (multiplexer) in compact and sturdy design without PC core, without rechargeable battery, without fan, without display
- ⑦ You can connect your XENTRY Diagnosis Pad 2 using a WiFi connection or per USB connection cable to the VCI.

5 Delivery package of XENTRY Diagnosis Kit 4

The delivery package of your XENTRY Diagnosis Kit 4 includes the following:

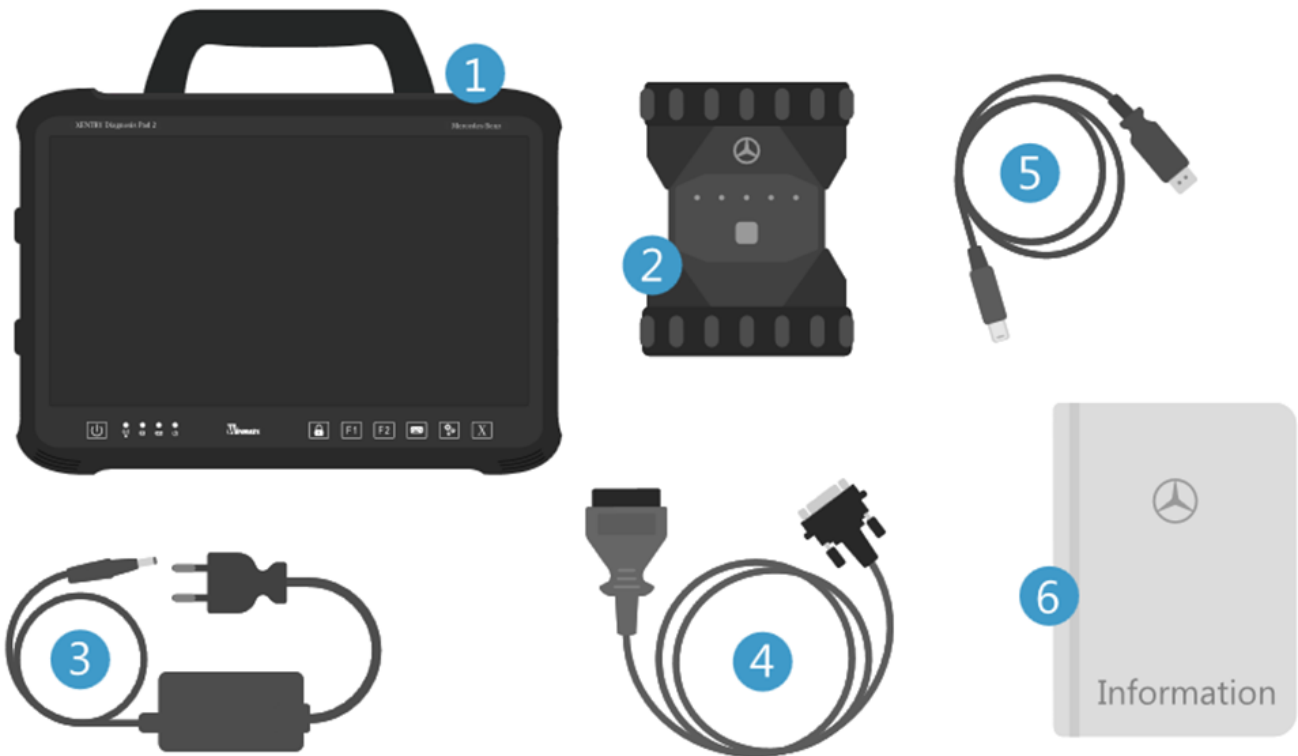


Fig. 2: Delivery package of XENTRY Diagnosis Kit4

- ① XENTRY Diagnosis Pad 2
- ② XENTRY Diagnosis VCI
- ③ Power supply unit incl. power supply plug
- ④ OBD cable (16-pin)
- ⑤ USB connection cable (5 m)
- ⑥ User information and safety notes
Optional: XENTRY Scope Measurement Technology

6 Commissioning and configuration

6.1 ConfigAssist

XENTRY Diagnosis Kit 4 must be configured for initial commissioning. ConfigAssist is automatically launched for this purpose when XENTRY Diagnosis Pad 2 is switched on for the first time.



Fig. 3: ConfigAssist

Alternatively, you can also open ConfigAssist directly via the following path:

1. Desktop
2. Diagnosis Toolbox
3. ConfigAssist

Navigate through ConfigAssist using the "Continue" button.

The XENTRY Diagnosis Pad 2 has two freely assignable function keys: F1 and F2. You can assign the following functions to the keys:

- XENTRY Diagnosis AQT
- XENTRY CAN Tool
- XENTRY Scope
- XENTRY Scope NVH
- Diagnosis Stop
- ConfigAssist
- VCI Manager
- Support Tool
- PDF Center
- XENTRY Portal
- Hot Topics

Then click on "Apply and continue".

After receiving further information about your XENTRY Diagnosis Kit 4, you can then integrate XENTRY Diagnosis Pad 2 into your network.

6.2 Configure network

6.2.1 WLAN

- ➔ Select your desired WLAN in the field "Available networks".

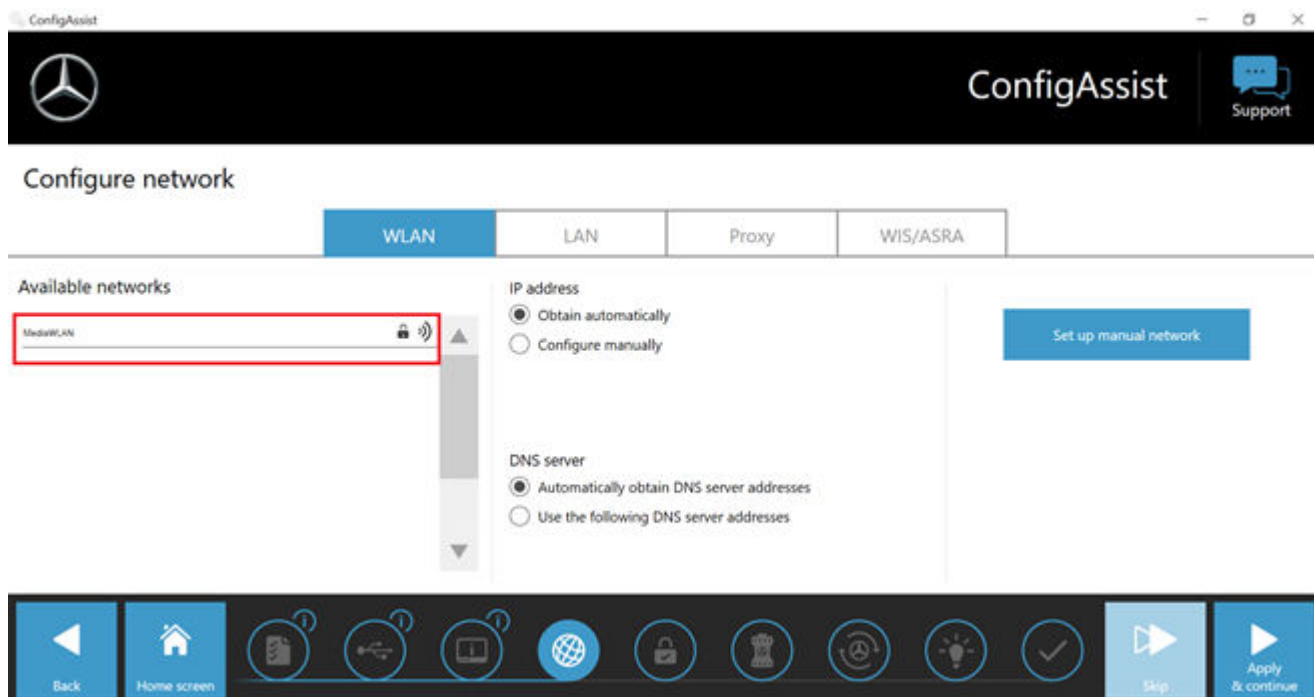


Fig. 4: Configure WLAN network

- Now enter your security key in the window that appears, and then click on "Connect".

In the "Available networks" list, the "Connected" notice appears next to the network you selected.

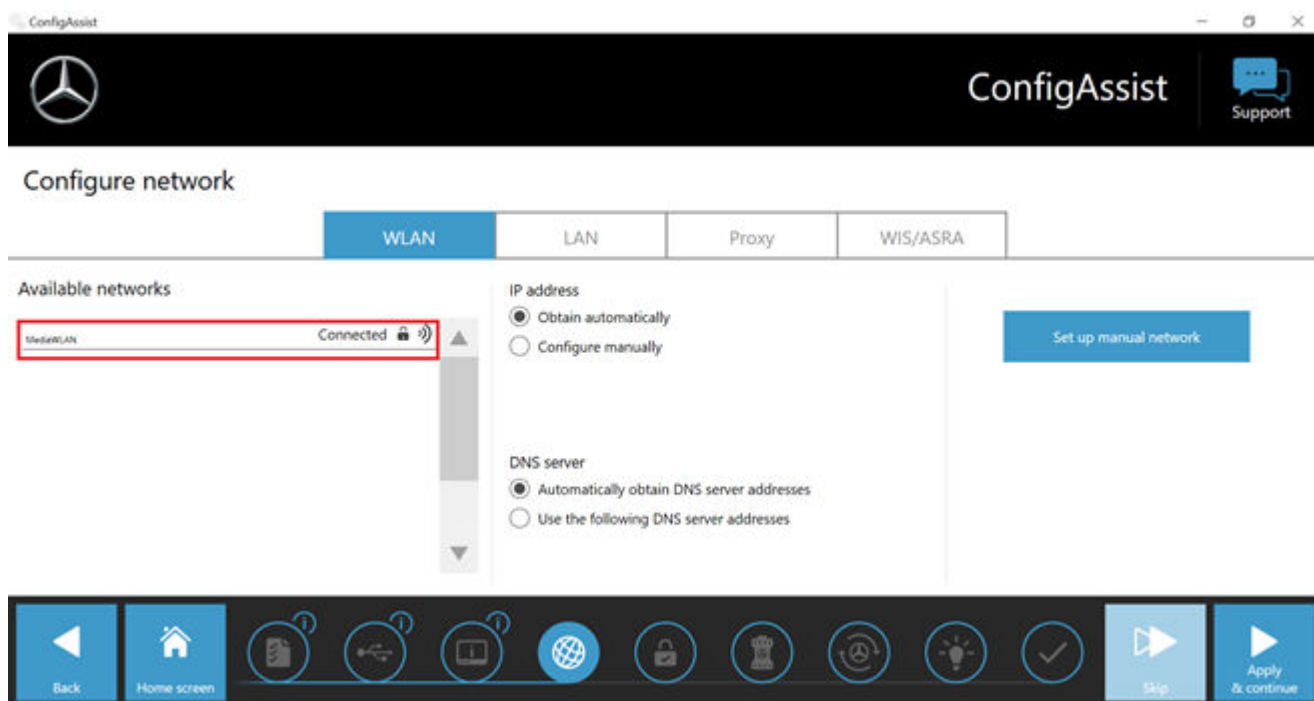


Fig. 5: WLAN connected

Here, you also have the option of manually configuring the IP address and selecting a different DNS server.

Alternatively, you can also configure the network manually.

- Click on the "Manual network setup" button to do so

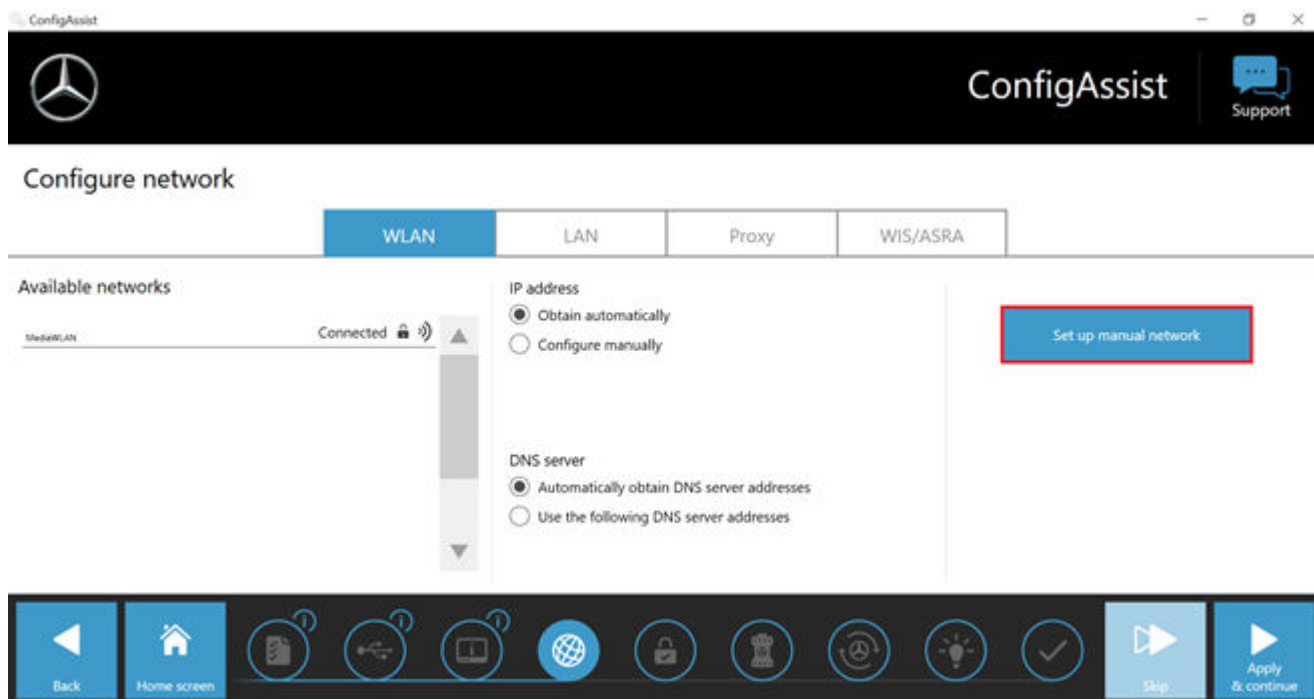


Fig. 6: Set up manual network

- Enter the corresponding data here:

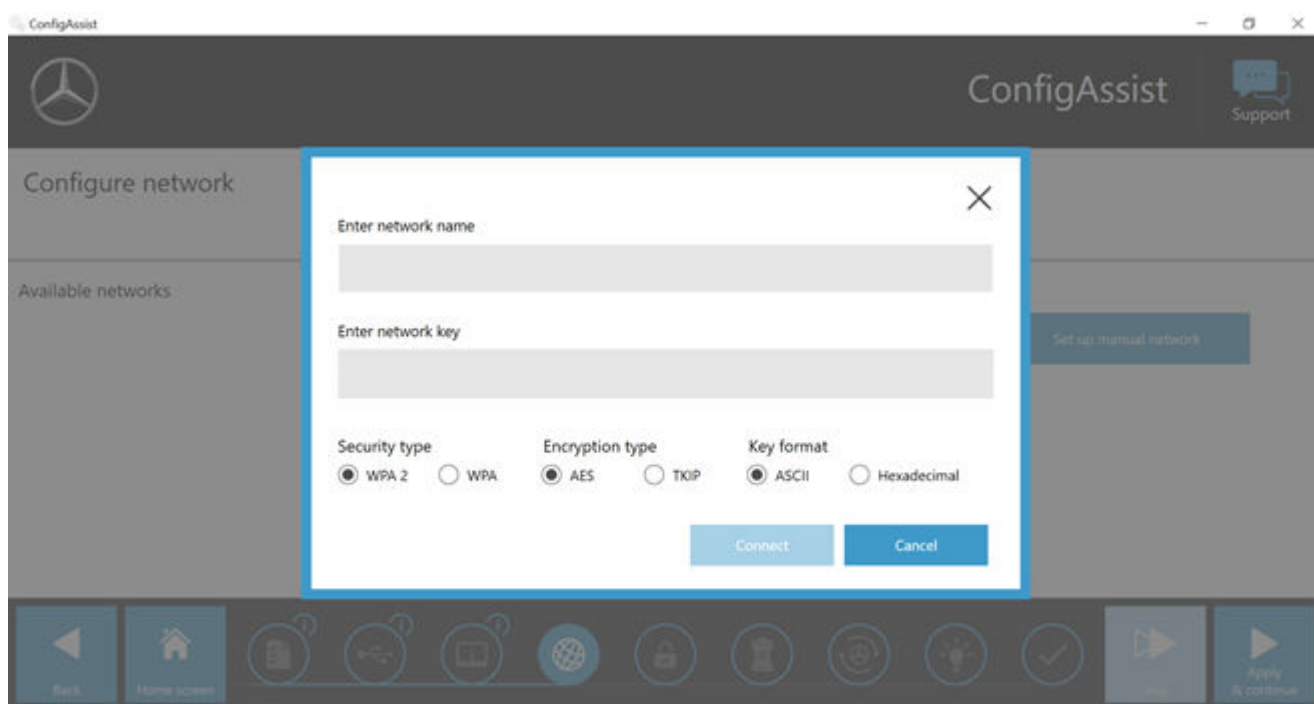


Fig. 7: Enter data manually

- Click on "Apply and continue".

6.2.2 LAN

Alongside the settings for the WLAN, you can also make settings for use of the LAN. You can obtain the IP address automatically or configure it manually, and configure the DNS server.

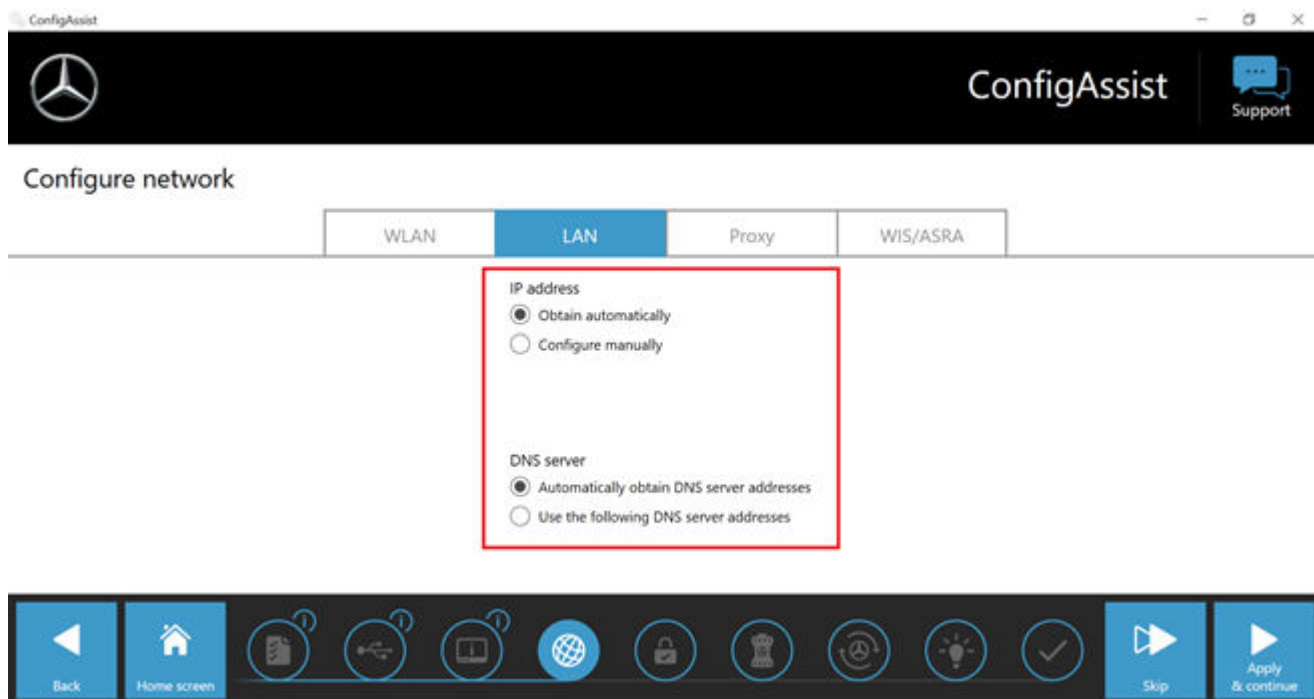


Fig. 8: Configure LAN network

Click on "Apply and continue".

6.2.3 Proxy

In the Proxy area, you can make various settings for the proxy server.

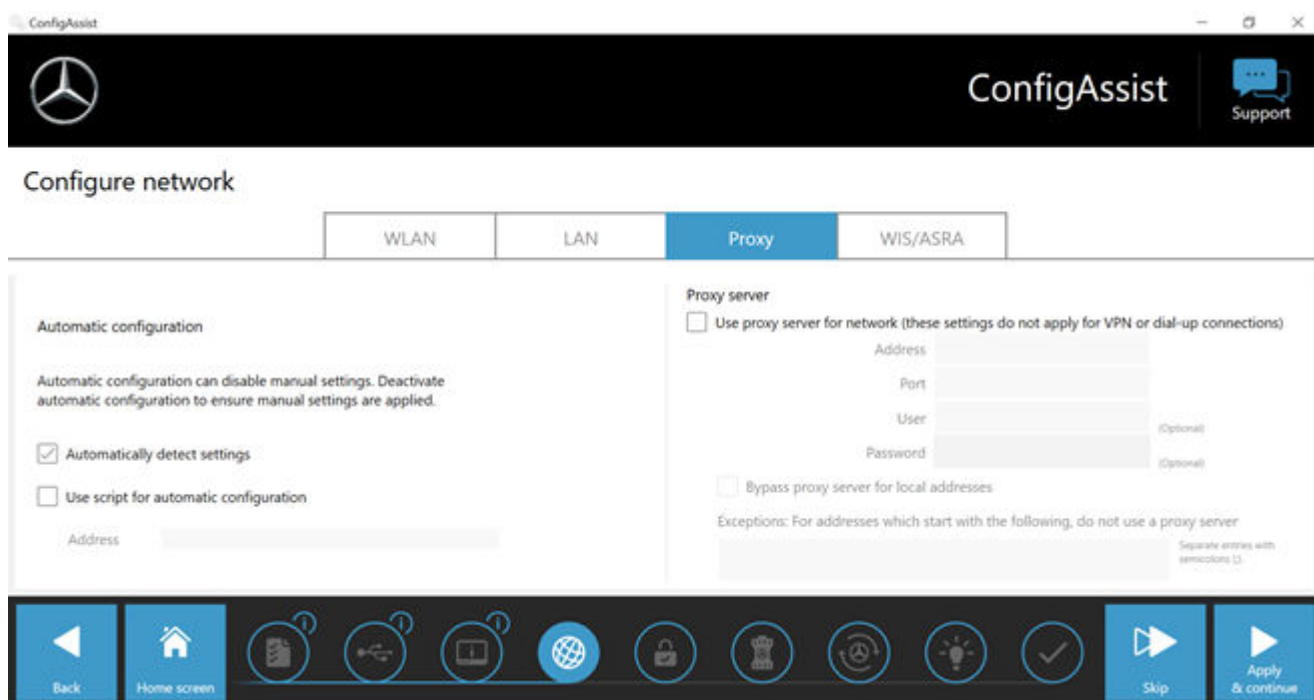


Fig. 9: Proxy settings

You can have the system automatically identify the settings for the proxy server or use a script for automatic configuration. You can also make further settings for the proxy server here.

- Click on "Apply and continue".

6.3 XENTRY Diagnosis VCI pairing

Connect the XENTRY Diagnosis VCI through the USB connection cable to the XENTRY Diagnosis Pad, wait for the acoustic signal of the XENTRY Diagnosis Pad and then click on "Pair VCI".

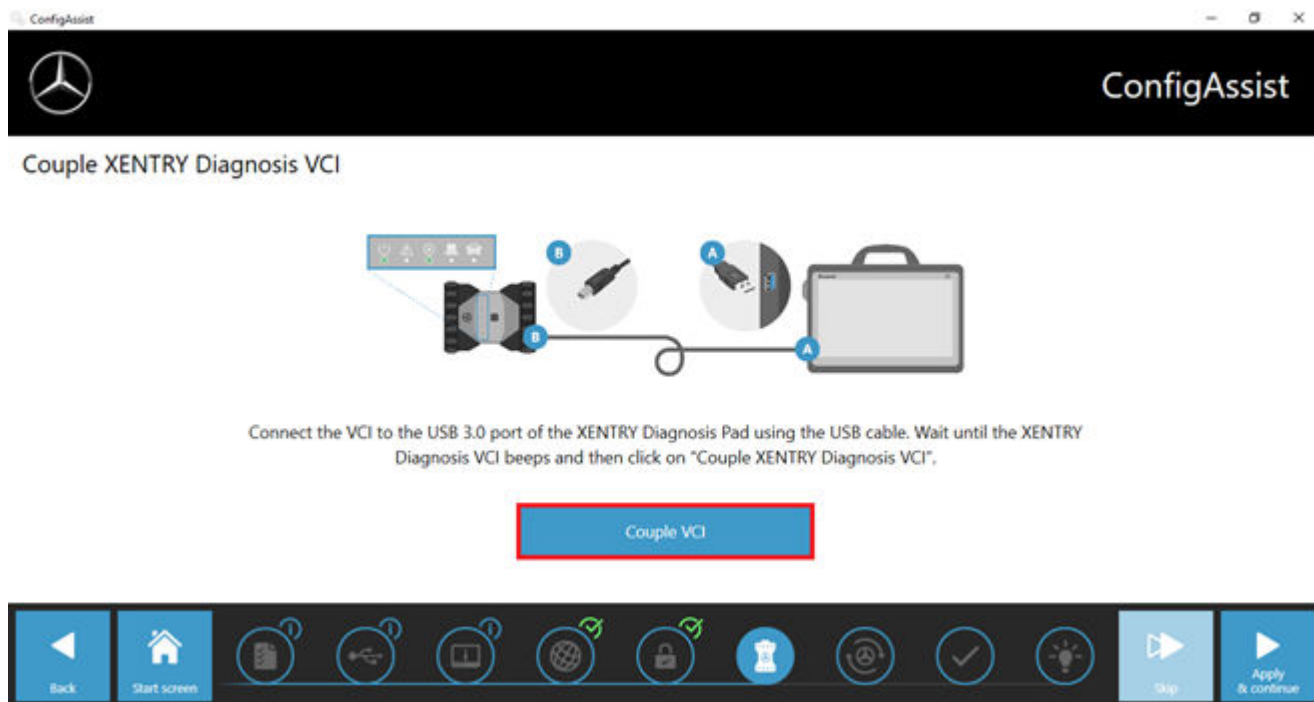


Fig. 10: XENTRY Diagnosis VCI pairing successful



Please note that only one VCI can be paired with the XENTRY Diagnosis Pad at any given time. When pairing another VCI, the VCI manager will indicate that the current VCI configuration will be overwritten.

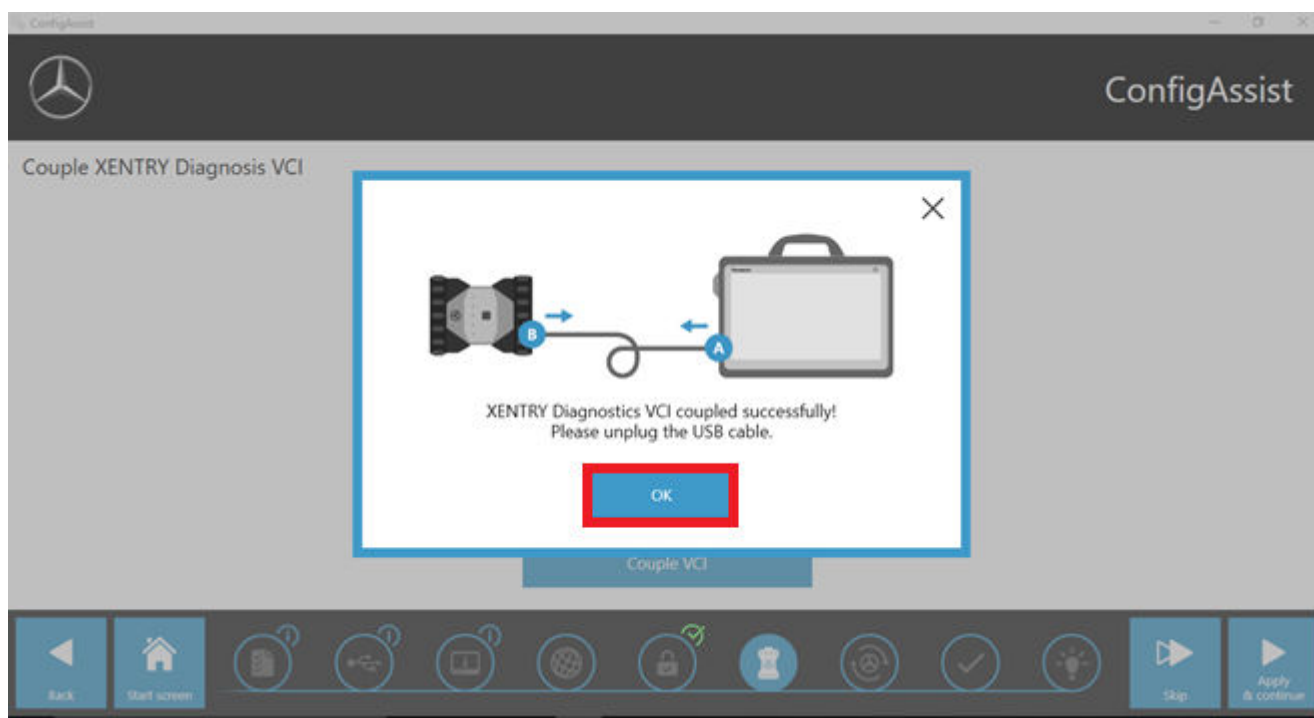


Fig. 11: Pairing with XENTRY Diagnosis VCI

On the following screen, please click on "Apply & Continue".

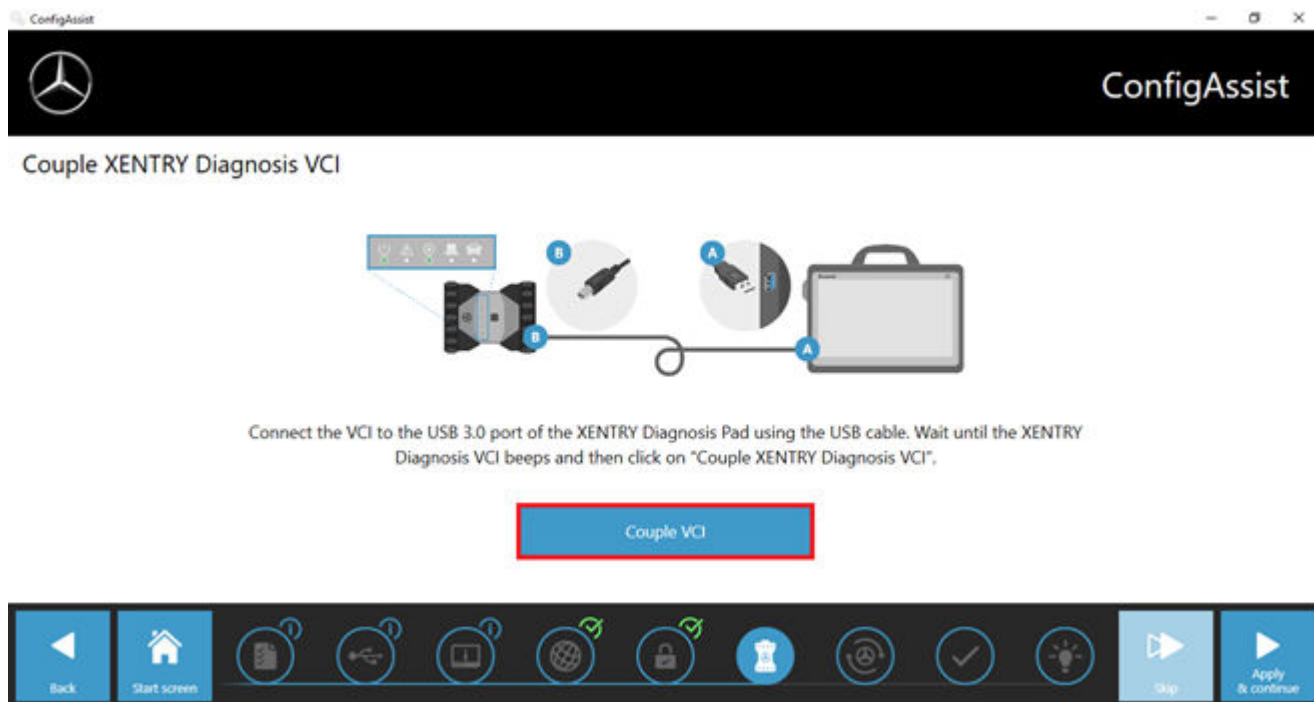


Fig. 12: Completion of pairing to XENTRY Diagnosis VCI

6.4 Configuring the XENTRY Update Service

In this section you can configure the XENTRY Update Service. The XENTRY Update Service defines how the diagnostic data (Release Updates, Regio-DVD, and Digital Operator's Manuals) should be downloaded to your XENTRY Diagnosis Kit 4.

There are two ways to configure the XENTRY Update Service:

- **Variant 1: XENTRY Update Service with Retail Data Storage**
The diagnostic data (release updates, Regio-DVDs and Digital Operator's Manuals) are downloaded from the Internet onto the Retail Data Storage first, and then onto the XENTRY Diagnosis system.
- **Variant 2: XENTRY Update Service without Retail Data Storage**
The diagnostic data (release updates, Regio-DVDs and Digital Operator's Manuals) are downloaded directly from the Internet onto the XENTRY Diagnosis system.



Please note the following: Retail Data Storage belongs to the retail standards.

6.4.1 XENTRY Update Service with Retail Data Storage

If your workshop has Retail Data Storage, then you can obtain diagnosis updates, Regio-DVDs and Digital Operator's Manuals (DiBA) online through the XENTRY Update Service on the Internet.

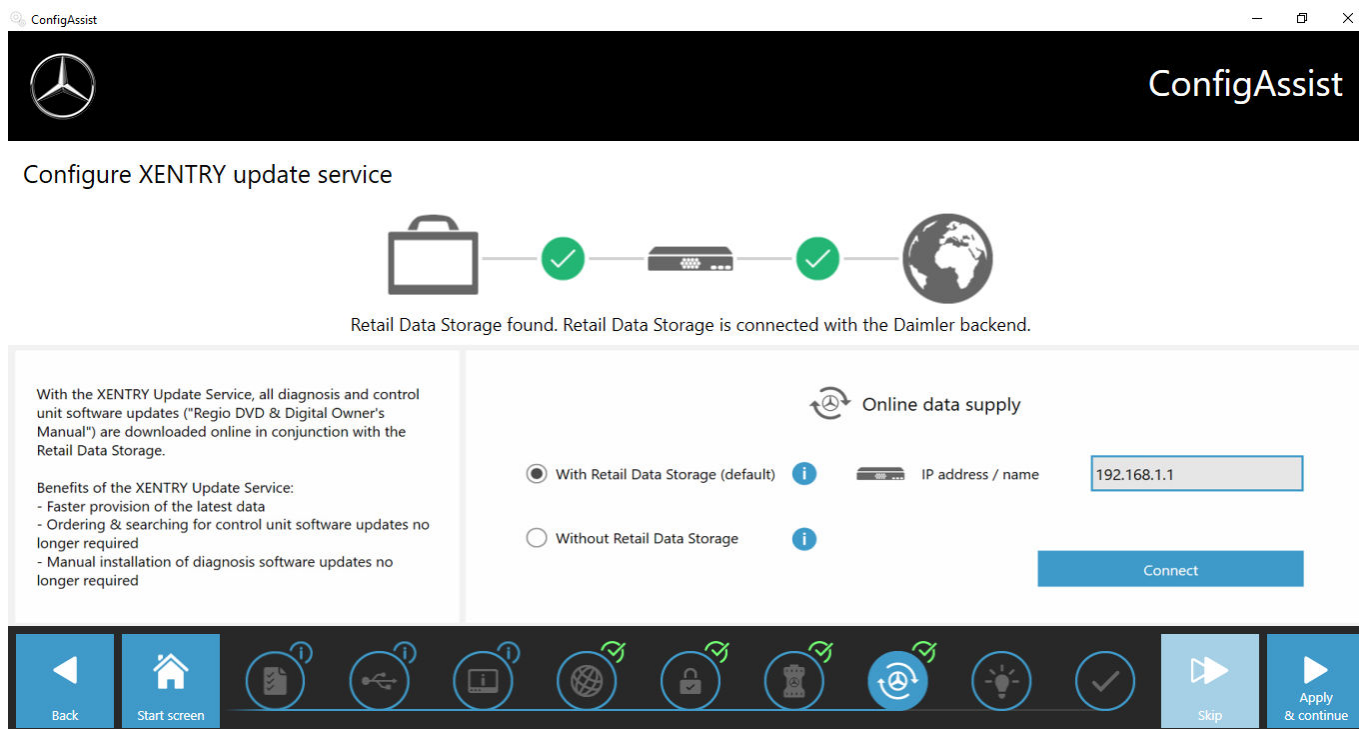


Fig. 13: XENTRY Update Service with Retail Data Storage

To establish a connection to Retail Data Storage, proceed as follows:

1. In ConfigAssist, in the section "Configure XENTRY Update Service", select **"With Retail Data Storage (Standard)"**
2. Enter the IP address you have defined for Retail Data Storage into the "IP address / Name" field.
3. Then click on the "Test connection" button
 - ➡ A correct connection is denoted by a green check mark.
4. Now select the point "Apply & Continue".

6.4.2 XENTRY Update Service without Retail Data Storage

If your workshop does not have Retail Data Storage, you can download diagnosis and control unit software updates directly from the Internet onto your XENTRY Diagnosis Kit 4.



We recommend this option only be used by workshops with one or two diagnostic devices. There are the following limitations compared to the XENTRY Update Service with Retail Data Storage:

- **Higher network load**
 - Data, esp. control unit software, must be downloaded on demand from the Internet while the unit is running (in contrast to Retail Data Storage, which downloads overnight)
 - The data must be downloaded multiple times
 - High data volume required for the Internet connection

- **Longer waiting times for customers, depending on the download duration**

To use this option, proceed as follows:

1. Go to the "Retail Data Storage" area
2. Select the **"Without Retail Data Storage"** button
3. Then click on "Test connection".
 - Click on "Apply & Continue".
4. Complete the configuration.
 - ➡ The "Additional information" page has links on it that lead you to helpful additional information.

5. ➤ Now click the "Next" button.

➤ An overview of your system configuration appears.

6. ➤ You can now finish the configuration by clicking the "Finish" button.

➤ Your XENTRY diagnostic device is now configured for the XENTRY Update Service without Retail Data Storage and automatically downloads release updates and control unit software.



Note: It is also possible to configure your XENTRY Diagnosis Kit to this option at any given time in the event of a Retail Data Storage malfunction.

6.4.3 Configuration of the UBS to LAN adapter

The USB to LAN adapter is an additional product that is not included. It is used to transfer control unit software more quickly to a vehicle.

You can find more information about the product via the B2B Connect homepage, as well as other information such as the user guide, which provides you with a detailed overview of the configuration process.



You need a Retail Data Storage unit to be able to use the product!

6.5 Completing the configuration

The "Additional information" page has links on it that lead you to helpful additional information.

Now click the "Next" button. An overview of your system configuration appears.

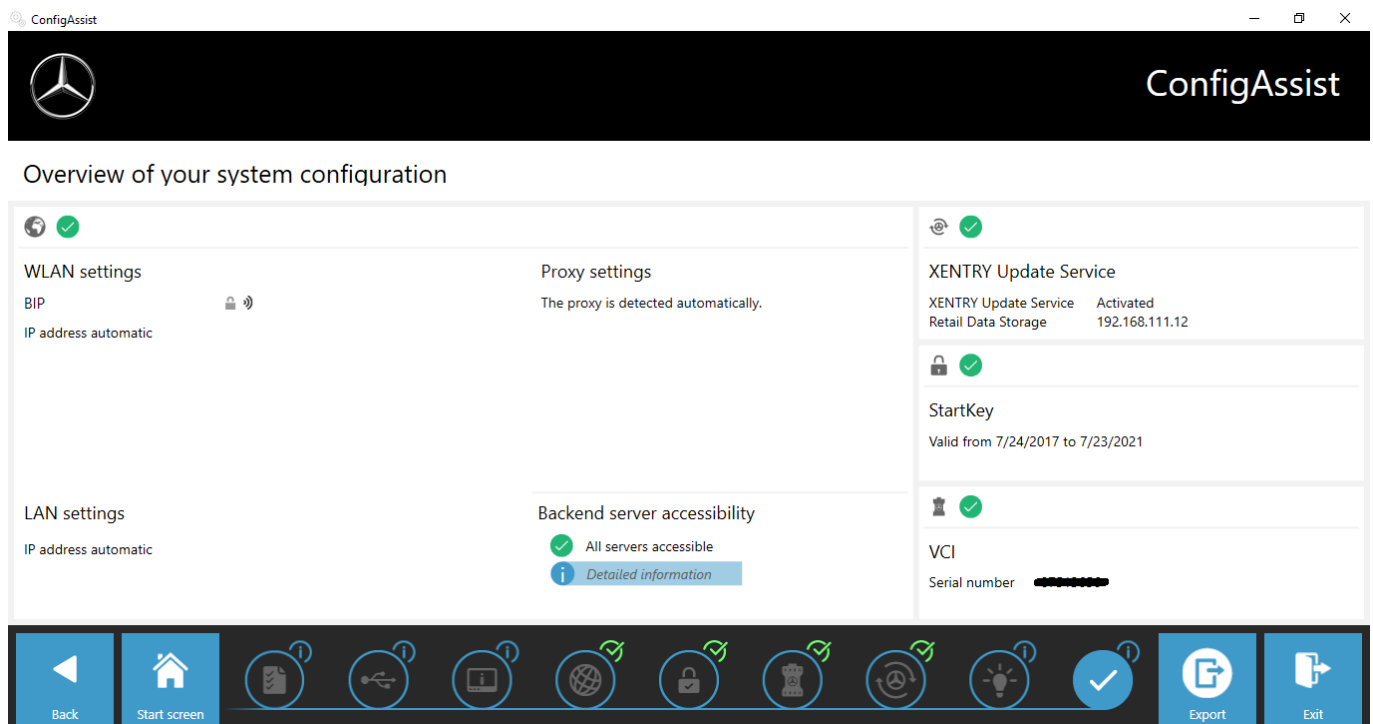


Fig. 14: System configuration overview

A green "check mark symbol" next to the globe indicates a correct online connection. If the symbol is gray, no online connection is established. In this case, please check your network settings. You also obtain information about your network settings, XENTRY Update Service, StartKey and paired XENTRY Diagnosis VCI.

6.6 Exporting the configuration

You can save your configuration as an *.XML file to the XENTRY Diagnosis Pad hard drive through "Export". If you are using several XENTRY Diagnosis devices in your company, you have the option of installing the configuration on every XENTRY Diagnosis Pad by means of a USB flash drive or through the network.

You can find this export function on the first and last page of ConfigAssist.

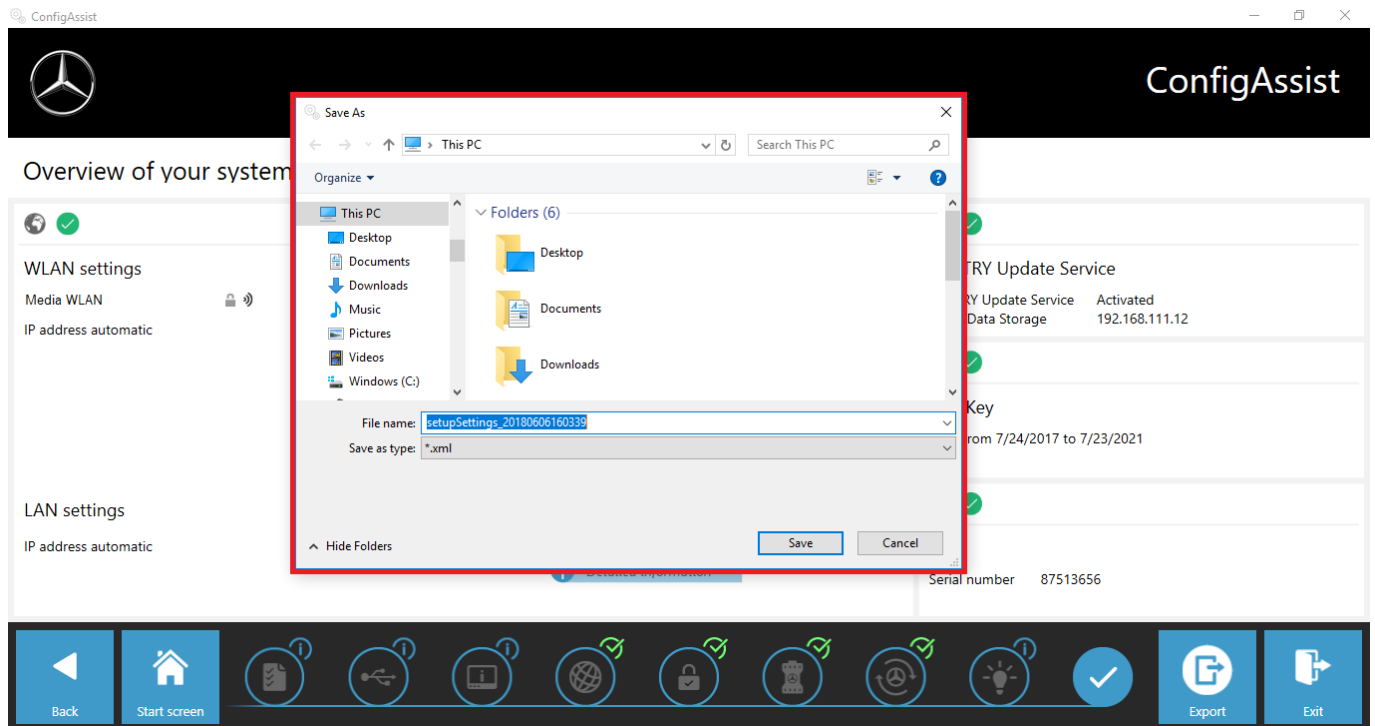


Fig. 15: Exporting the configuration

You have successfully set up your XENTRY Diagnosis Pad.

Now close ConfigAssist by clicking "Exit".

7 Operation of XENTRY Diagnosis Kit 3|4

7.1 System start

Please proceed as follows to correctly launch the components of your XENTRY Diagnosis Kit 4:



Fig. 16: XENTRY Diagnosis Pad 2 illustration

1. Start XENTRY Diagnosis Pad | Pad 2 by pressing the button on the front side of the device for approx. 5 seconds.
2. Start the XENTRY Diagnosis VCI by connecting it to a vehicle with the OBD cable (and, if necessary, an adapter cable).
 - ➡ When the VCI has booted, an acoustic signal is audible (after approx. 10 seconds).
3. Now start the XENTRY Diagnosis software to start a diagnostic session.

7.2 Connection options

Connection to workshop network, XENTRY Diagnosis Pad and XENTRY Diagnosis VCI can be selected individually.

Connection variant 1 : WLAN



Fig. 17: Connection variant 1: WLAN and WLAN

Connection variant 2: WLAN and USB



Fig. 18: Connection variant 2: WLAN and USB

Connection variant 3: LAN and WLAN



Fig. 19: Connection variant 3: LAN and WLAN

Connection variant 4: LAN and USB



Fig. 20: Connection variant 4: LAN and USB

7.3 Printers and printing

Any commercially available Windows 10-compatible printer may be installed on XENTRY Diagnosis Pad | Pad 2. This applies to both USB and network printers. Printers certified for Windows 10 are preferred. Installation is no longer through special tools, but simply via the Windows menu.

7.3.1 Installation of a USB printer

To install a USB printer, proceed as follows:

1. ➤ Switch on the USB printer
2. ➤ Connect the USB printer to XENTRY Diagnosis Pad | Pad 2 using a suitable USB connection cable
3. ➤ Please wait a few minutes
4. ➤ The USB printer is automatically installed by Microsoft Windows 10
5. ➤ The printer is now ready for use

Alternatively, you can install the printer as follows:

- Open the Control Panel from the main menu.

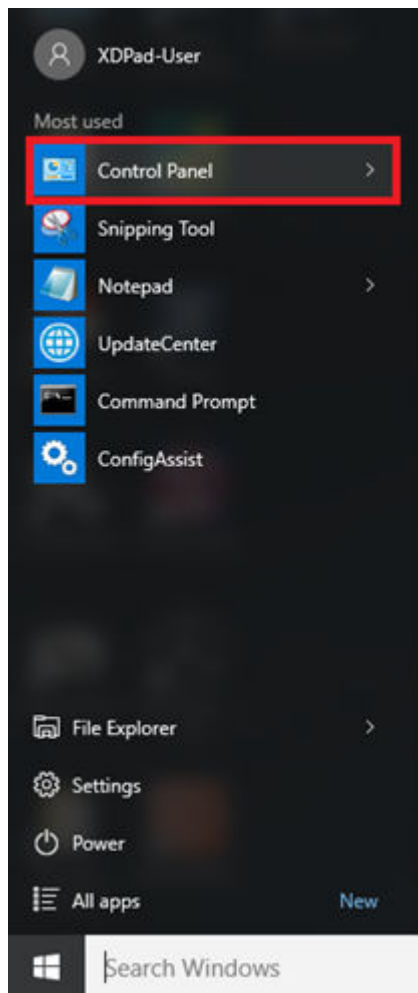


Fig. 21: Open Control Panel

- Click "View devices and printers" in the "Hardware and Sound" area.

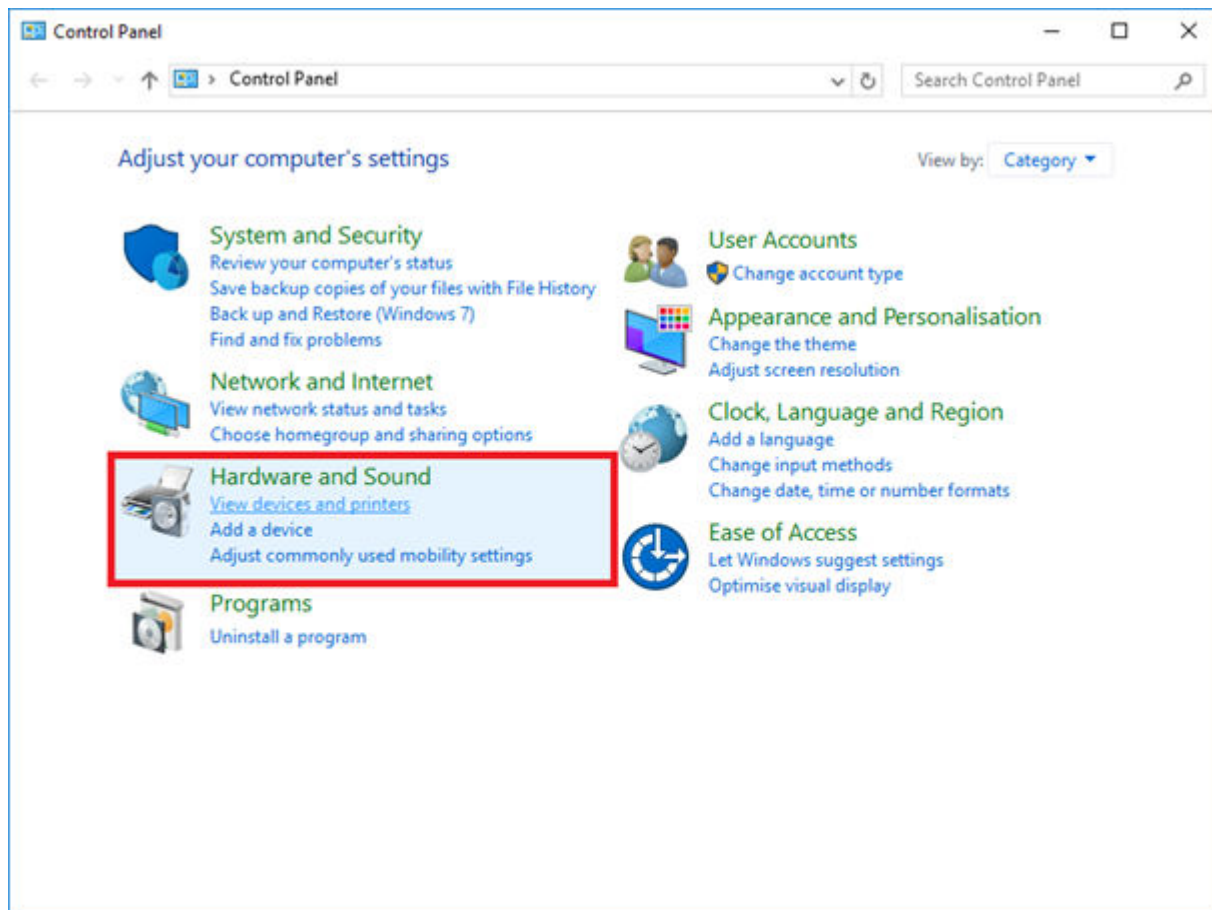


Fig. 22: Hardware und Sound - View devices and printers

- To start with, the currently installed printers are displayed:

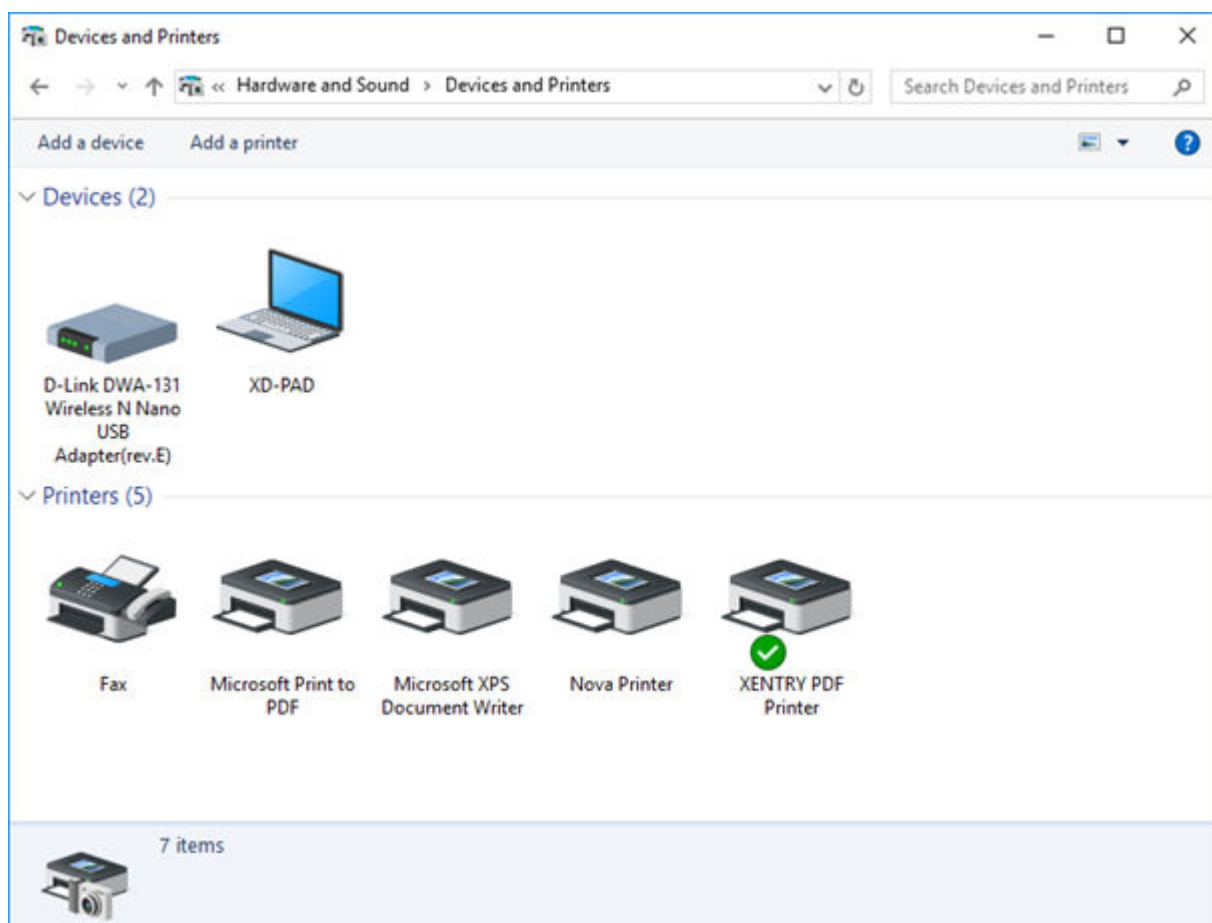


Fig. 23: Currently installed printers

- Now switch on the desired USB printer, and connect it to the XENTRY Diagnosis Pad with a suitable USB connection cable. The printer is initially displayed in the "Unspecified" area; the printer drivers are installed at the same time. This process may take a few minutes.

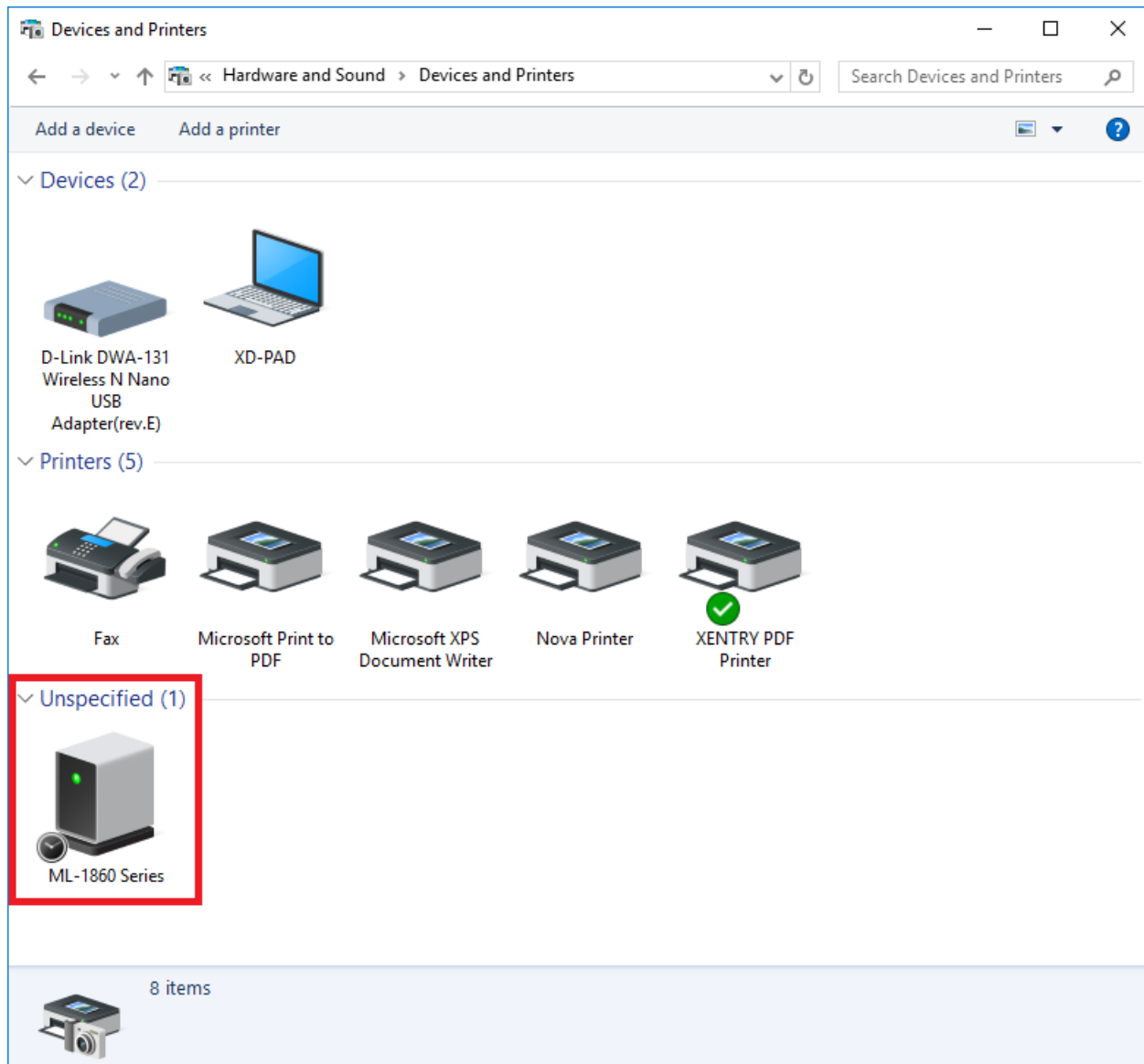


Fig. 24: Printer recognized, installation in progress

- Once successfully installed, the printer is displayed in the "Printers" area.

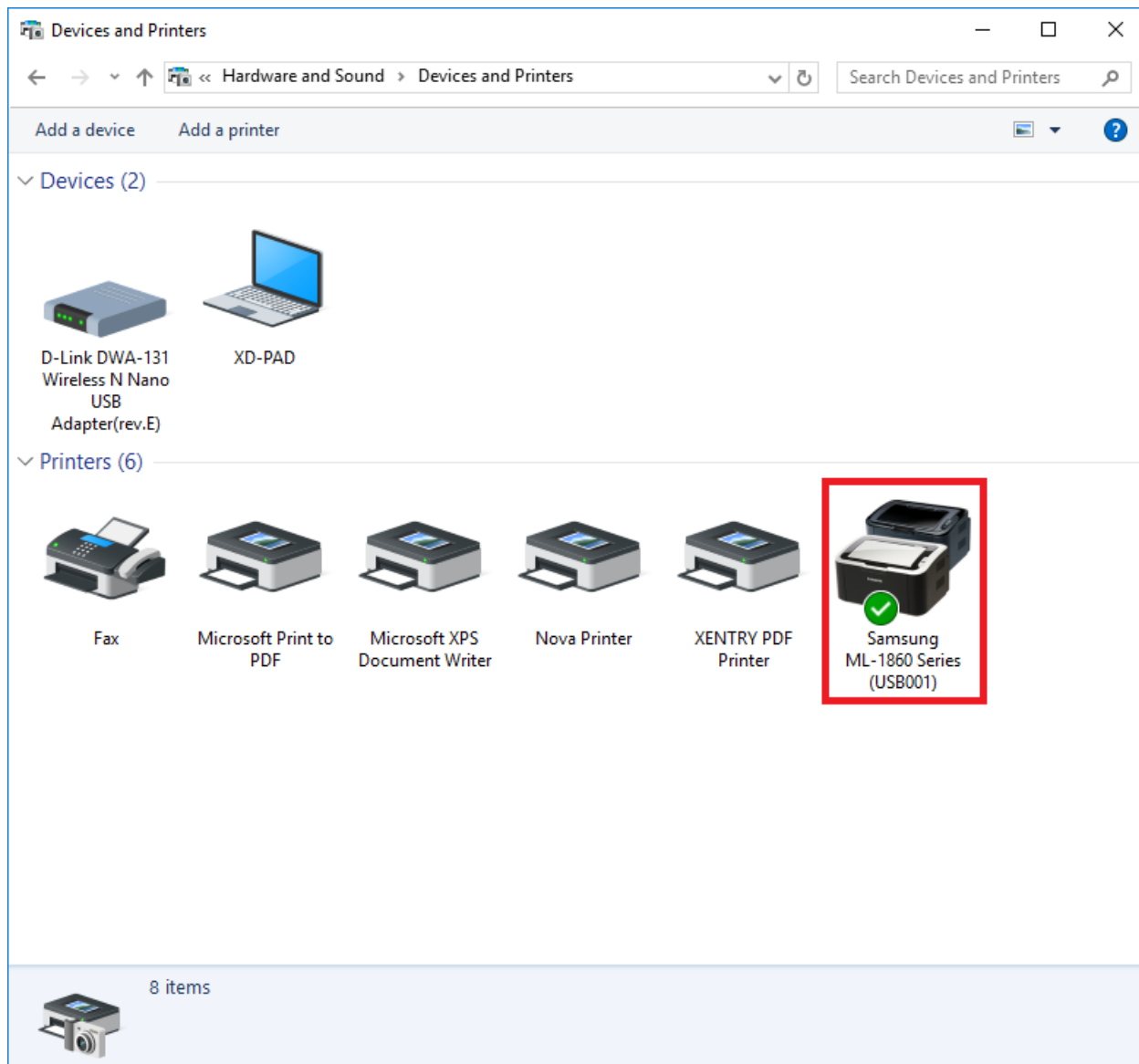


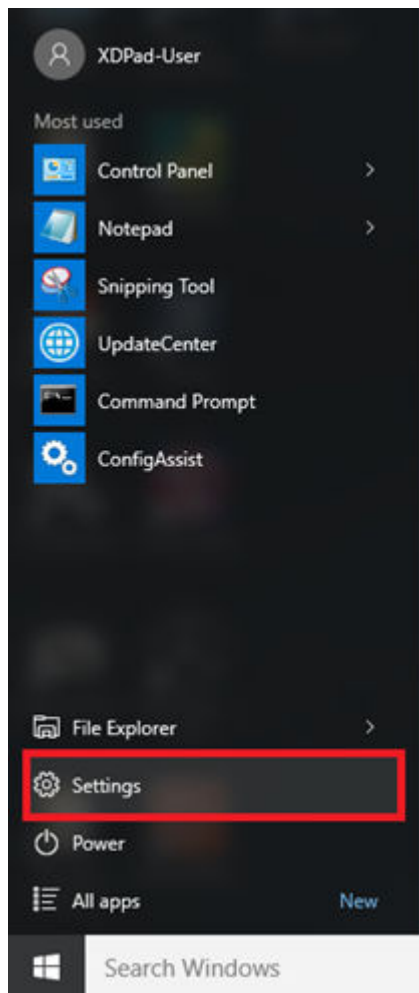
Fig. 25: Printer installed

You have the option of creating PDF files in XENTRY Diagnosis Kit 3. A comprehensive description of the Diagnosis PDF Printer is available in .

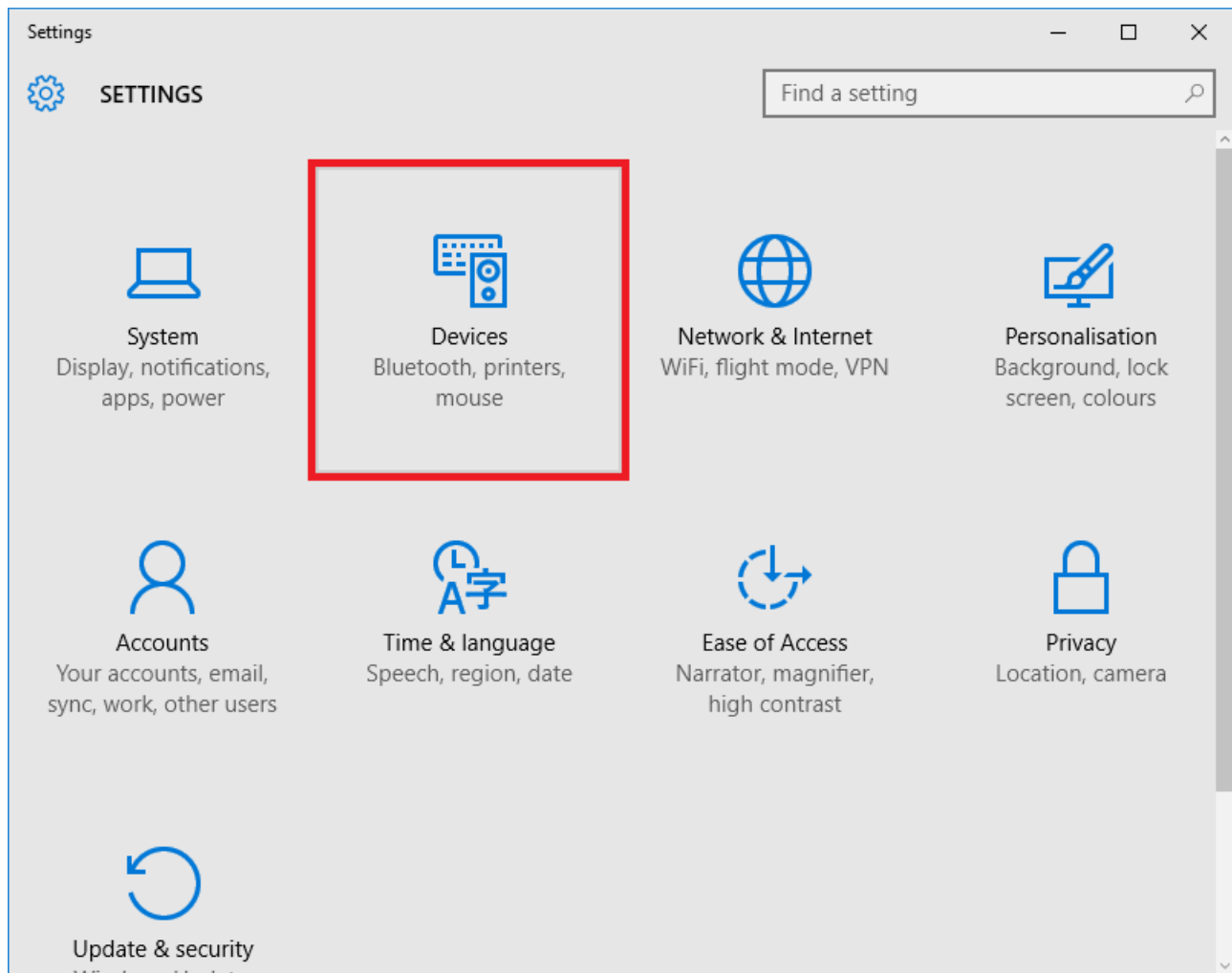
7.3.2 Installation of a network printer

The process for setting up a network printer located on the same network as the XENTRY Diagnosis Pad is described below. Please switch on the network printer, and connect to the network on which the XENTRY Diagnosis Pad is located.

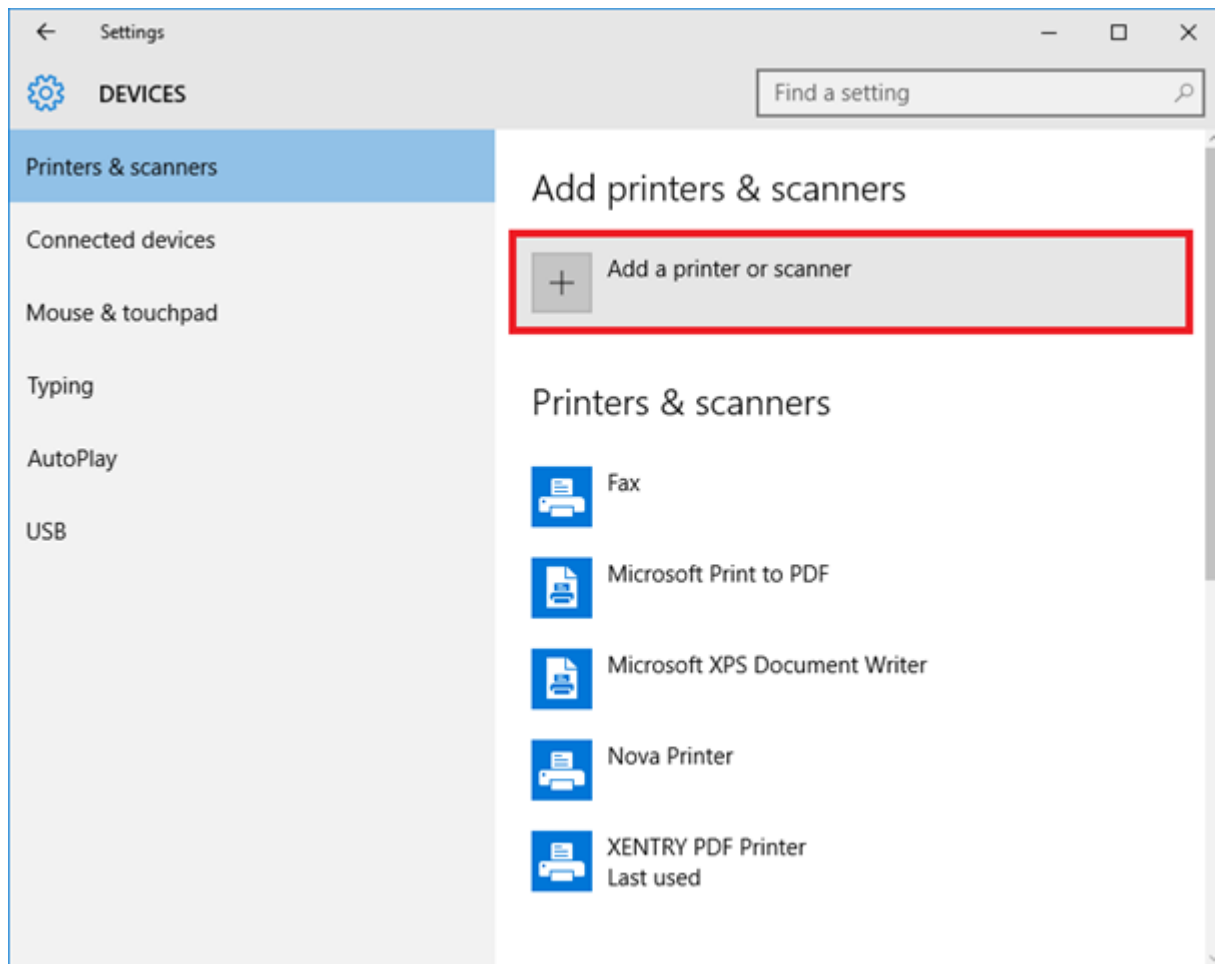
- Open "Settings" through the main menu on the XENTRY Diagnosis Pad.



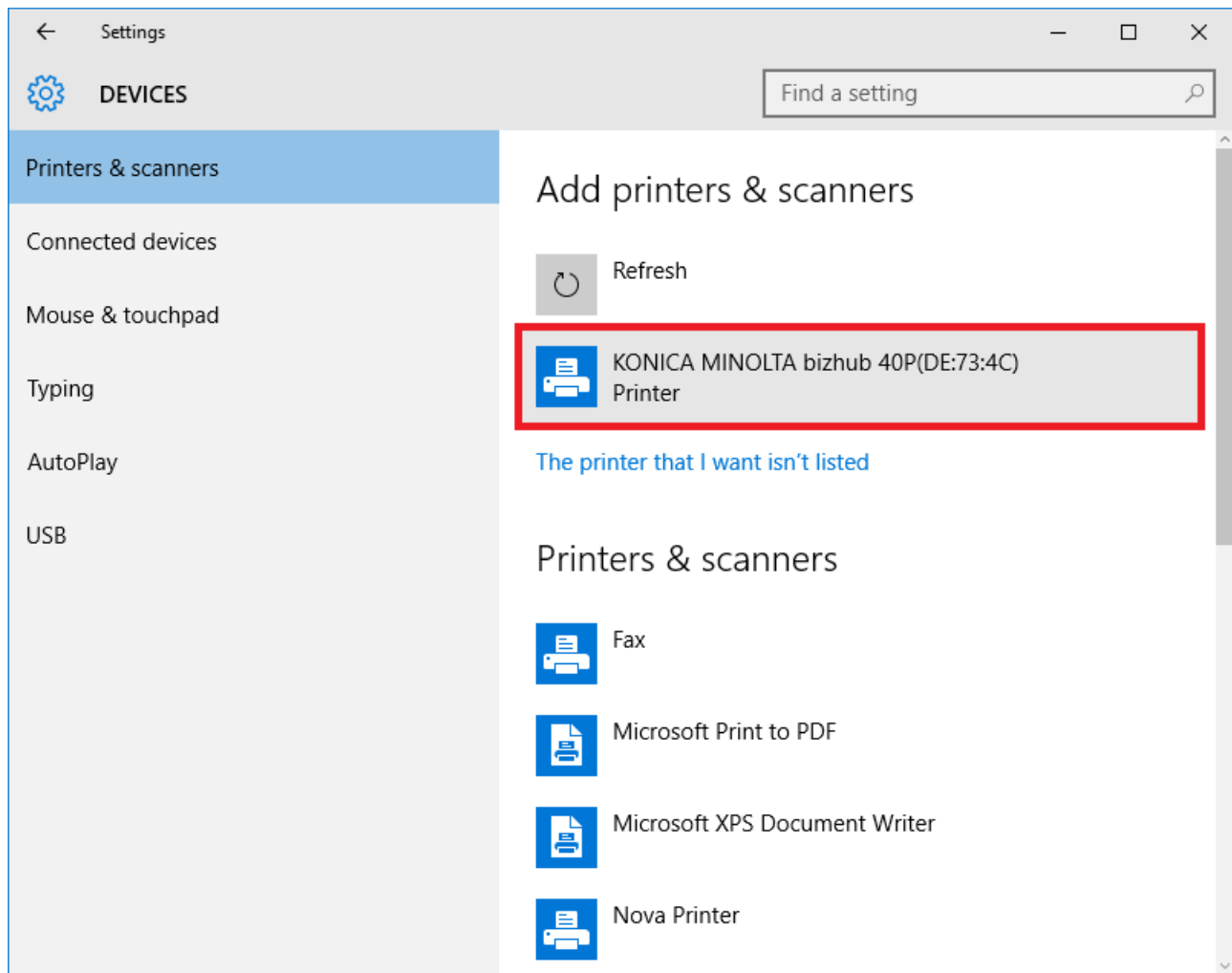
- Select "Devices – Bluetooth, Printer, Mouse".



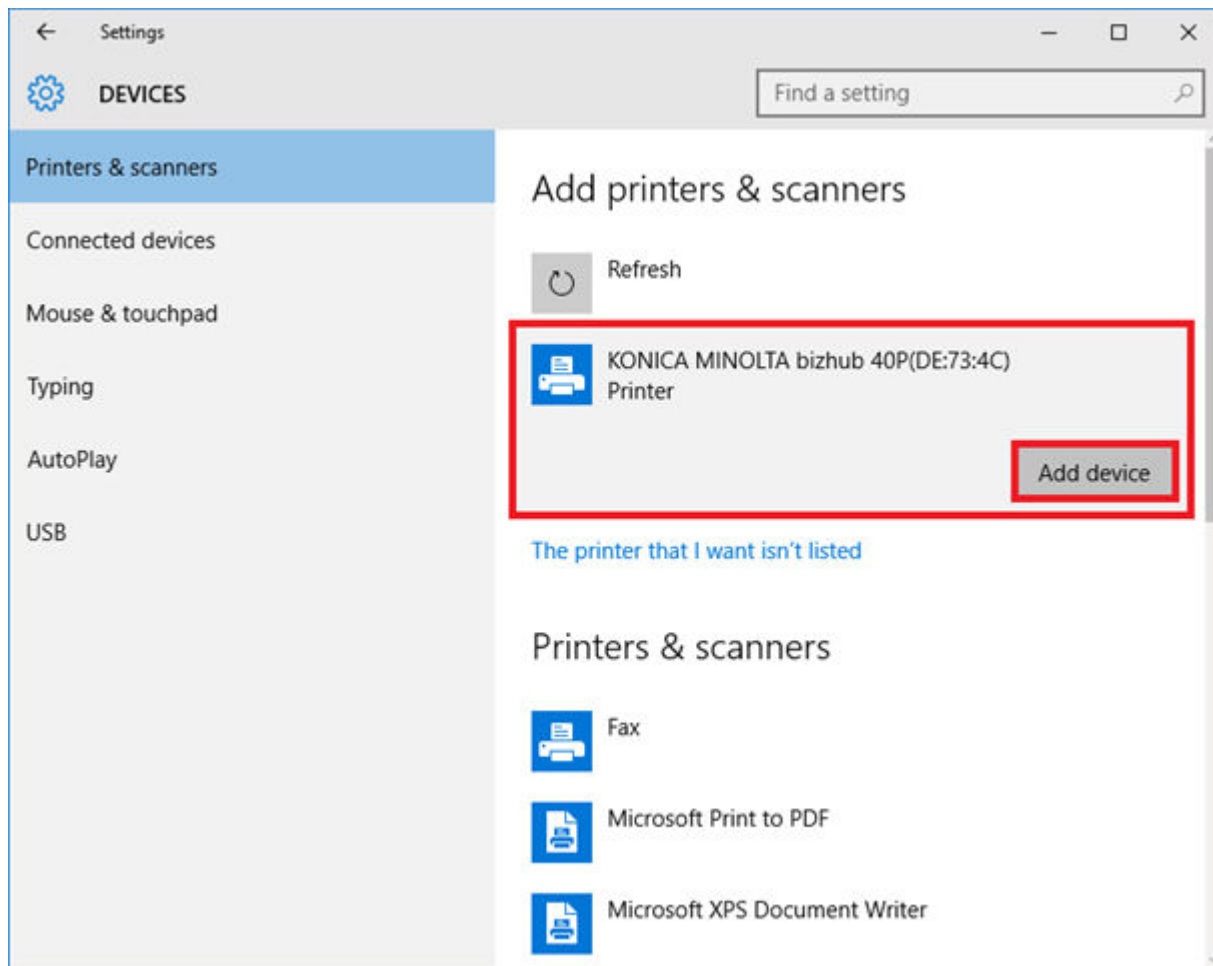
- Click on "Add printer or scanner".



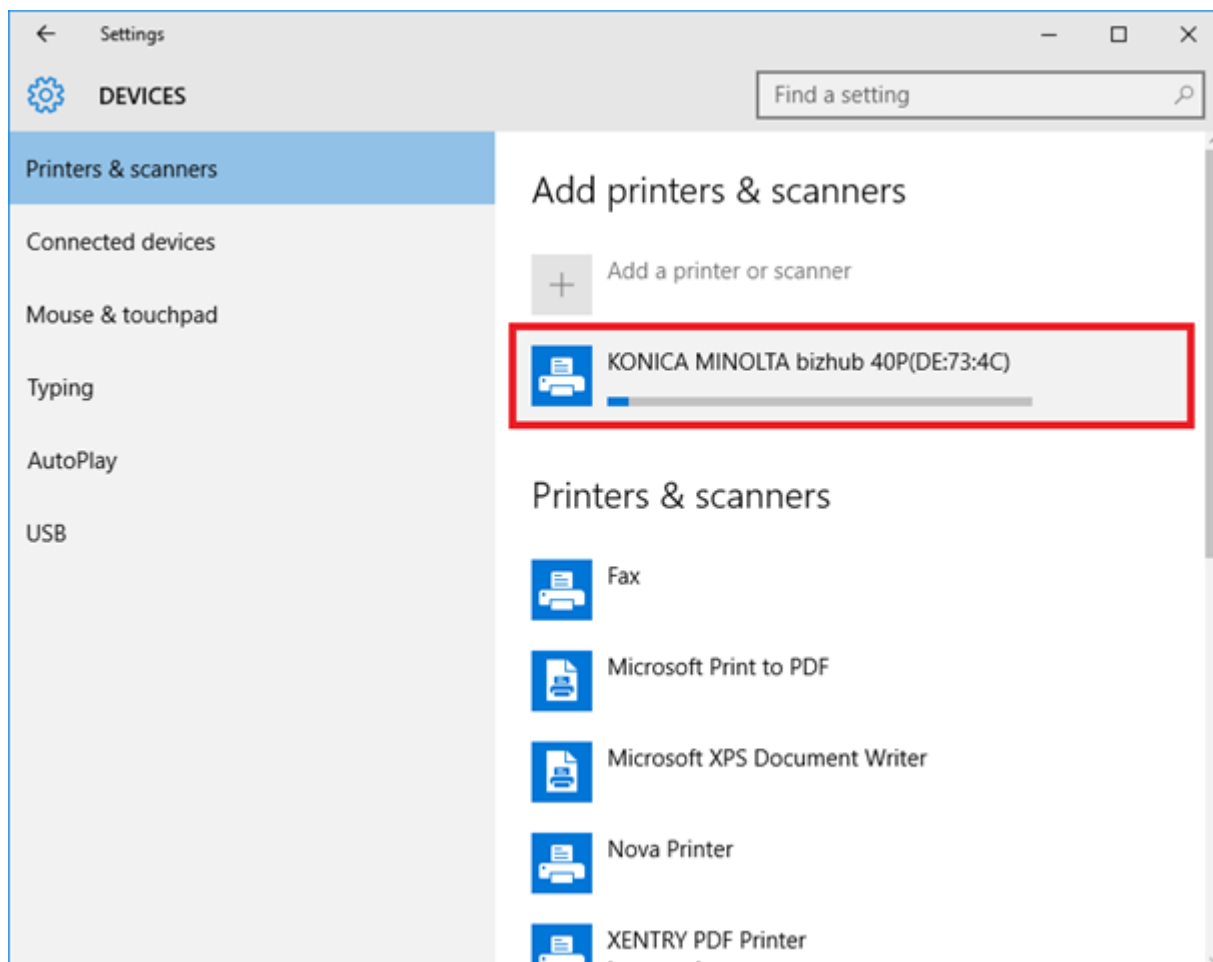
- After a brief search, the network printer is displayed.



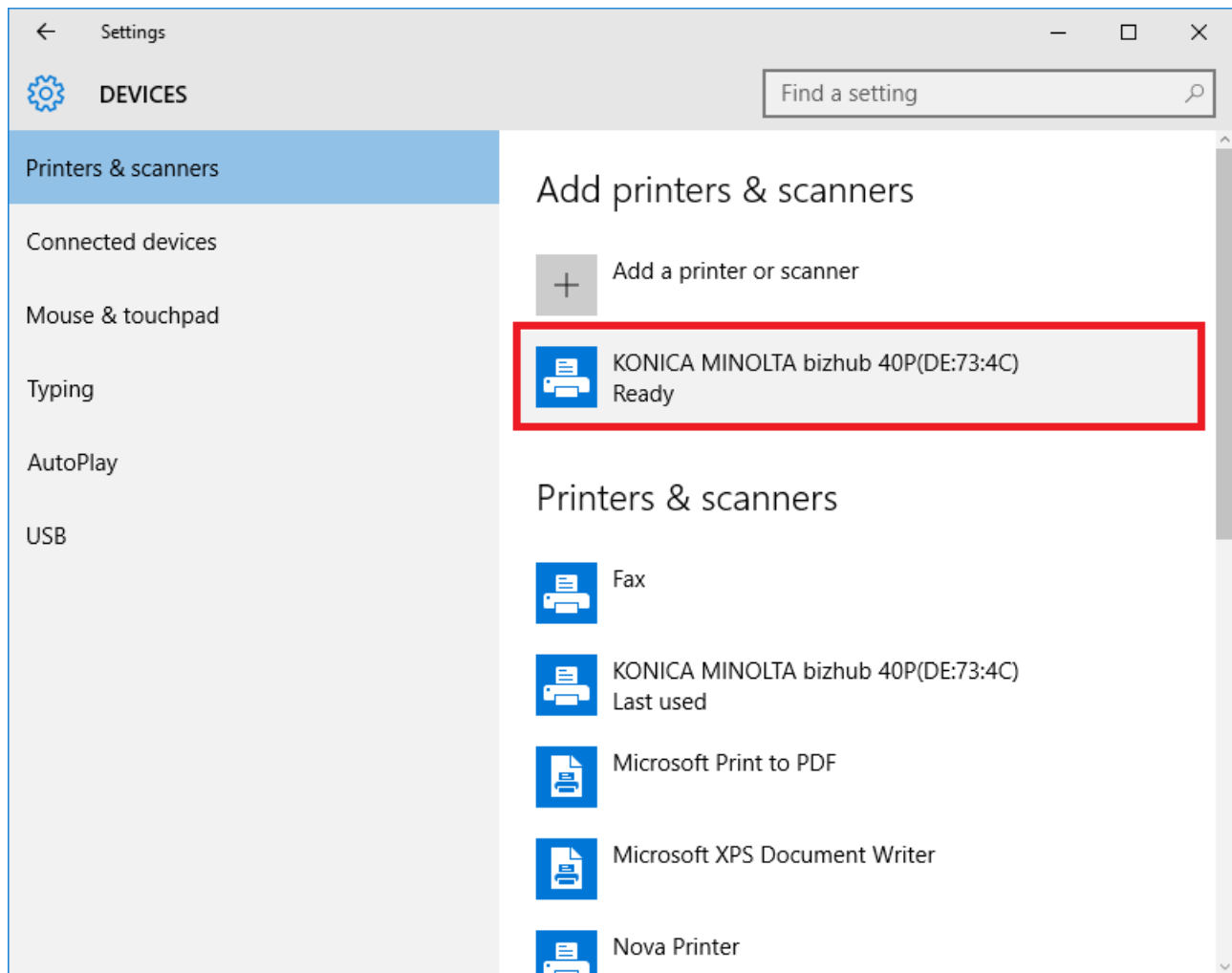
- Mark the printer for installation, and then select "Add device".



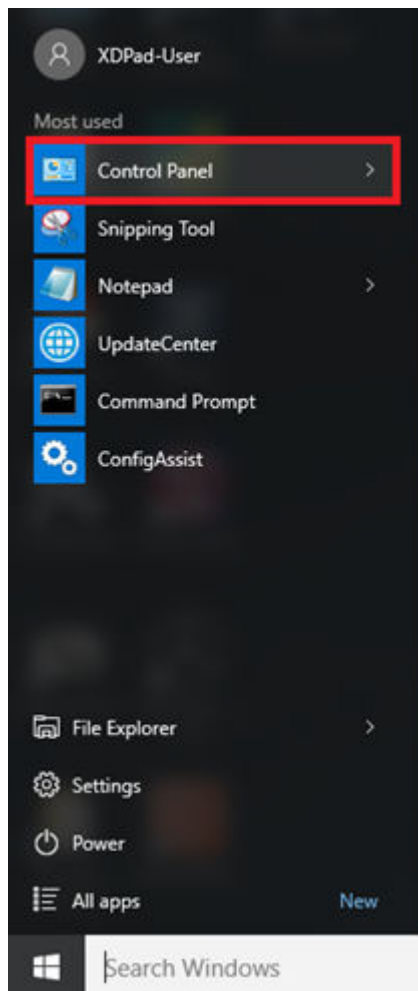
- The printer drivers are now automatically retrieved and installed.



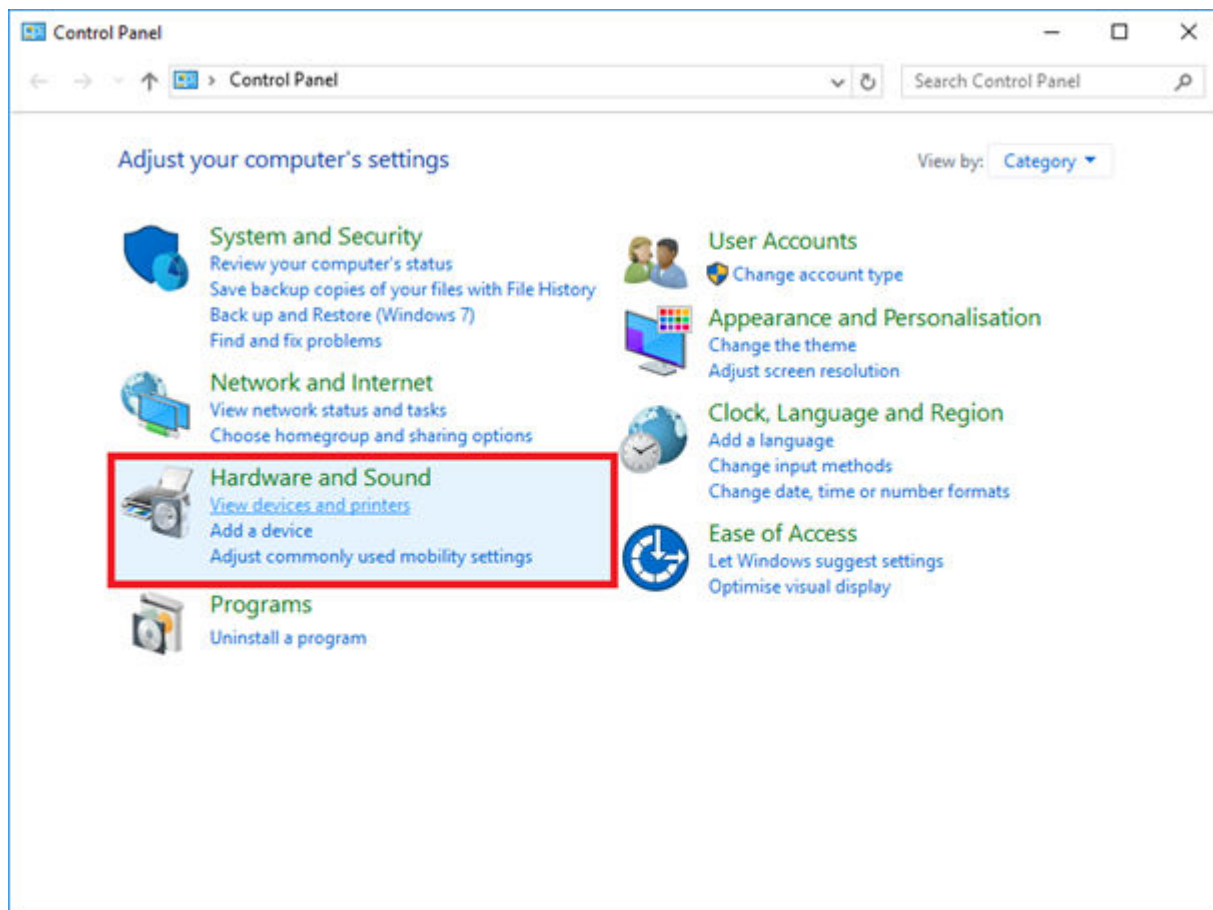
- The printer is now ready.



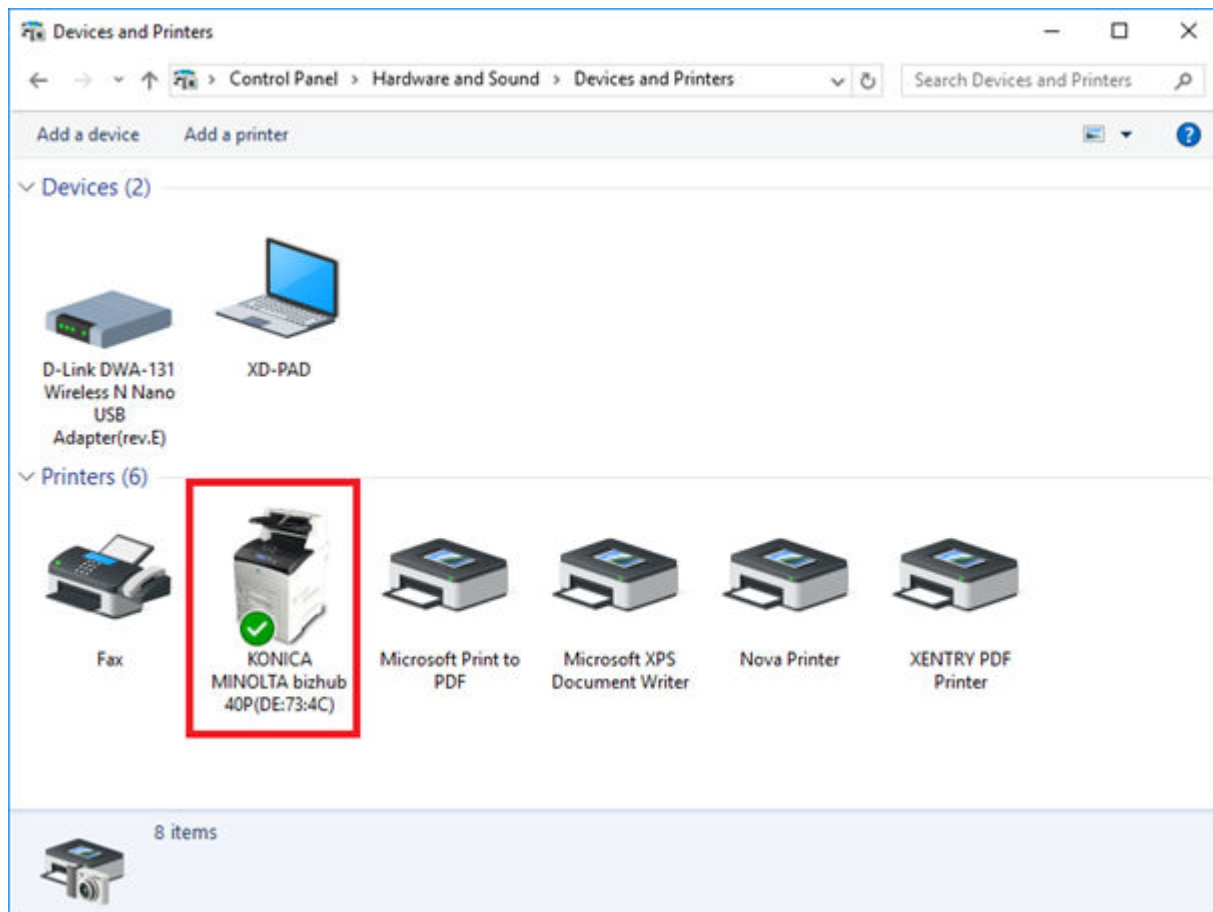
- If desired, you can run a check through the control panel. To do so, click the "Control panel" button in the main menu.



- All installed printers are displayed through the "Hardware and Sound – View devices and printers" menu item.



- The installed printer will be visible in the "Printers" area.

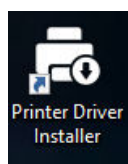


7.3.3 Assistant for installing printer drivers

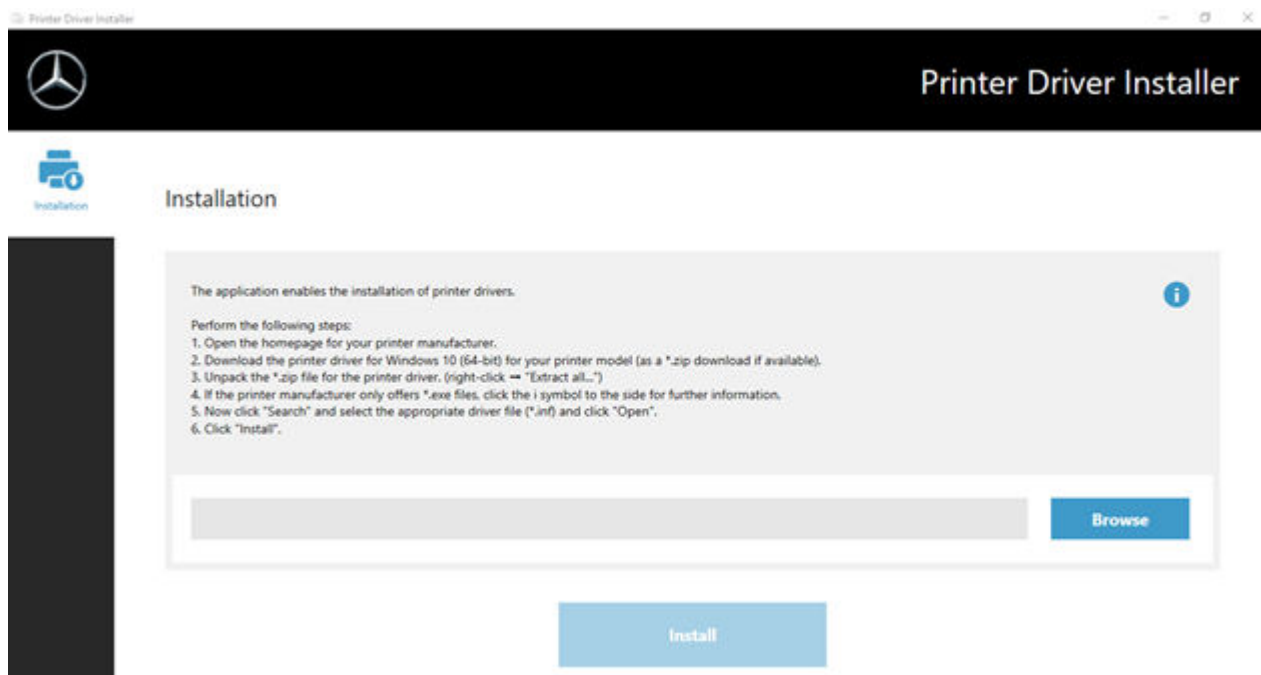
If you are prompted to enter an admin password during printer installation, you have two options:

Install the printer driver through the "Printer Driver Installer" desktop shortcut. The procedure to do so is described below:


- Open the Printer Driver Installer through the desktop shortcut on your XENTRY Diagnosis Pad.

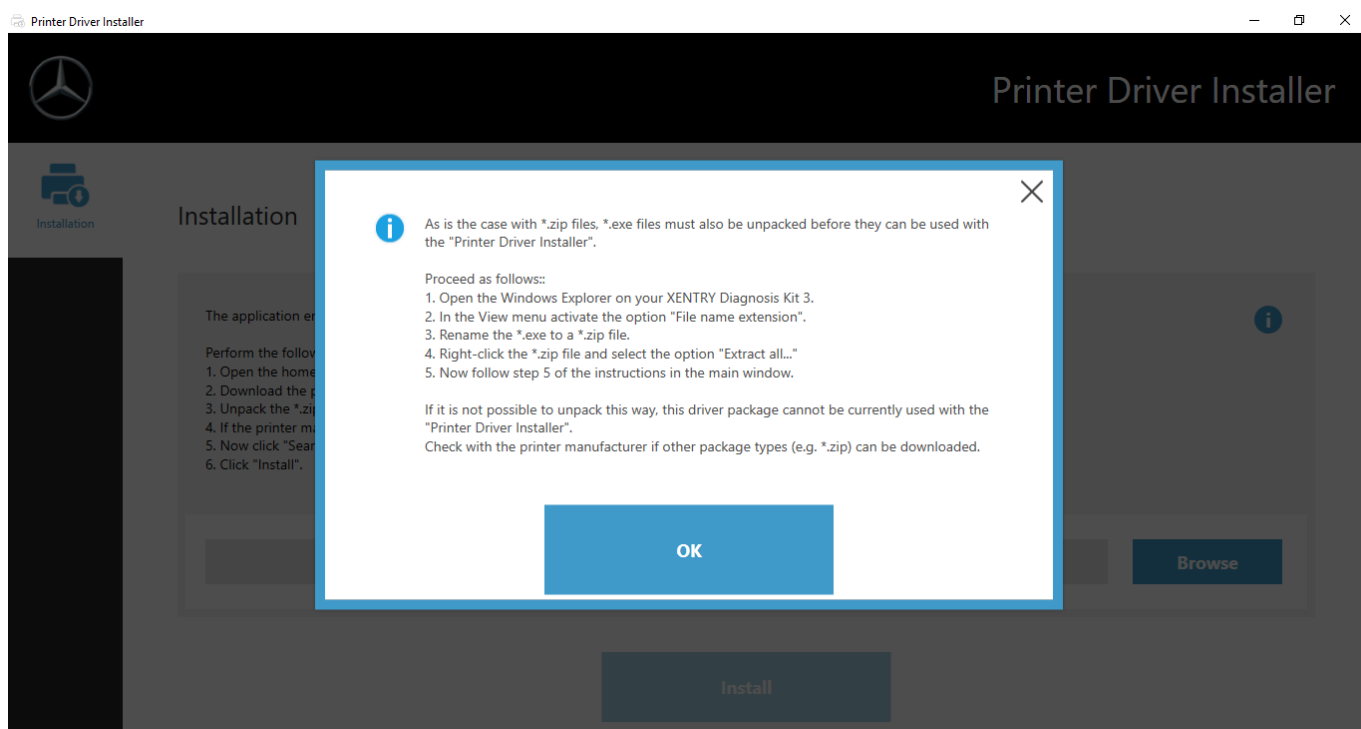


- The installation page opens:



Here, you can directly download and install the printer driver on XENTRY Diagnosis Pad.

Please note that the Printer Driver Installer currently only handles *.INF files. If your printer driver is only available as an *.EXE file, then click on the  button at the right to find out how you should proceed further:



7.4 Use of Control Unit Software Provided Online

If you use Retail Data Storage in your service operation, you can commission control units online (without DVDs or Blu-ray discs), as the control unit software is now available through Retail Data Storage.

The available control unit software can be viewed in the XENTRY Update Service Control Center.

Part number	Progress	Status
0002527015_001.CFF	100%	Finished
0004420076_001.CFF	100%	Finished
0004420112_001.CFF	100%	Finished
0004420212_001.CFF	100%	Finished
0004420537_001.CFF	100%	Finished
0004420637_001.CFF	100%	Finished
0004420671_002.CFF	100%	Finished
0004420856_001.CFF	100%	Finished
0004421071_001.CFF	100%	Finished
0004421137_001.CFF	100%	Finished

Fig. 26: Available control unit software

For more information, please see the user guide "XENTRY Update Service - Commissioning Retail Data Storage".

7.5 AQT - Automatic Quick Test

In order to perform an automatic quick test (AQT) in service reception, the XENTRY Diagnosis Pad | Pad 2 must be integrated into your company's service reception network and connected to the Internet. Please ensure when working in service reception that XENTRY Diagnosis VCI and XENTRY Diagnosis Pad | Pad 2 are close enough to each other to ensure that the connection between the hardware components can be maintained through the WLAN. Alternatively, hardware components can be connected through a USB connection cable.

In addition, you must have access to XENTRY Portal. More information is available in the XENTRY Portal at Service Reception > Diagnosis in Reception (Automatic Quick Test)

To activate the AQT mode, open the "XENTRY Diagnosis AQT" link on the XENTRY Diagnosis Pad | Pad 2 desktop.

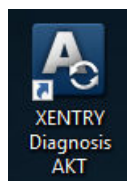


Fig. 27: XENTRY AQT icon

You will be prompted once to log in with your username and password:

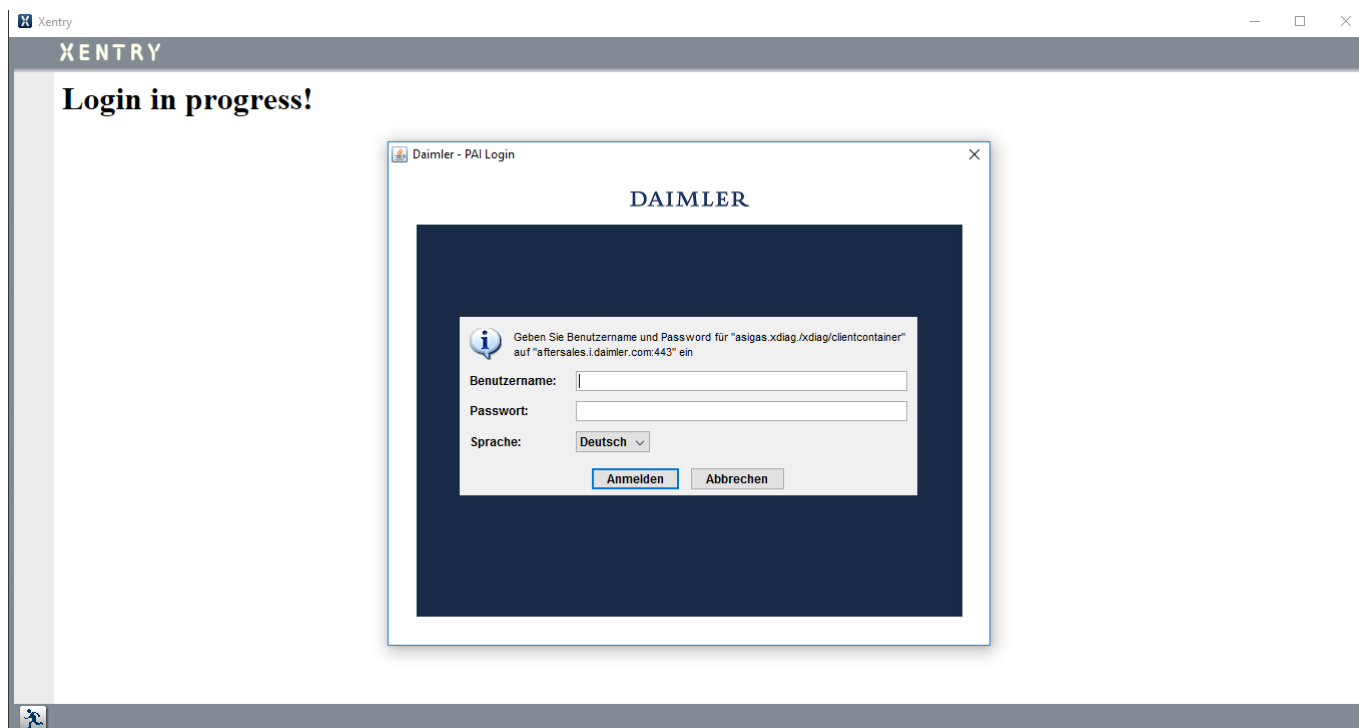


Fig. 28: XENTRY AQT login

XENTRY Diagnosis VCI is now ready to perform the AQT.

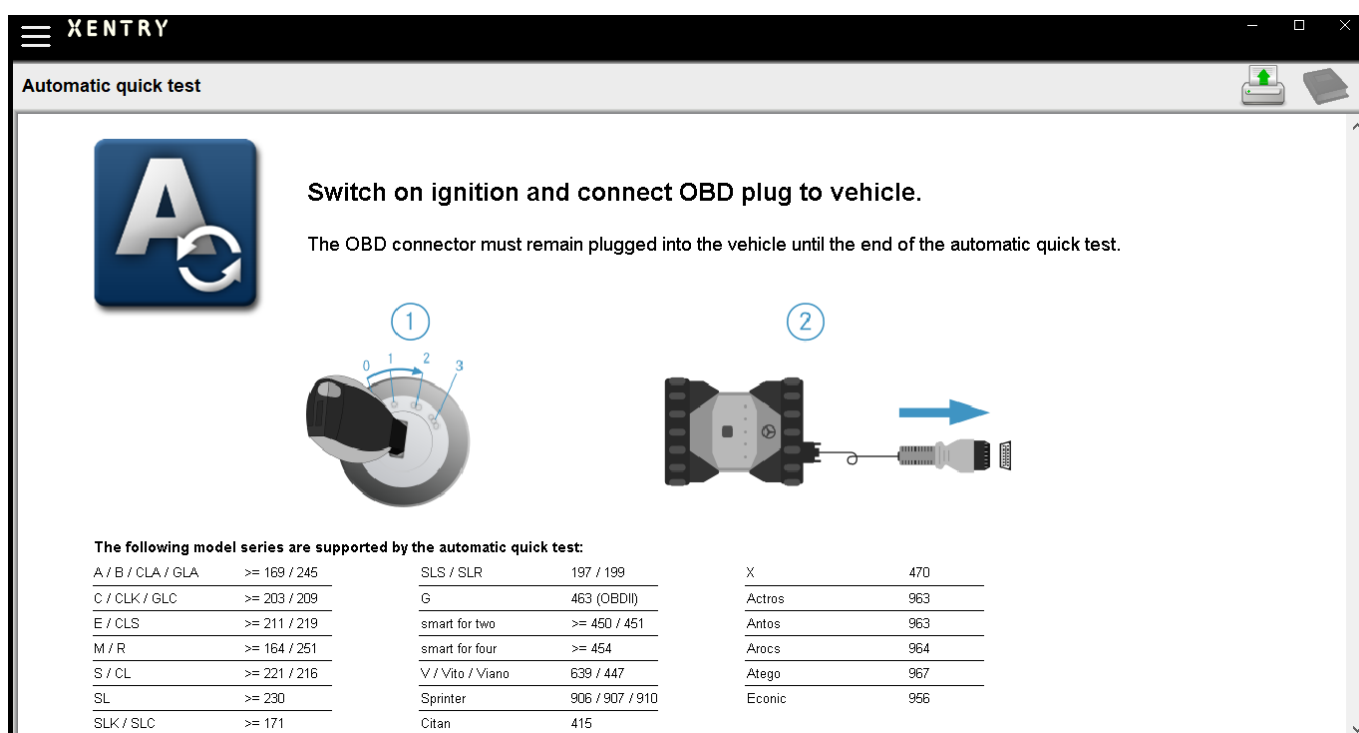


Fig. 29: AQT main menu

Proceed as follows:

- Switch on the ignition on the vehicle (important!)
- Connect XENTRY Diagnosis VCI to the OBD socket on the vehicle
- The quick test starts; you can follow its progress on the XENTRY Diagnosis Pad:



Fig. 30: Running AQT

- The quick test is completed in a few minutes (depending on model series and vehicle equipment), and the results are automatically transmitted via the network to the XENTRY Portal (the status display for the quick test can be read from the XENTRY Diagnosis Pad)
- In response to the prompt "Pull OBD plug" on the XENTRY Diagnosis Pad display, disconnect the device from the vehicle.
- The quick test is now available on XENTRY Portal.

You can now use the XENTRY Diagnosis VCI on the next vehicle.

You can close AQT mode again after the last automatic quick test. To do so, close the "XENTRY AQT" program on the XENTRY Diagnosis Pad | Pad 2.

7.6 XENTRY WIS / XENTRY Operation Time

7.6.1 New Workshop Information System (XENTRY WIS)

Information at the touch of a button with XENTRY WIS

All the technical descriptions, work instructions and information that you need for your maintenance or repair work are now available to you in the new **XENTRY WIS**. Your modern Workshop Information System, with its impressive new design, is conveniently **integrated into XENTRY Portal** and can also be used on your **mobile devices**. Wherever you are, you can receive, at the touch of a button, **up-to-date and accurate data on all aspects of your workshop order**. This allows you to process your order efficiently and act in a targeted manner.

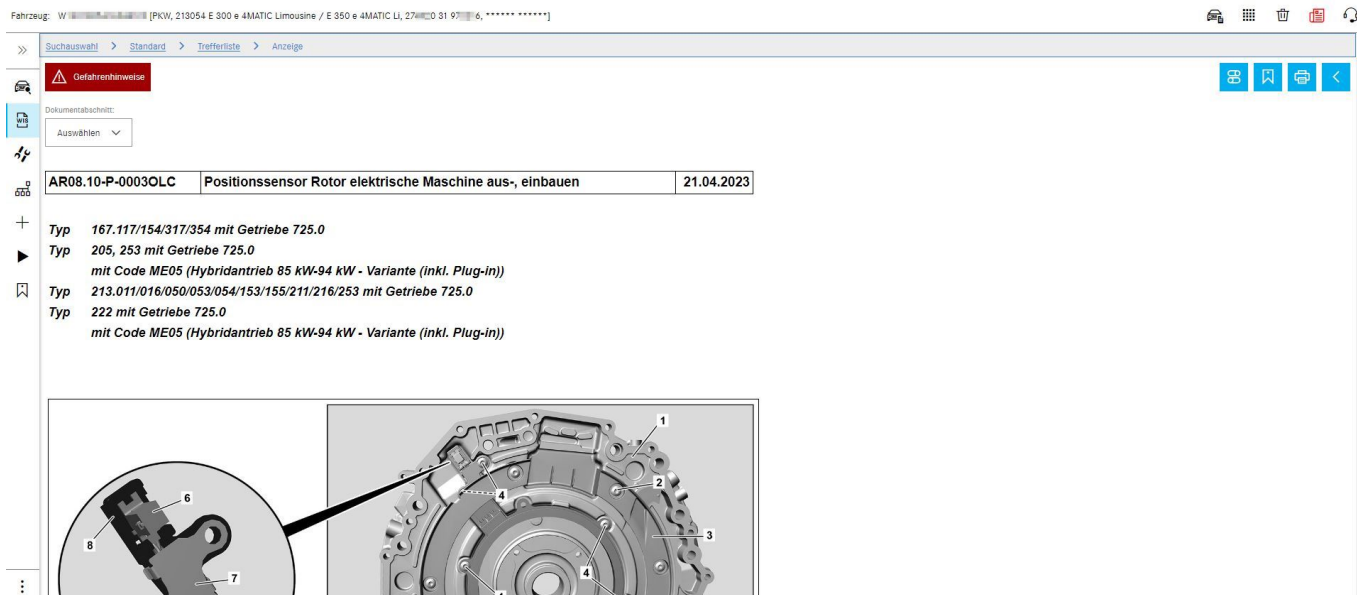


Fig. 31: Direct launching of XENTRY WIS

Optimized functions in a modern design

Benefit from your new Workshop Information System:

- Integration into existing system landscape and after-sales processes: Uniform design, simplified application and stronger networking of after-sales information
- JAVA/OWS clients are no longer required
- Same operating concept makes familiarization easy
- Vehicle-specific repair and maintenance information from a single source
- Up-to-date information for optimal maintenance and repair services according to manufacturer specifications
- New product design: Search for workshop information in new, streamlined design
- Can be used on mobile devices

More information is available in the XENTRY Portal:

➔ https://xentry.mercedes-benz.com/information/content/display/xentry_wis_overview

7.6.2 XENTRY Operation Time – Operates More Intuitively, Searches Faster, Finds Easier

Now, you can search for all the information you need about **operation items** and **labor times** and do so quicker than ever. **XENTRY Operation Time provides FIN/VIN-based data of the highest quality on a daily basis.** The new, intuitive and modern user interface displays all the relevant information, using two screens only. XENTRY Operation Time is integrated seamlessly into XENTRY Portal/XENTRY Diagnosis, and it can also be used on additional mobile devices.

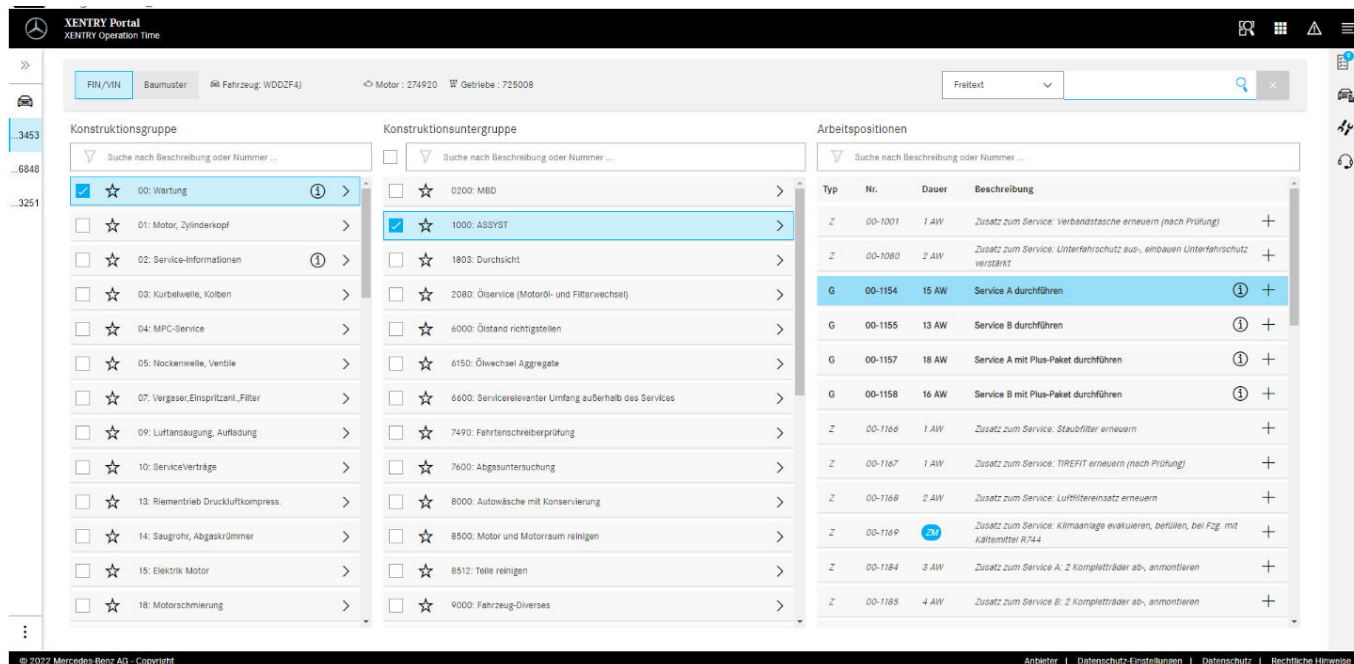


Fig. 32: Direct launching of XENTRY Operation Time

All the advantages at a glance:

- Daily information on operation items and times
- FIN/VIN-specific filter options
- Improved and intuitive search functions
- Continuous development enables data corrections on a daily basis
- Can be used on mobile devices
- Integration into XENTRY Portal/ XENTRY Diagnosis for optimum networking of applications and information
- JAVA/OWS clients are no longer required

More information is available in the XENTRY Portal:

➔ https://xentry.mercedes-benz.com/information/content/display/xentry_operation_time_overview

7.6.3 Launching XENTRY WIS/XENTRY Operation Time from the XENTRY frame

You can launch XENTRY WIS and XENTRY Operation Time from the XENTRY frame. You will need to log in with single sign-on using your EMEA user ID and the corresponding password.

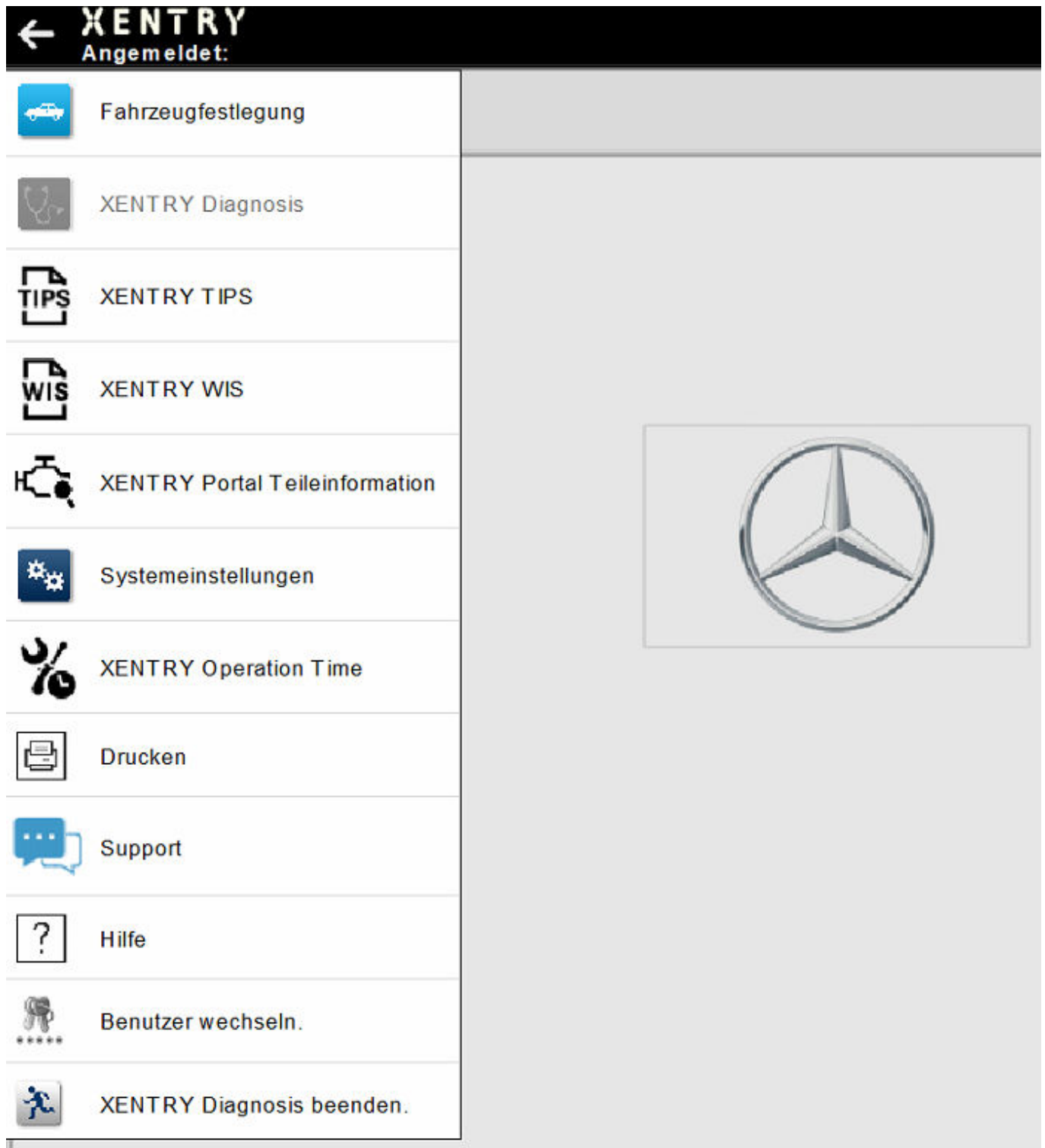


Fig. 33: Direct launching of XENTRY WIS/Operation Time from the XENTRY frame



Please note that as soon as a vehicle context has been specified in the XENTRY frame (vehicle data visible in the XENTRY footer), it is then forwarded to the applications. XENTRY WIS and XENTRY Operation Time then sets these vehicle data as the search context.

7.6.4 Calling up XENTRY WIS/XENTRY Operation Time from the diagnostic session

In addition to launching XENTRY WIS/XENTRY Operation Time from the XENTRY frame, which involves transferring the vehicle context to XENTRY WIS/XENTRY Operation Time, it is also possible to launch XENTRY WIS/XENTRY Operation Time from various control units or function views within a diagnosis session.

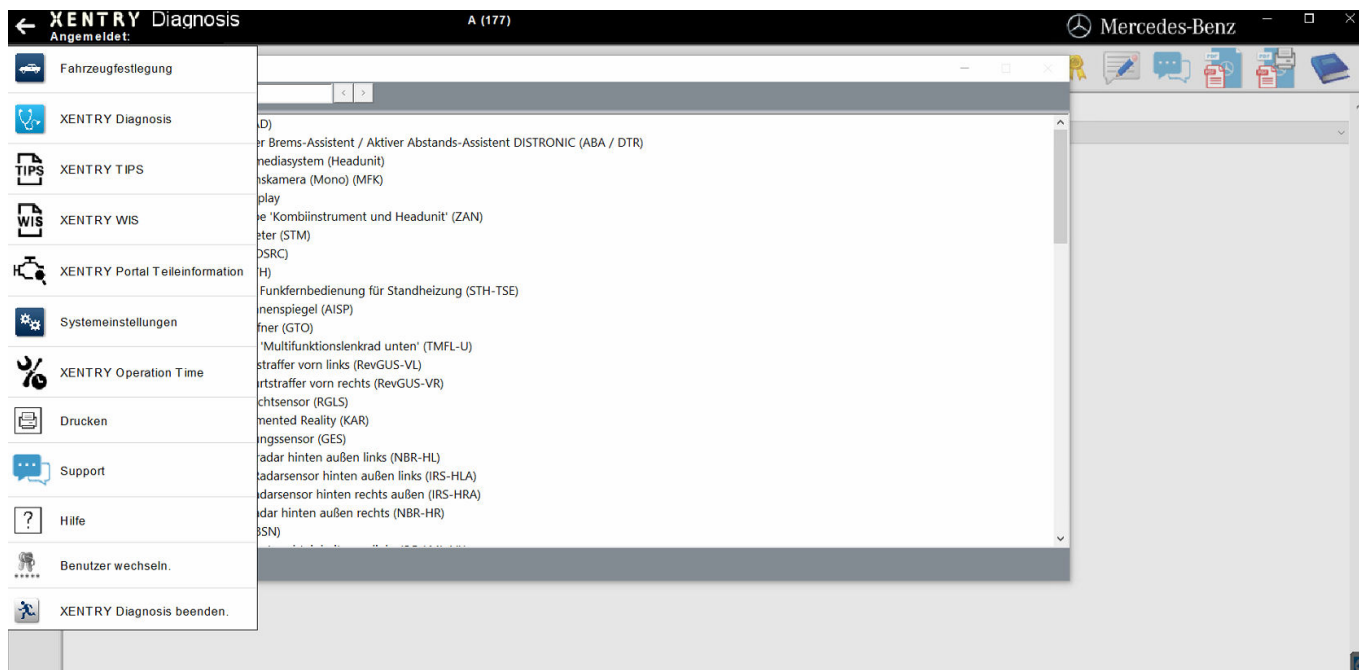


Fig. 34: Direct launching of XENTRY WIS/Operation Time from diagnosis session



The new XENTRY WIS and XENTRY Operation Time products can now also be used through independent service providers (ISP) completely from the XENTRY frame and the diagnosis session. As the service environment is the same, launching per browser is not then necessary.

7.6.5 Vehicle-specific wiring diagrams per "Dynamic Wiring Diagram"

Dynamic Wiring Diagram (DWD) is another powerful module for use in your workshop. This provides you with access to the wiring diagrams of the car model series of Mercedes-Benz.

Thanks to the FIN/VIN-specific display of the "Dynamic Wiring Diagram", users are only shown the wiring diagram relevant for their particular vehicle. This does away with the need for exhaustive searching for vehicle equipment and jumping from one system to another. This and other search and filter functions help the user, and play a considerable part in reducing possible search errors in the repair and diagnosis process. Further information, including on component parts, can also be shown with a single click.

"Dynamic Wiring Diagram" is linked to XENTRY WIS rights, which means that a separate order is not required. Please note that as of the end of 2021, wiring diagrams for new startups and facelifts will only be available in the "Dynamic Wiring Diagram" module. You should therefore preferably use this module for wiring diagram searches.

Launching Dynamic Wiring Diagram from the home screen and quick test

- Open "Dynamic Wiring Diagram" using the book symbol at top right.

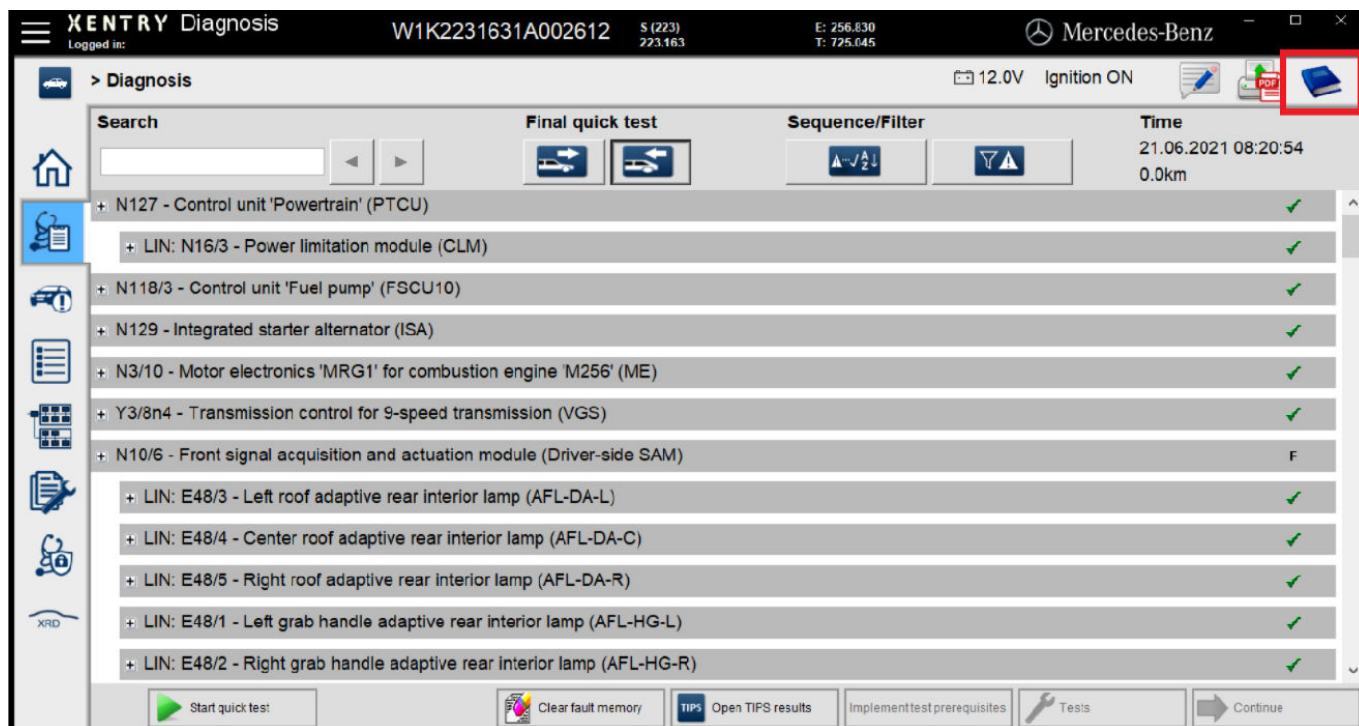


Fig. 35: Vehicle-specific wiring diagrams per "Dynamic Wiring Diagram"

- Open the list of all control units in the quick test. After opening a wiring diagram, all the components in the wiring diagram are displayed. You can use the search field to filter the displayed component parts.

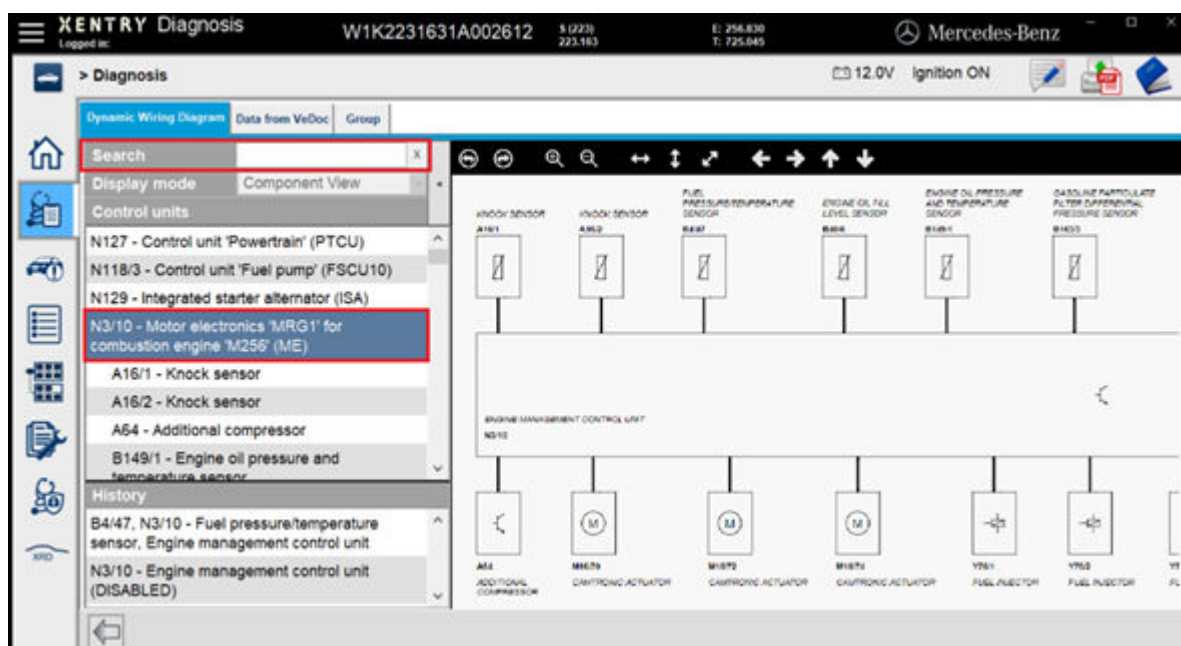


Fig. 36: Overview of components in wiring diagram

- Select the component you want. You will see the corresponding installation location in the right-hand area.



Fig. 37: Selection of components and each installation location

8 XENTRY Diagnosis Kit 4 hardware components

8.1 XENTRY Diagnosis Pad 2

8.1.1 Technical performance features of XENTRY Diagnosis Pad 2



Fig. 38: View of XENTRY Diagnosis Pad 2

Hard drive:	1 TB SSD
Memory:	16 GB DDR4
Processor:	Intel ® Core™ i5
Operating system:	Windows 10 IoT
Dimension:	Approx. 338 x 240 x 33 mm (W x L x H)
Weight:	Approx. 2.3 kg

- Convenient operation via:
 - Infinitely adjustable stand
 - Capacitive Full HD multitouch display
 - Good display readability



Do not expose the pad to direct sunlight for too long, otherwise this will have a negative impact on the speed.



NOTICE

If the pad is exposed to direct sunlight for an extended period, the built-in rechargeable battery may be damaged.

8.1.2 Connections on XENTRY Diagnosis Pad 2



Fig. 39: Connections of XENTRY Diagnosis Pad 2

8.1.3 Buttons and Displays on XENTRY Diagnosis Pad 2

XENTRY Diagnosis Pad 2 is equipped with the following buttons and displays:



- | | | | |
|---|---|---|--------------------------------------|
| 1 | You can switch on your XENTRY Diagnosis Pad 2 here | 4 | F1 and F2 buttons, freely assignable |
| 2 | LED status displays for WLAN, hard disk operation, rechargeable battery, operating status | 5 | Showing / hiding virtual keyboard |
| 3 | Screen lock | 6 | Settings |
| | | 7 | Open XENTRY Diagnosis software |

8.2 XENTRY Diagnosis VCI

8.2.1 XENTRY Diagnosis VCI technical performance features









Fig. 40: XENTRY Diagnosis VCI

- Material: Polycarbonate with rubber caps
- No rechargeable battery

- No display
- Connection of VCI to Pad through WLAN, through WLAN USB sticks, WLAN infrastructure not required here
- There is a control button on the XENTRY Diagnosis VCI. This function button is used for special use cases in the XENTRY CAN-Tool.
- The VCI does not require a power supply unit for external power supply
- VCI switches off automatically if it is not connected to a vehicle or an OBD/USB connection cable. It switches on automatically when the power supply is restored.

Table 1: XENTRY Diagnosis VCI technical data

Property	Value/range
Host interface	
Cabled	High-speed USB 2.0
Wireless WiFi USB flash drive	802.11b/g/n
Processor system	
Micro processor	Intel MX6 Solo
Cycle time	800 MHz
RAM	RAM : 512 MB DDR3 RAM
ROM	512 MB flash
Mass storage (opt.)	USB memory stick
User interface	
LEDs	5 status LEDs
Signal tone	Acoustic signal
Power supply	
From the starter battery through the diagnosis connection line or through a connected USB connection cable. Please note: The contact socket in the vehicle must be protected with a fuse of maximum 6 A/32 V.	OBD: 8 to 28 VDC; 750 mA USB: 5 VDC; 700 mA
Mechanical properties	
Dimensions	168 x 115 x 45 mm
Weight	0.41 kg
Operating temperature	-20 °C – +60 °C
Storage temperature	-40 °C – +80 °C
Air humidity at 25 °C	30% – 95%
Maximum operating altitude	4000 m
Protection class when diagnosis connection line not plugged in	IP 30
Protection class when diagnosis connection line screw-fitted to IEC60529	IP 54; category 2
Degree of soiling	2
Diagnosis connection line	
J1962 (ISO 15031-3)	26-pin; rating 28 V; CAT O
VCI certifications	
EU	
USA	
South Korea	
Russia	
Australia	
Ukraine	

Application

XENTRY Diagnosis VCI is designed for indoor use only.

- Degree of soiling 2, keep area around XENTRY Diagnosis VCI clean
- Avoid condensation, do not expose XENTRY Diagnosis VCI to rain or dampness

8.2.2 Connections and control elements on XENTRY Diagnosis VCI

The following connections and control elements are available on the XENTRY Diagnosis VCI:

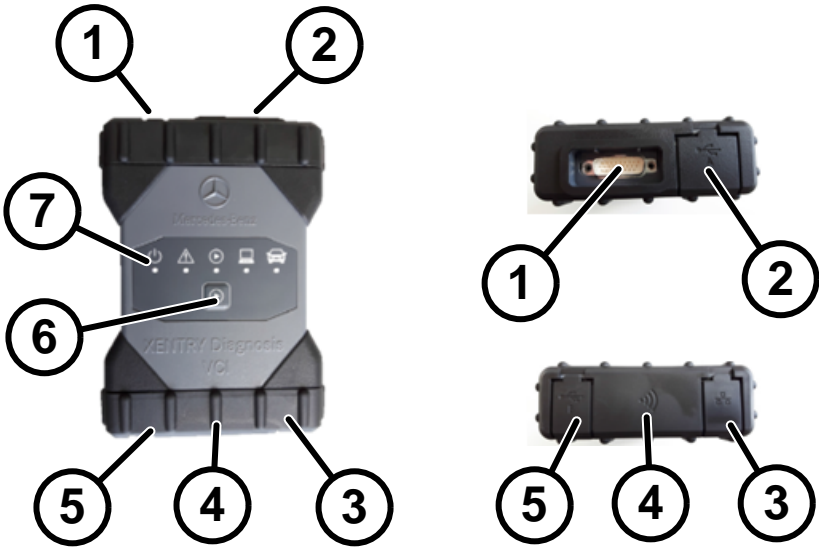


Fig. 41: XENTRY Diagnosis VCI connection

- | | | | |
|---|------------------------------------|---|----------------|
| 1 | USB port (memory stick) | 5 | USB port |
| 2 | Port for diagnosis connection line | 6 | Control button |
| 3 | Ethernet connection | 7 | LEDs |
| 4 | WLAN adapter | | |

8.2.3 Status display and control elements on XENTRY Diagnosis VCI



Fig. 42: Status display and control elements on XENTRY Diagnosis VCI

Status displays



 Fig. 43: VCI01	Indicator lamp, LED green
 Fig. 44: VCI02	Fault indicator, LED red



Fig. 45: VCI03

LED red/green/orange



Fig. 46: VCI04

Connection indicator VCI ↔ Pad, LED flashing in green



Fig. 47: VCI05

Connection indicator VCI ↔ Vehicle, LED flashing in green

Control element



Fig. 48: VCI button

There is a control button on the XENTRY Diagnosis VCI. This function button is used for special use cases in the XENTRY CAN-Tool.

9 Accessories

9.1 Optionally available accessories

Optionally available accessories are displayed during the configuration process.

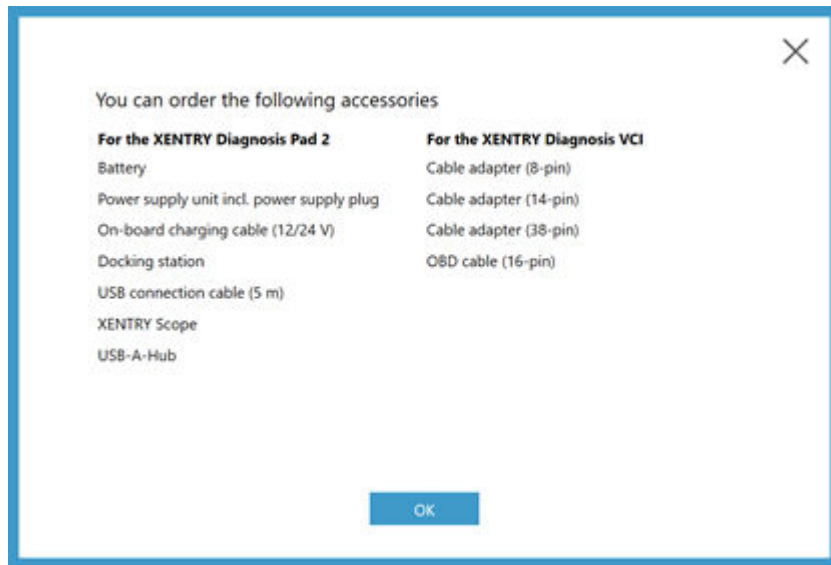


Fig. 49: Optionally available accessories

The docking station offers additional connections such as USB ports and an option for connecting a screen or projector.



Fig. 50: Docking station

9.2 XENTRY Scope measurement technology

Further information on the XENTRY Scope measurement technology is available in the XENTRY Scope documentation or in the XENTRY Scope software itself. This is already installed on your XENTRY Diagnosis Pad | Pad 2.



Fig. 51: XENTRY Scope

9.3 Injector scanner (2D handheld scanner)

The injector scanner (2D hand-held scanner) is connected to the XENTRY Diagnosis Pad | Pad 2 through a USB port. The software is installed automatically, and can be used after restarting the XENTRY Diagnosis Pad | Pad 2.

9.4 Diagnostic unit for high-voltage batteries

The diagnostic unit is connected to the XENTRY Diagnosis Pad | Pad 2 through the OBD cable. The high-voltage battery test is run through the XENTRY Diagnosis software.

9.5 SBC Flash Box

The SBC flash box is connected to the XENTRY Diagnosis Pad | Pad 2 using an RS232 USB adapter.

10 Operating tools

10.1 Update Center

Updates are controlled through the Update Center. You can open this via the "Update Center" icon in your taskbar or via the search function of your XENTRY Diagnosis system:

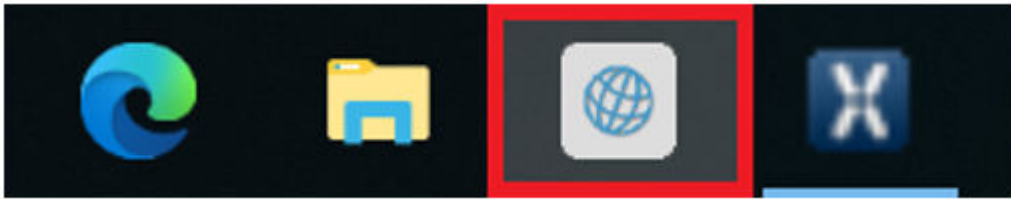


Fig. 52: Update Center icon

Update Center is used for installation of new software updates, switching between installed releases and for add-on installation and administration.

The overview in the Update Center shows the currently installed release, an available release switchover, the current update status and the most recently installed add-on.

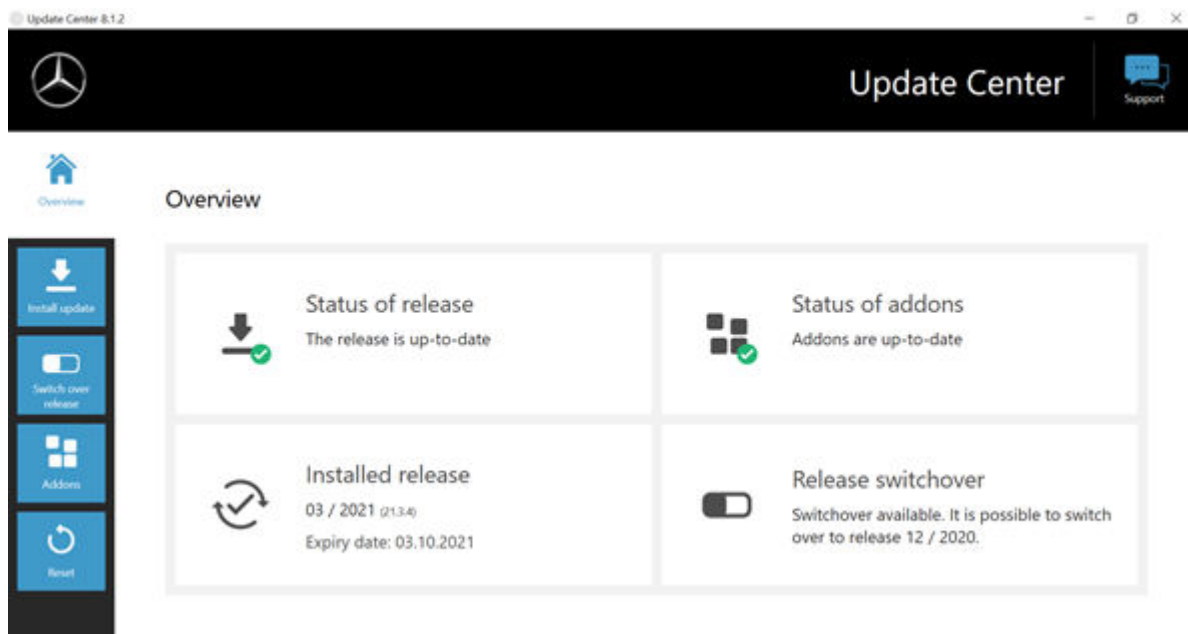


Fig. 53: Update Center main menu

10.1.1 Switch over release

Switch release is embedded into the Update Center and it enables you to switch back to a previously-installed release update.

There are two partitions on the XENTRY Diagnosis Pad | Pad 2 hard drive. If, in exceptional cases, it is necessary to switch back to the predecessor software update after installing an update, click on the "Switch Release" button in the left navigation area and then on the "Switch" button. This does not usually take longer than ten minutes.

After switching over, you can also switch back to the current software update using this button.

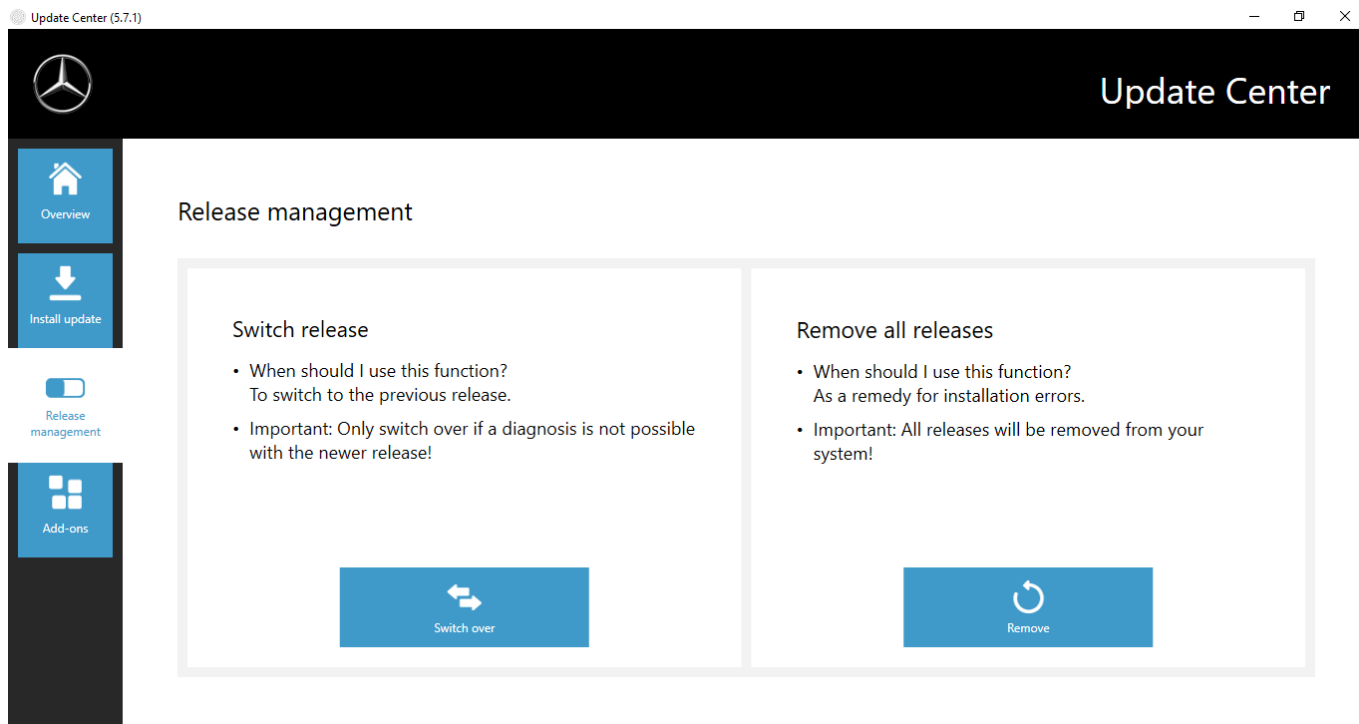
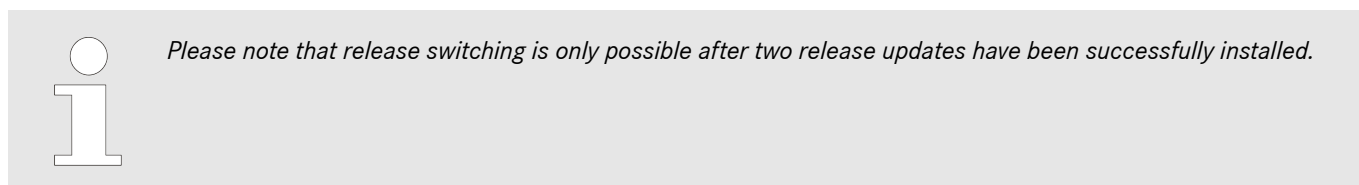


Fig. 54: Switch release in the Update Center



10.1.2 Add-ons

Add-ons are installed automatically on the XENTRY Diagnosis Pad | Pad 2. This is controlled through the Update Center. To check the current status of the installed add-ons, open the Update Center.

Click on the "Add-ons" menu item to obtain an overview of the currently installed add-ons.

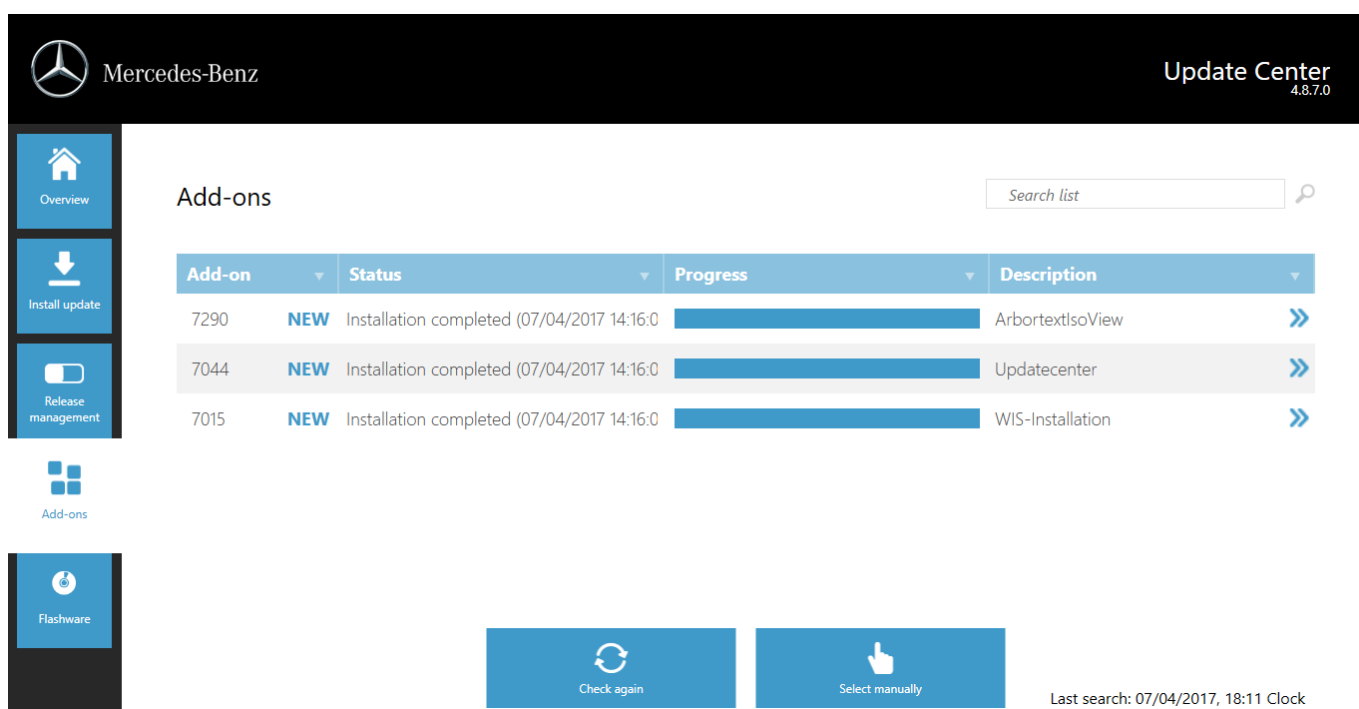


Fig. 55: Installed add-ons

More information on the Update Center is available in [Chapter 10.1 "Update Center"](#) on page 51

In principle, the Update Center continuously checks for newly available add-ons. You can start this check process yourself using the "Check again" button.

If a Support employee sends you an add-on per email, then you can copy it onto a USB flash drive then upload and install it yourself on the XENTRY Diagnosis Pad | Pad 2 using the "USB add-on installation" item.

10.2 VCI Manager

The VCI Manager is used for firmware updates and recovery of the XENTRY Diagnosis VCI. The overview under "General" shows you the connection status between the diagnostic device and the XENTRY Diagnosis VCI.



Fig. 56: VCI Manager icon

10.2.1 Launching VCI

You can use the "Call VCI" function to check the connection between XENTRY Diagnosis system and VCI or simply to determine which VCI is connected to the XENTRY Diagnosis system.



Please note that this function is only available if you have already paired the XENTRY Diagnosis system and VCI.



Note: The VCI does not have its own power supply. This means that the VCI can only be launched if it is connected to a power source. This can be via OBD cable on a vehicle or via USB cable on the XENTRY Diagnosis system.

To launch the VCI, proceed as follows:

1. ➤ Open the VCI Manager via the shortcut on the desktop of your XENTRY Diagnosis system.
2. ➤ You can see the currently paired XENTRY Diagnosis VCI on the overview page. The "Launch VCI" button is available there. Click on it
3. ➤ The paired VCI beeps.

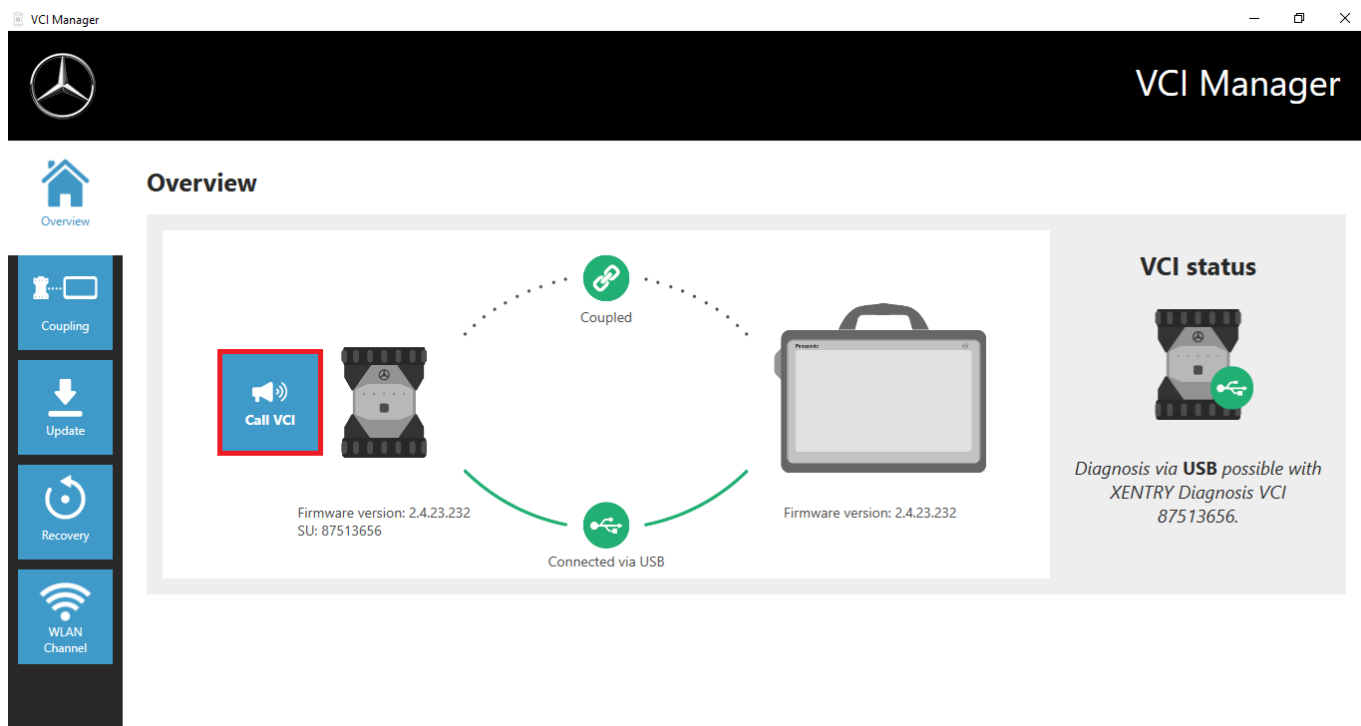


Fig. 57: Launching VCI

10.2.2 XENTRY Diagnosis VCI firmware update

Firmware update of the XENTRY Diagnosis VCI may be required after updating the XENTRY Diagnosis system. You can see this in the VCI Manager on the overview page, among other things, by a yellow exclamation mark:

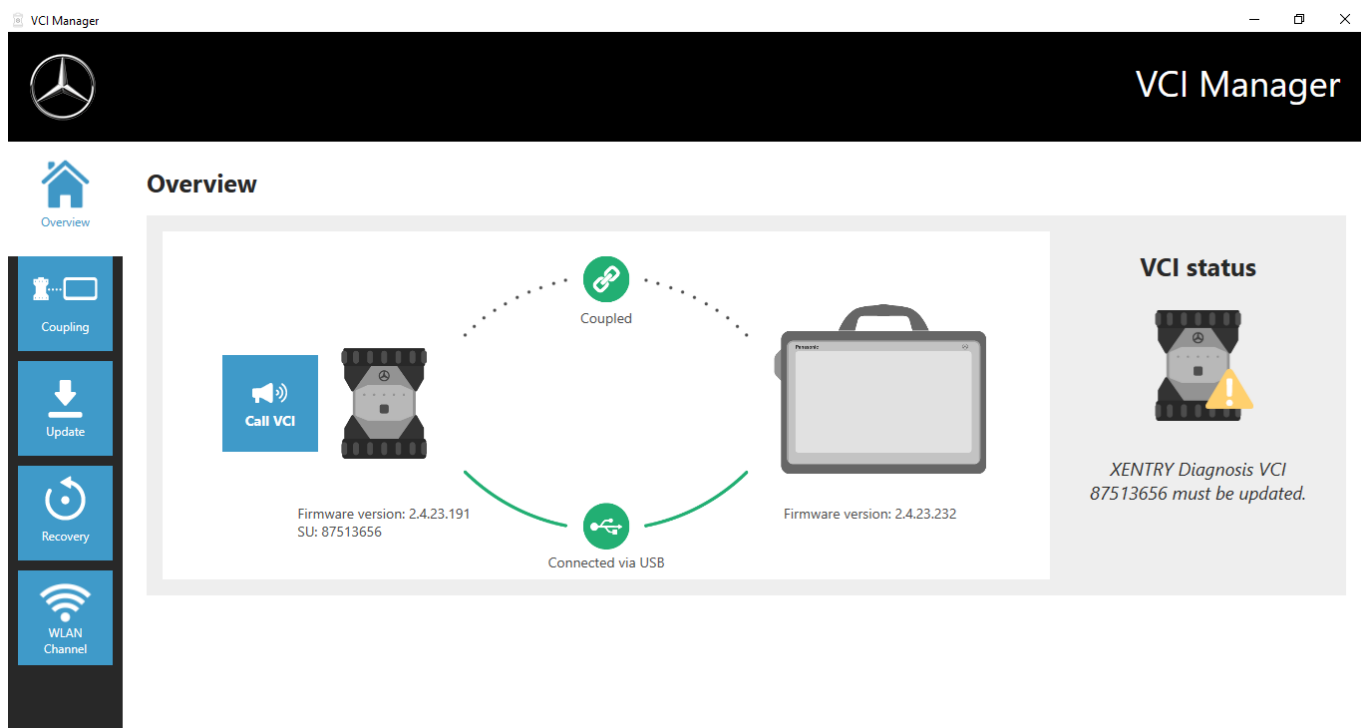


Fig. 58: Update note

1. Click on the "Update" menu item in the VCI Manager.
 - ➡ Another window opens
2. Select the "Start update" button.

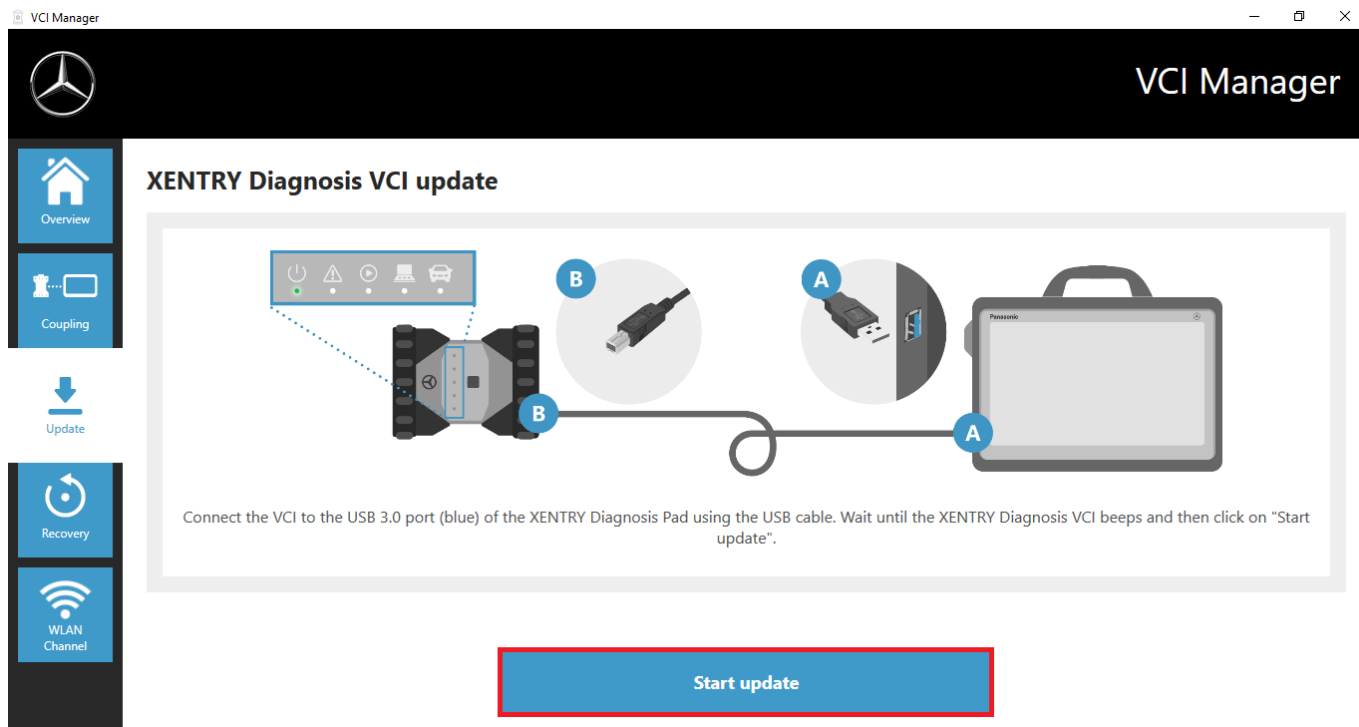
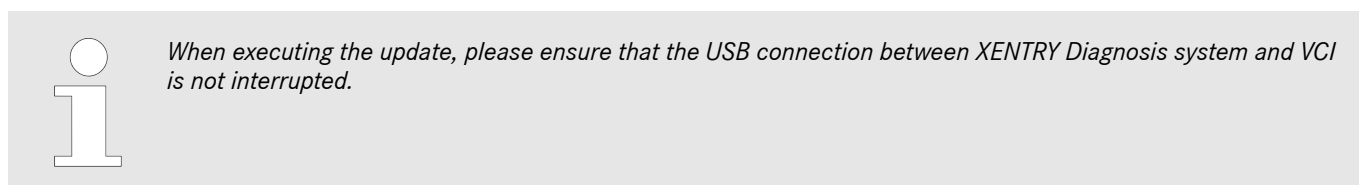


Fig. 59: Start update



After completing the update you can work with your XENTRY Diagnosis Kit 4 as usual.

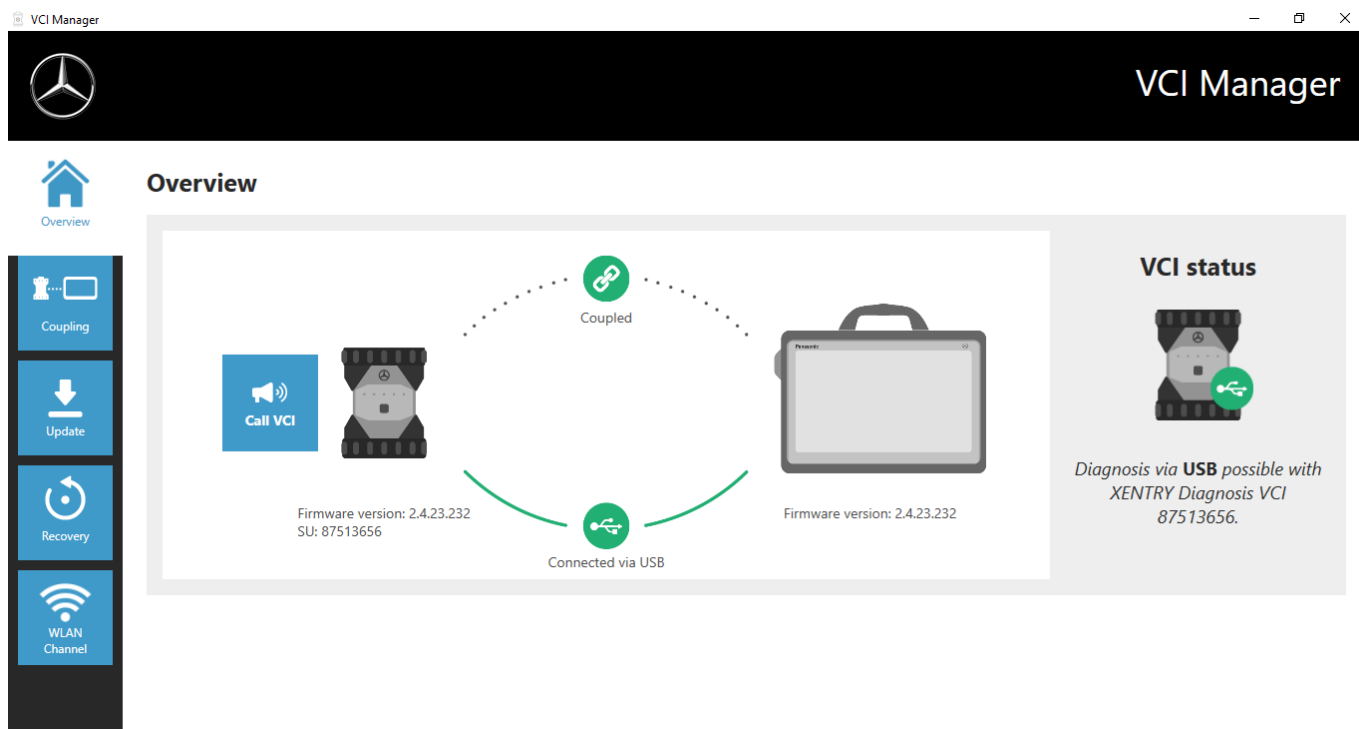


Fig. 60: Confirmation after firmware update

10.2.3 XENTRY Diagnosis VCI recovery



Recovery should only ever be performed, when explicitly requested to do so by the Diagnosis User Help Desk!

This function is used to adapt the firmware version of the XENTRY Diagnosis VCI to the corresponding firmware version of the XENTRY Diagnosis solution. This release switching function is described in [Chapter 10.1 "Update Center" on page 51](#).

Recovery is only necessary if you have switched the release on the XENTRY Diagnosis system to the preceding version and, where applicable, need to reduce the firmware version on the XENTRY Diagnosis VCI.

Proceed as follows.

1. ➤ Connect the XENTRY Diagnosis VCI to the XENTRY Diagnosis system through a USB connection cable.
2. ➤ For this, the XENTRY Diagnosis VCI must be in recovery mode. To do so, remove the rubber cover with printed WLAN symbol from XENTRY Diagnosis VCI and press the recovery button for 3 seconds.
➡ The red LED below the triangle symbol should now light up.
3. ➤ Click in VCI Manager on the "Start recovery" button

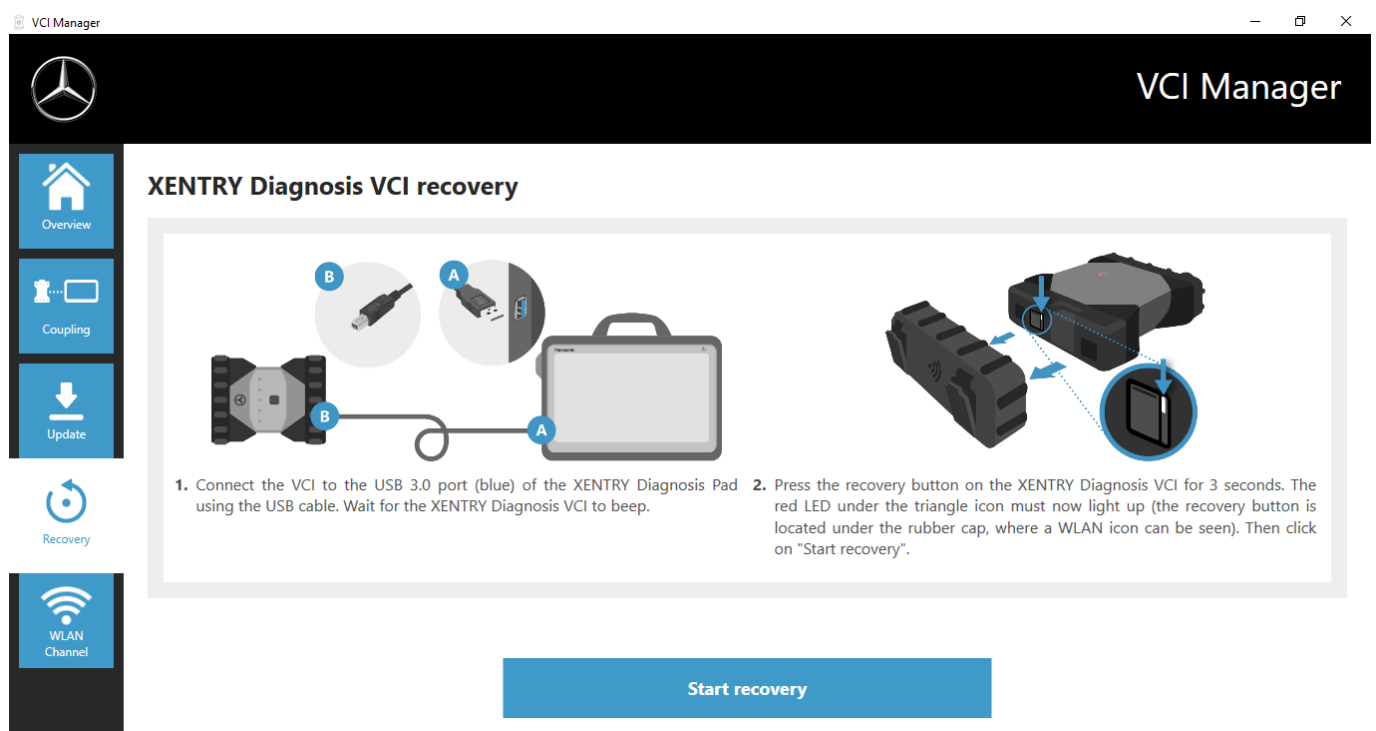


Fig. 61: Recovery of XENTRY Diagnosis VCI



Ensure that the connection between XENTRY Diagnosis system and XENTRY Diagnosis VCI is not interrupted during recovery.

10.2.4 WLAN channel

In rare cases, the WLAN channels within the workshop can interfere with each other. If this is the case, it is possible to manually configure the WLAN channel between the XENTRY Diagnosis system and VCI. Proceed as follows:

1. ➤ Choose the "WLAN channel" menu item
2. ➤ Click there on the "WLAN configuration" button
3. ➤ Follow the instructions shown

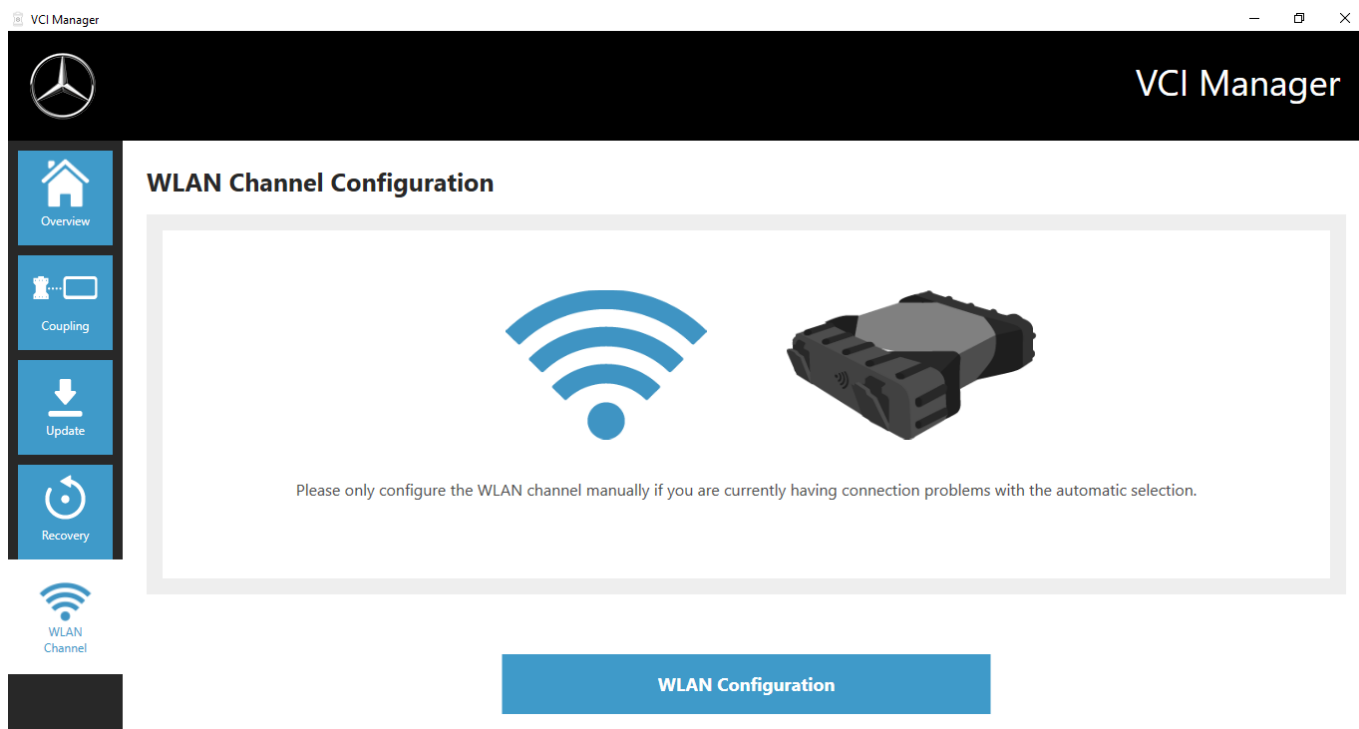










Fig. 62: Configuration of WLAN channel

10.3 VCI Monitor

The VCI Monitor shows you the connection quality between the XENTRY Diagnosis system and the XENTRY Diagnosis VCI. The following states are displayed by the "VCI Monitor" tool:

Icon	Status/cause	Description	Remedy
	VCI not paired	<ul style="list-style-type: none"> VCI not paired 	<ul style="list-style-type: none"> Pair the VCI
	VCI not accessible (via WLAN)	<ul style="list-style-type: none"> VCI is not connected through USB VCI is not visible via WLAN 	<ul style="list-style-type: none"> Supply power to the VCI
	"Pairing lost"	<ul style="list-style-type: none"> VCI is not connected through USB VCI visible via WLAN Pairing missing 	<ul style="list-style-type: none"> Connect the VCI through USB connection cable Pair the VCI through the VCI Manager
	VCI firmware older than PC software	<ul style="list-style-type: none"> Firmware of the VCI outdated 	<ul style="list-style-type: none"> Update the VCI through VCI Manager
	PC software older than VCI firmware	<ul style="list-style-type: none"> VCI is not connected through USB VCI visible via WLAN PC software outdated 	<ul style="list-style-type: none"> Downgrade the VCI firmware by carrying out the "Update" in the VCI Manager
	VCI in recovery	<ul style="list-style-type: none"> VCI connected through USB VCI in recovery mode 	<ul style="list-style-type: none"> Carry out recovery in the VCI Manager

Icon	Status/cause	Description	Remedy
	VCI in use	<ul style="list-style-type: none"> VCI in use by (another) application 	
	VCI in use via WLAN	<ul style="list-style-type: none"> VCI in use via WLAN by (another) application 	
	VCI accessible through USB	<ul style="list-style-type: none"> VCI is connected through USB connection cable 	
	VCI accessible via WLAN	<ul style="list-style-type: none"> VCI accessible via WLAN WLAN connection quality visible through bar graph 	
	WLAN adapter inoperative	<ul style="list-style-type: none"> No communication possible between VCI and Pad via WLAN 	<ul style="list-style-type: none"> Reset WLAN adapter through "Reset WLAN adapter" window or right click the status display and then click "Reset WiFi flash drive..."
	VCI in use through cable connection	<ul style="list-style-type: none"> VCI in use by (another) application 	
	Flight mode	<ul style="list-style-type: none"> WiFi stick is deactivated 	<ul style="list-style-type: none"> Deactivate flight mode Activate WiFi stick

Icon	Status/cause	Description	Remedy
	VCI overheated	<ul style="list-style-type: none"> The WiFi stick is deactivated at temperatures of more than 65 °C 	<ul style="list-style-type: none"> At temperatures up to 85 °C, use a USB connection cable. Use VCI in a cooler ambient temperature

10.4 Support Tool

You can open the Support Tool through the link on the desktop:

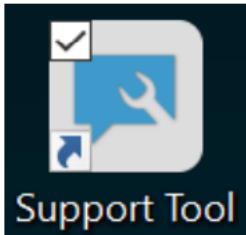


Fig. 63: Support Tool icon

After launching Support Tools, the "XSF-Ticket" is already selected. This page helps you to create an XSF ticket.

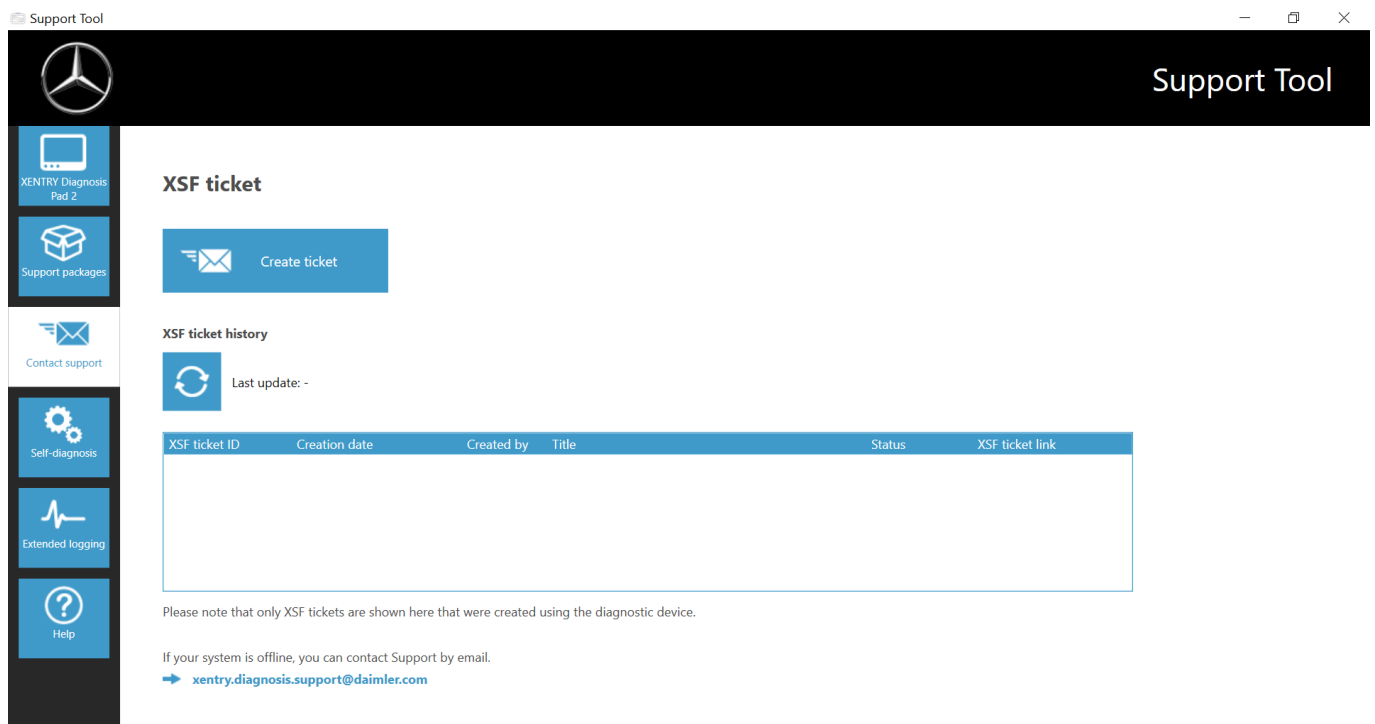


Fig. 64: Creating XSF tickets

- System information is available in the "XENTRY Diagnosis Pad 2" menu item
- The second item "Support Packages" makes it easy for you to create support packages and therefore to compile all the relevant system information for Support.
- The status of back-end server availability is listed under the "Self-diagnosis" menu item
- The Diagnosis User Help Desk may ask you to make a change to "Extended logging"; this is selected here
- You can find links to the online offer, help documents, instructions and release notes under "Help", the bottom menu item in the navigation bar.

Created support packages are available in the "Diagnosis Files" library, at the very bottom of the "Packages" area. The link for this is available on the desktop of your XENTRY Diagnosis Pad 2.

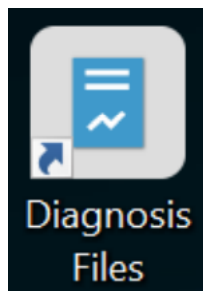


Fig. 65: "Support Files" library icon

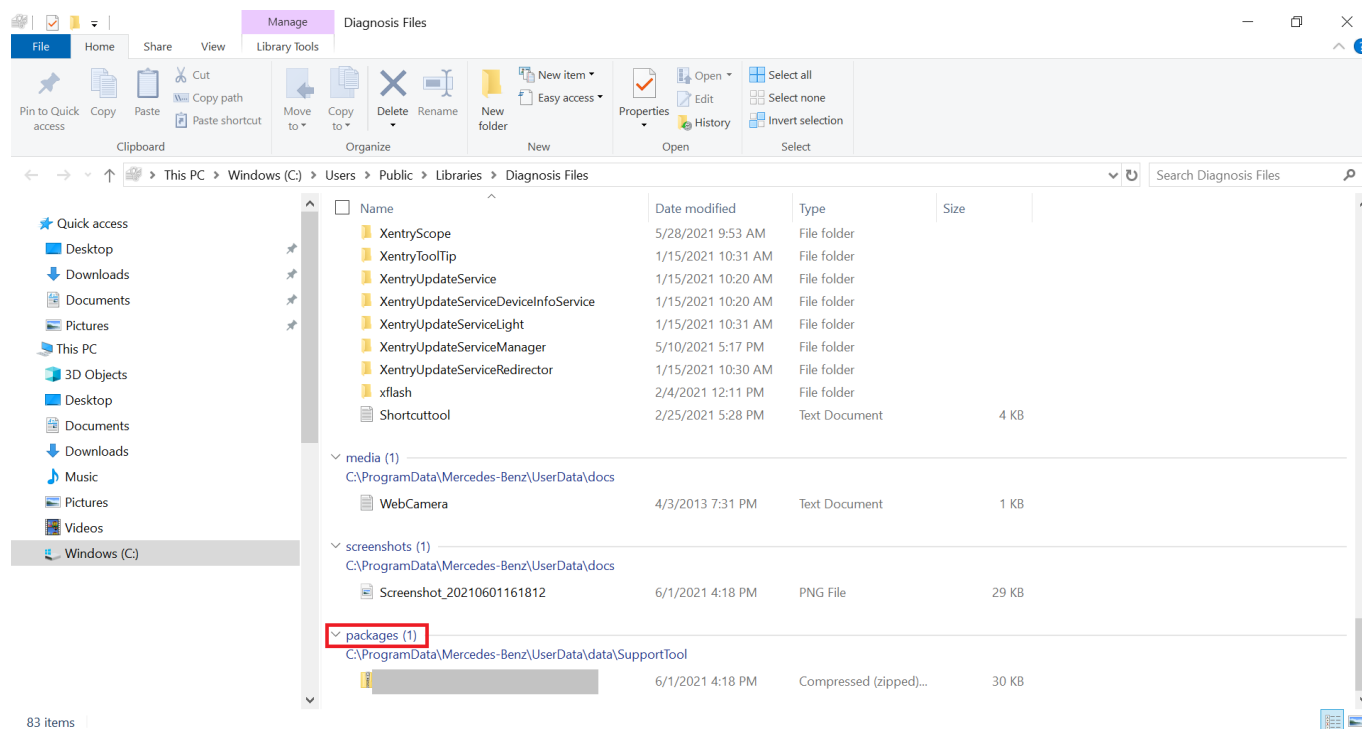


Fig. 66: Support packages storage location

11 Service & support

- To create an XSF ticket, we recommend using a tool for ticket generation. You can start this directly within the XENTRY Diagnosis Software. To do so, click on the speech bubble symbol at top right.

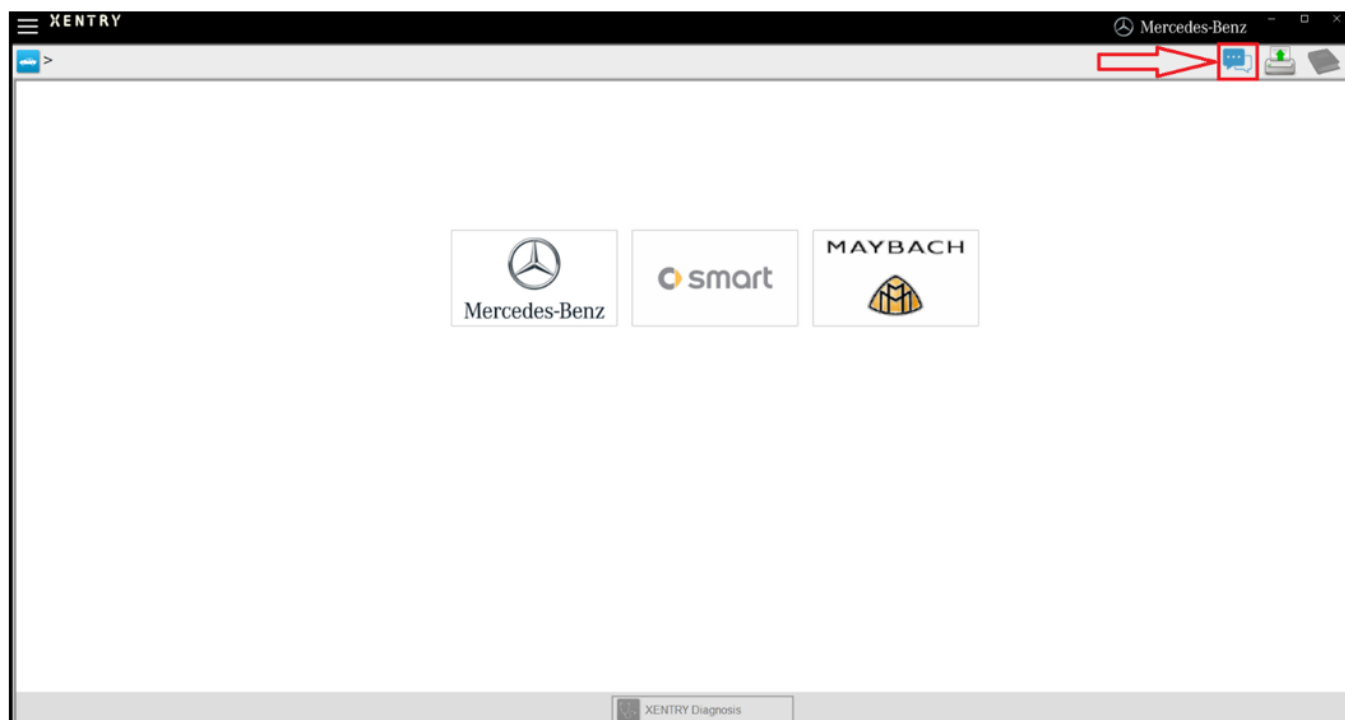


Fig. 67: Create XSF ticket in XENTRY Diagnosis

- If necessary, log on in the following window and then select the component for which you would like to create the XSF ticket.

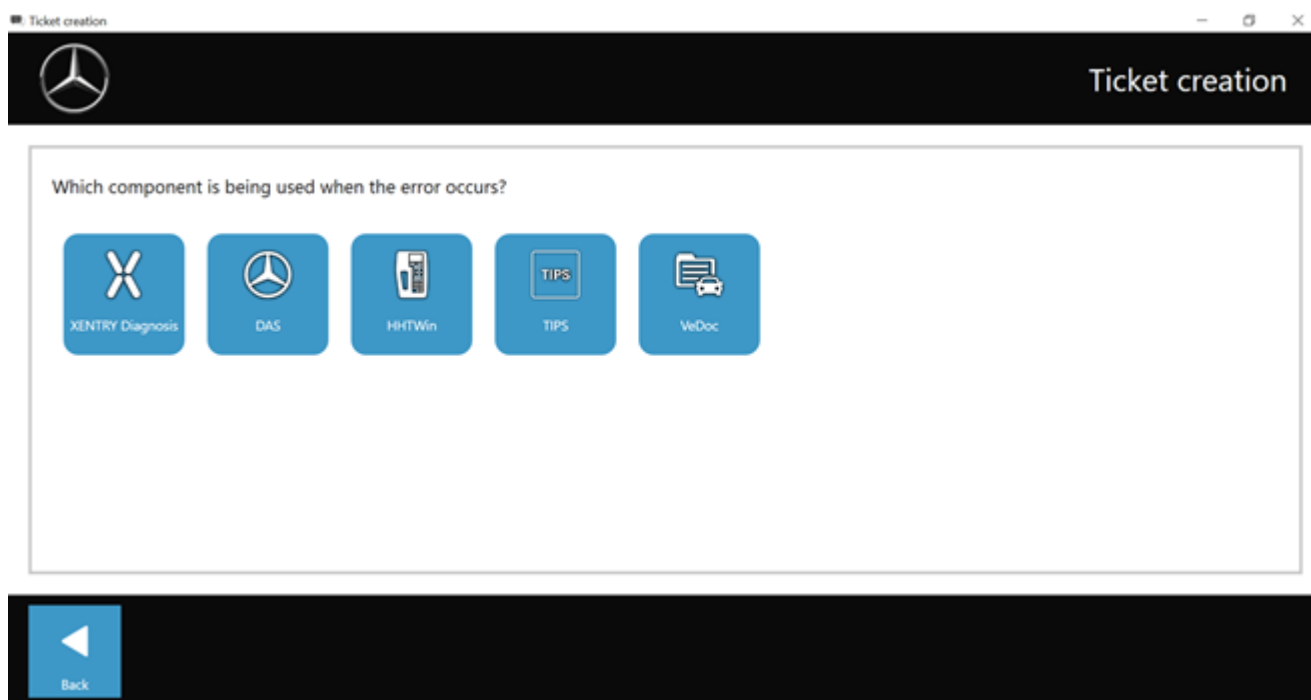


Fig. 68: XSF ticket component selection

Please answer all of the questions that you are asked during the process.

- Attach screenshots or videos. When sending the XSF ticket, the appropriate support package is created and attached automatically.

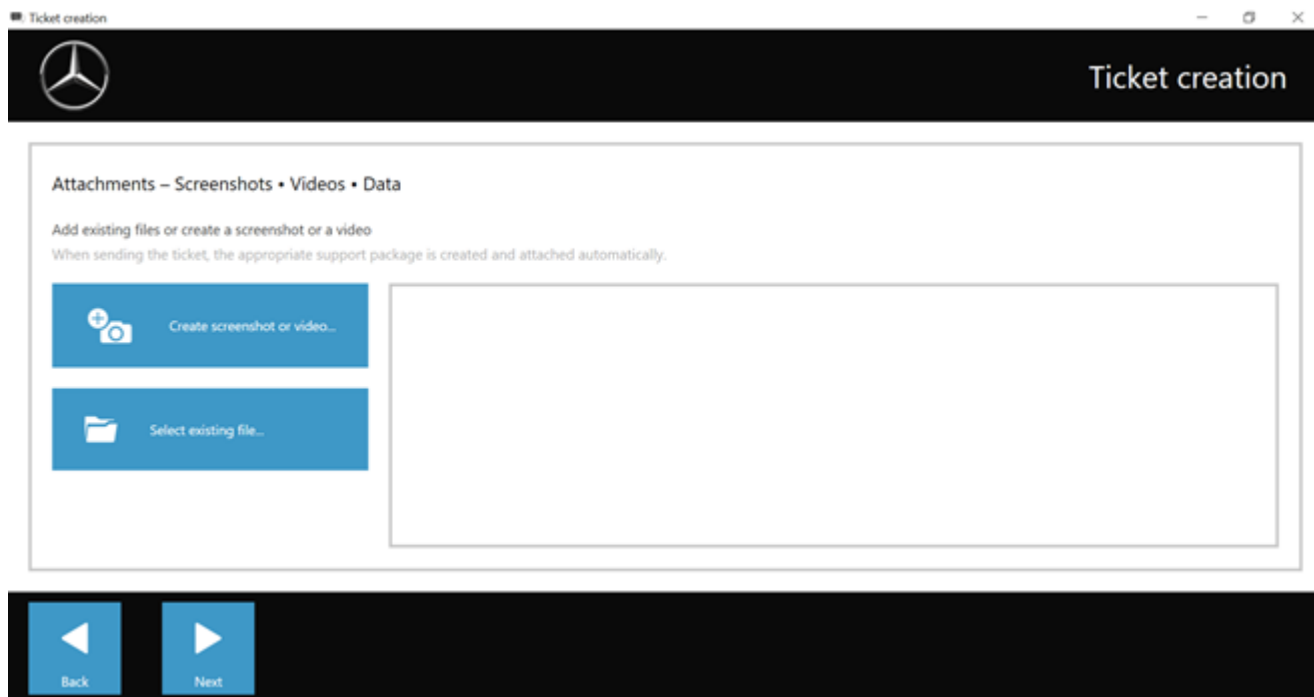


Fig. 69: XSF ticket file attachments

12 Windows 10 Licensing Policies

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WINDOWS OPERATING SYSTEM

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Except for any repair, replacement, or refund the manufacturer or installer, or Microsoft may provide, you may not under this limited warranty, under any other part of this agreement, or under any theory recover any damages or other remedy, including lost profits or direct, consequential, special, indirect, or incidental damages. The damage exclusions and remedy limitations in this agreement apply even if repair, replacement or a refund does not fully compensate you for any losses, if the manufacturer or installer, or Microsoft knew or should have known about the possibility of the damages, or if the remedy fails of its essential purpose. Some states and countries do not allow the exclusion or limitation of incidental, consequential, or other damages. So those limitations or exclusions may not apply to you. If your local law allows you to recover damages from the manufacturer or installer, or Microsoft, even though this agreement does not, you cannot recover more than you paid for the software (or up to \$50 USD if you acquired the software for no charge). **WARRANTY PROCEDURES**

For service or refund, you must provide your proof of purchase and comply with Microsoft's return policies. These may require you to uninstall the software and return it to Microsoft, or to return the software with the entire Microsoft brand device on which the software is installed; the Certificate of Authenticity (COA) label including the product key (if provided with your device) must remain affixed.

Contact the manufacturer or installer at the address or toll-free telephone number provided with your device to find out how to obtain warranty service for the software. If Microsoft is your device manufacturer or if you acquired the software from a retailer, contact Microsoft at:

1.  United States and Canada. For warranty service or information about how to obtain a refund for software acquired in the United States or Canada, contact Microsoft via telephone at (800) MICROSOFT; via mail at Microsoft Customer Service and Support, One Microsoft Way, Redmond, WA 98052-6399, USA; or visit (aka.ms/nareturns).
2.  Europe, Middle East, and Africa. If you acquired the software in Europe, the Middle East, or Africa, contact either Microsoft Ireland Operations Limited, Customer Care Centre, Atrium Building Block B, Carmenhall Road, Sandyford Industrial Estate, Dublin 18, Ireland, or the Microsoft affiliate serving your country (see aka.ms/msoffices).
3.  Australia. If you acquired the software in Australia, contact Microsoft to make a claim at 13 20 58; or Microsoft Pty Ltd, 1 Epping Road, North Ryde NSW 2113 Australia.
4.  Other countries. If you acquired the software in another country, contact the Microsoft affiliate serving your country (aka.ms/msoffices).

13 WLAN certifications

Country	XENTRY Diagnosis VCI	XENTRY Diagnosis Pad 2
Afghanistan	Not certified	Certified
Egypt	Certified	Certified
Aland Islands	Not certified	Certified
Albania	Certified	Certified
Algeria	Certified	Certified
Amer. Virgin Islands	Certified	Certified
Amer. Oceania	Certified	Certified
Andorra	Certified	Certified
Angola	Not certified	Certified
Antigua/Barbuda	Certified	Certified
Equatorial Guinea	Not certified	Certified
Argentina	Certified	Certified
Armenia	Certified	Certified
Aruba	Not certified	Certified
Azerbaijan	Certified	Certified
Ethiopia	Not certified	Certified
Austr. Oceania	Certified	Certified
Australia	Certified	Certified
Azores	Certified	Certified
Bahamas	Certified	Certified
Bahrain	Not certified	Certified
Bangladesh	Certified	Certified
Barbados	Not certified	Certified
Belgium	Certified	Certified
Belize	Not certified	Certified
Benin	Not certified	Certified
Bermuda	Certified	Certified
Bhutan	Not certified	Certified
Bolivia	Not certified	Certified
Bonaire	Not certified	Certified
Bosnia-Herzegovina	Certified	Certified
Botswana	Not certified	Certified
Brazil	Certified	Certified
Brit. Virgin Islands	Certified	Certified
Brit. Ind. Ocean Territory	Certified	Certified
Brunei	Certified	Certified
Bulgaria	Certified	Certified
Burkina Faso	Certified	Certified
Burundi	Not certified	Certified
Ceuta/Melilla	Certified	Certified
Chile	Certified	Certified
China, PR	Certified	Certified
Costa Rica	Not certified	Certified
Denmark	Certified	Certified
Dem. Republic of Congo	Not certified	Certified
Germany	Certified	Certified
Dominica	Certified	Certified
Dominican Republic	Certified	Certified
Djibouti	Not certified	Certified
Ecuador	Not certified	Certified
El Salvador	Certified	Certified

Country	XENTRY Diagnosis VCI	XENTRY Diagnosis Pad 2
Cote d'Ivoire (Ivory Coast)	Not certified	Certified
Eritrea	Not certified	Certified
Estonia	Certified	Certified
Falkland Islands	Certified	Certified
Faroe Islands	Not certified	Certified
Fiji	Not certified	Certified
Finland	Certified	Certified
France	Certified	Certified
French Polynesia	Certified	Certified
French Guiana	Certified	Certified
Gabon	Certified	Certified
Gambia	Not certified	Certified
Georgia	Certified	Certified
Ghana	Certified	Certified
Gibraltar	Certified	Certified
Grenada	Certified	Certified
Greece	Certified	Certified
Greenland	Certified	Certified
Great Britain	Certified	Certified
Guadeloupe	Not certified	Certified
Guatemala	Not certified	Certified
Guernsey	Certified	Certified
Republic of Guinea	Not certified	Certified
Guinea-Bissau	Not certified	Certified
Republic of Guyana	Not certified	Certified
Haiti	Not certified	Certified
Honduras	Not certified	Certified
Hong Kong	Certified	Certified
India	Certified	Certified
Indonesia	Certified	Certified
Iraq	Not certified	Certified
Iran	Not certified	Not certified
Ireland	Certified	Certified
Iceland	Certified	Certified
Isle of Man	Certified	Certified
Israel	Certified	Certified
Italy	Certified	Certified
Jamaica	Not certified	Certified
Japan	Certified	Certified
Yemen	Certified	Certified
Jersey	Certified	Certified
Jordan	Certified	Certified
Cayman Islands	Certified	Certified
Cambodia	Not certified	Certified
Cameroon	Not certified	Certified
Canada	Certified	Certified
Canary Islands	Certified	Certified
Cape Verde	Certified	Certified
Kazakhstan	Certified	Certified
Qatar	Certified	Certified
Kenya	Certified	Certified
Kyrgyzstan	Not certified	Certified
Kiribati	Not certified	Not certified

Country	XENTRY Diagnosis VCI	XENTRY Diagnosis Pad 2
Colombia	Certified	Certified
Comoros	Not certified	Certified
Congo	Not certified	Certified
Korea Rep. (South)	Certified	Certified
Korea PDR (North)	Not certified	Not certified
Croatia	Certified	Certified
Cuba	Not certified	Not certified
Kuwait	Not certified	Certified
Laos	Certified	Certified
Lesotho	Not certified	Certified
Latvia	Certified	Certified
Lebanon	Certified	Certified
Liberia	Not certified	Certified
Libya	Not certified	Certified
Liechtenstein	Certified	Certified
Lithuania	Certified	Certified
Luxembourg	Certified	Certified
Macao	Not certified	Certified
Madagascar	Not certified	Certified
Madeira	Certified	Certified
Malawi	Certified	Certified
Malaysia	Not certified	Certified
Maldives	Not certified	Certified
Mali	Not certified	Certified
Malta	Certified	Certified
Morocco	Certified	Certified
Marshall Islands	Certified	Certified
Martinique	Certified	Certified
Mauritania	Not certified	Certified
Mauritius	Not certified	Certified
Mayotte	Certified	Certified
Macedonia	Certified	Certified
Mexico	Certified	Certified
Micronesia	Certified	Certified
Moldova	Certified	Not certified
Mongolia	Certified	Certified
Montenegro	Certified	Certified
Mozambique	Not certified	Certified
Myanmar (Burma)	Not certified	Certified
Namibia	Not certified	Certified
Nauru	Not certified	Certified
Nepal	Not certified	Certified
New Caledonia	Certified	Certified
New Zeal. Oceania	Certified	Certified
New Zealand	Certified	Certified
Nicaragua	Certified	Certified
Netherlands	Certified	Certified
Niger	Not certified	Certified
Nigeria	Certified	Certified
NL Antilles - Curacao	Certified	Certified
NL Antilles - St. Maarten	Certified	Certified
Northern Cyprus	Certified	Certified
Norway	Certified	Certified

Country	XENTRY Diagnosis VCI	XENTRY Diagnosis Pad 2
Oman	Not certified	Certified
Austria	Certified	Certified
Pakistan	Certified	Certified
Palestinian territories	Not certified	Not certified
Panama	Certified	Certified
Papua New Guinea	Not certified	Certified
Paraguay	Not certified	Certified
Peru	Certified	Certified
Philippines	Certified	Certified
Pitcairn Islands	Certified	Certified
Poland	Certified	Certified
Portugal	Certified	Certified
Puerto Rico	Certified	Certified
Réunion	Certified	Certified
Rwanda	Not certified	Certified
Romania	Certified	Certified
Russia	Certified	Certified
Saint Martin (French part)	Certified	Certified
Solomon Islands	Certified	Certified
Zambia	Certified	Certified
Samoa	Not certified	Certified
Saint Barthelemy	Not certified	Certified
Sao Tome/Principe	Not certified	Certified
Saudi Arabia	Certified	Certified
Sweden	Certified	Certified
Switzerland	Certified	Certified
Senegal	Not certified	Certified
Serbia	Certified	Certified
Seychelles	Certified	Certified
Sierra Leone	Certified	Certified
Zimbabwe	Not certified	Certified
Singapore	Certified	Certified
Sint Maarten	Certified	Certified
Slovak Republic	Certified	Certified
Slovenia	Certified	Certified
Somalia	Not certified	Certified
Spain	Certified	Certified
Sri Lanka	Not certified	Certified
St. Helena	Certified	Certified
Saint Lucia	Not certified	Certified
St. Pierre	Certified	Certified
St. Vincent	Not certified	Certified
South Africa	Certified	Certified
Sudan	Not certified	Certified
South Sudan	Not certified	Certified
Suriname	Not certified	Certified
Swaziland	Not certified	Certified
Syria	Not certified	Not certified
Tajikistan	Not certified	Certified
Taiwan	Certified	Certified
Tanzania	Certified	Certified
Thailand	Not certified	Certified
Timor Leste	Not certified	Certified

Country	XENTRY Diagnosis VCI	XENTRY Diagnosis Pad 2
Togo	Not certified	Certified
Tonga	Not certified	Certified
Trinidad/Tobago	Not certified	Certified
Chad	Not certified	Certified
Czech Republic	Certified	Certified
Turkey	Certified	Certified
Tunisia	Not certified	Certified
Turkmenistan	Not certified	Certified
Turks/Caicos Islands	Certified	Certified
Tuvalu	Not certified	Certified
Uganda	Not certified	Certified
Ukraine	Certified	Certified
Hungary	Certified	Certified
Uruguay	Certified	Certified
USA	Certified	Certified
Uzbekistan	Not certified	Not certified
Vanuatu	Not certified	Not certified
Vatican	Certified	Certified
Venezuela	Not certified	Certified
United Arab Emirates	Certified	Certified
Vietnam	Not certified	Certified
Wallis/Futuna	Not certified	Certified
Belarus	Certified	Not certified
Central African Rep.	Not certified	Certified
Cyprus	Certified	Certified

14 FAQ - Frequently Asked Questions

New features of the device concept

- What is the difference between XENTRY Diagnosis Kit 3 and XENTRY Diagnosis Kit 4?
 - The device concept was retained as with XENTRY Diagnosis Kit 3. XENTRY Diagnosis Pad 2 has undergone a fundamental change.
 - The WiFi connection between XENTRY Diagnosis Pad 2 and the VCI is no longer established with two WiFi sticks, XENTRY Diagnosis Pad 2 now comes with a second WLAN card. This ensures a stable connection over lengthy distances.
 - XENTRY Diagnosis Pad 2 is equipped with a 13.3 inch, multitouch, full HD display with a brightness of 400 nits, four USB type A 3.0 ports and one USB type C port
- What is fundamentally new in XENTRY Diagnosis Kit 4?
 - Fundamentally new features are the 13.3 inch, multitouch, full HD display,
 - a second WLAN card has also been installed, which ensures a stable connection over lengthy distances between the XENTRY Diagnosis Pad 2 and the VCI.
- Which connections does the XENTRY Diagnosis Pad 2 have?
 - XENTRY Diagnosis Pad 2 comes with four USB type A 3.0 ports and one USB type C port

Initial startup

- What do I have to note when commissioning XENTRY Diagnosis Kit 4?
 - Commissioning XENTRY Diagnosis Kit 4 is done in the same manner as previously used with XENTRY Diagnosis Kit 3, using ConfigAssist. This starts automatically when commissioning for the first time and takes you through the commissioning procedure. You can start it at any given time by clicking on the icon again on the desktop.
- How long does the commissioning procedure for XENTRY Diagnosis Kit 4 take?
 - Usually, the initial commissioning procedure takes less than 15 minutes.

Operation

- Can I use the docking station for XENTRY Diagnosis Kit 3 for XENTRY Diagnosis Kit 4 too?
 - XENTRY Diagnosis Pad 2 differs fundamentally from its predecessor, XENTRY Diagnosis Pad, therefore it is not possible to use the same docking station here. Information on accessories is available in the XENTRY Portal.
- Which accessories are available for XENTRY Diagnosis Kit 4?
 - The available accessories are located centrally in a list in the XENTRY Portal.
- Why are the cable adapters in the scope of supply for XENTRY Diagnosis Kit 3 different from the usual ones?
 - Decisive here is low level of usage involved. Only around 5% of global diagnosis sessions use cable adapters. The workshops are already all equipped with the adapters, in some instances with several. The cable adapter from the scope of supply for XENTRY Diagnosis Kit 3 can still be used and it does not have to be returned at the end of the contractual term. You can use these for the XENTRY Diagnosis Kit 4. You also have the option of ordering all cable adapters separately. A list of cable adapters is available in the XENTRY Portal.

Update

- How can I update my XENTRY Diagnosis Kit 4?
 - XENTRY Diagnosis Kit 4 is updated in the usual manner through the XENTRY Update Service using Retail Data Storage.
- Is it also possible to update XENTRY Diagnosis Kit 4 using a Blu-ray disc?
 - As from the end of 2019 onwards, XENTRY diagnostic systems have been updated online only, using the XENTRY Update Service.

Network

- How can I connect XENTRY Diagnosis Pad 2 and XENTRY Diagnosis VCI to each other?

There are two ways to do this:

 - WLAN connection: As usual you can set up a direct connection per WLAN. A link must be established. This is done either during the initial setup through ConfigAssist or afterwards in the VCI Manager.
 - Cable connection: via the supplied USB connection cable.
- Which types of WLAN encryption must I use in the workshop for XENTRY Diagnosis Kit 4?

- WPA2 (recommended) and WPA
- Is there an overview of the countries certified for WLAN operation?
 - An overview of certified countries is available in the IT leaflet, you can download this from the Download area.

Ordering

- Can I exchange my existing system for the new XENTRY Diagnosis Kit 4 before the expiration of my current contract?
 - No. Lease contracts for XENTRY Diagnosis Kit 3 systems will continue to run for the agreed contractual term. A premature cancellation or exchange is not possible. When the contract expires, a renewal order can be submitted to replace the devices with the new XENTRY Diagnosis Kit 4 systems.
- Where can I order XENTRY Diagnosis Kit 4?
 - Please obtain information concerning your country's ordering process from your national representative.
- Which product variants can be ordered?
The following variants can be ordered:
 - XENTRY Diagnosis Kit 4 (consisting of XENTRY Diagnosis Pad 2 and XENTRY Diagnosis VCI)
 - XENTRY Diagnosis Kit 4 Scope (including XENTRY Scope Measurement Technology). You can also order XENTRY Scope separately.
- What is included in the initial scope of delivery for XENTRY Diagnosis Kit 4?
 - The initial scope of delivery includes the following: XENTRY Diagnosis Pad 2 with power supply unit including power supply plug, XENTRY Diagnosis VCI, USB connection cable (5 m), OBD cable (16-pin), user information and safety information. Please note that the cable adapter is no longer included in the standard scope of supply and it can be ordered individually, as required.
- Which lease/purchase schemes are available?
 - You still have the option to lease or purchase XENTRY Diagnosis Kit 4. Please apply to your country representative for details of the ordering process in your country