# W.EASY CONNECT

## Diagnostic system for trucks, buses, trailers/sub-trailers and transporters

GB Original operating instructions

WW20250107/V1.0

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WABCOWURTH

WABCO WÜRTH
W.EASY CONNECT
contact & hotline
WABCOWÜRTH
Schliffenstraße 22
74653 Künzelsau
GERMANY
WIFI
This device contain:
FCC ID: PVH0965 and IC: 5323A-0965
Prod no: WW02 000 015
Serial no: 123456 REV 1.0
Manufactured in Sweden

# W.EASY CONNECT

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# GB Contents


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# 1 Device description

## 1.1 Overview - fig. I

1. **16-pin OBD-II Plug** (SAE J1962) with integrated lighting
2. **LED light** to easier find and connect to the diagnostic socket.
3. **Multicolor LED status indicator**, shows the different status of the connection and communication
4. **Flight recorder button,** to start /stop a flight recorder session and set a measurement point while recording
5. USB-Socket

## 1.2 Device information

| | |
|---|---|
| Description: | W.EASY CONNECT |
| Item. No: | WW02000025 |
| Product description: | Vehicle communication interface for multi-brand diagnostics with W.EASY. Connection to your PC via USB, Bluetooth and WiFi. |
| Power consumption: | 6-36 V, reverse polarity protected, maximum power consumption 500 mA<br>Display voltage monitoring of the vehicle battery on the device and in the diagnostic screen |
| Dimensions: | 135 mm x 89 mm x 31mm (length x width x height) |
| Weight: | 0.580 kg including cable |
| Working temperature: | -20° to +40° C |
| Cable length: | 2,90 m |
| Connection: | ISO 15031-3 (SAE J1962) with LED lighting (2x CR1216 batteries) |
| Specification: | Buzzer, trigger button, 16-pin OBD connector, illuminated |
| Vehicle communication interfaces | 2 x HS CAN (ISO 11898-2)<br>SW CAN (SAE J2411)<br>K/L (ISO 9141-2)<br>VPW (J1850)<br>PWM (J1850)<br>RS485 (J1708)<br>TTL and SPI (analog in, 5 volts out) |
| Interfaces | Bluetooth® v4.2 - BR/EDR and Bluetooth® Low Energy (Class 2): Internal protected Bluetooth® antenna, range up to 30 meters<br>USB-C connector<br>Detachable extension cable with light<br>WLAN: 2.4 GHZ, 802.11b/g/n, range up to 400 m<br>Diagnostic connection: ISO 15031-3 (SAE J1962); 16-pin connector with integrated LED light<br>Connection of older adapter cables (vehicle-specific) to the 16-pin OBD connector |

## 1.3 Device operation

The W.EASY CONNECT diagnostics interface works as a communication interface between the W.EASY software and the vehicle being diagnosed. The interface is connected to the vehicle through an OBD-II plug. USB, Bluetooth or WiFi is used to connect the W.EASY CONNECT to a PC. The W.EASY application software, further described in chapter 4, is used to operate the device and run diagnostic tests of the vehicle.

To disconnect the W.EASY CONNECT from the vehicle just unplug the OBD-II plug.

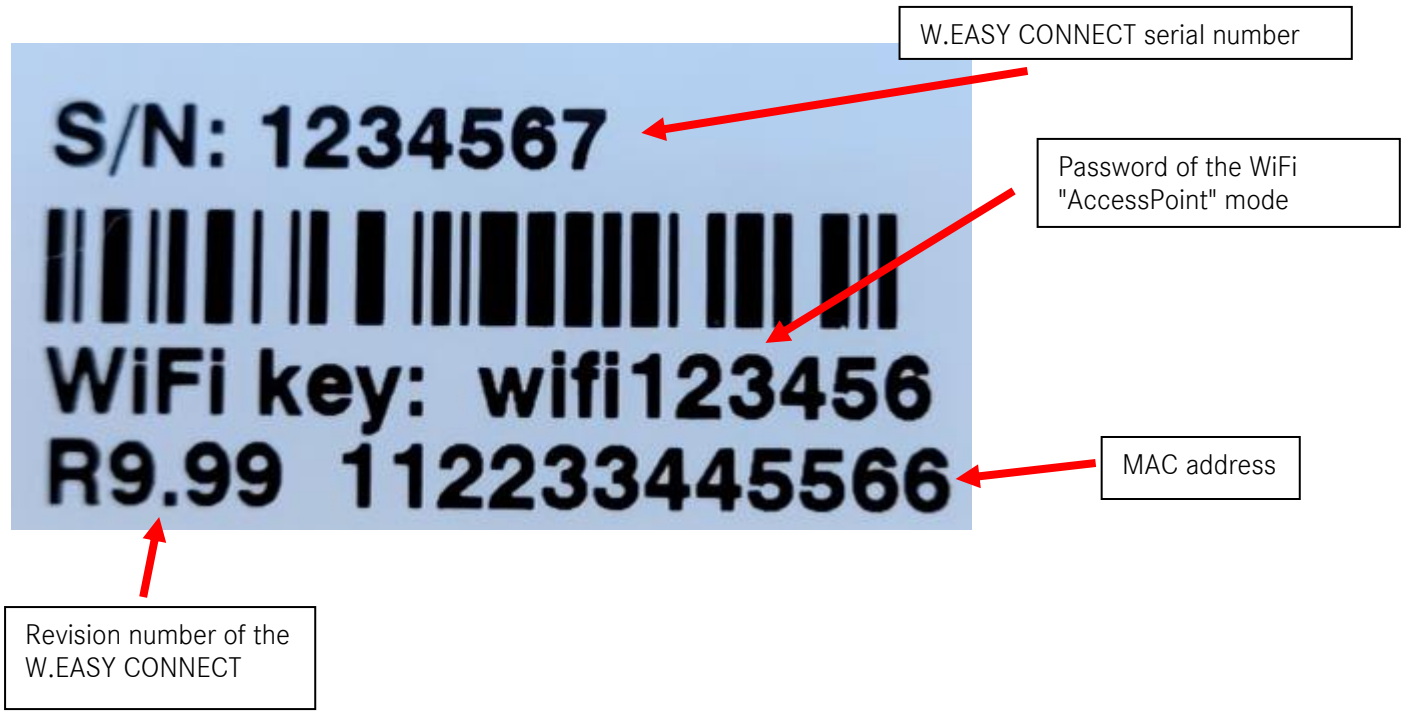
## 1.4 CE conformity

The product complies with the following EU provisions:

- EMC Directive 2014/53/EU
- Low Voltage Directive 2014/35/EU
- RoHS2 Directive 2011/65/EC

## 1.5 Label

Each device has an unique polyester label with serial number, WiFi MAC address, WiFi AccessPoint password and hardware revision number.



## 1.6 Backside label

On the backside you can find a label of the device which is made out of polycarbonate. The following picture shows a blue transparent area which is covering the label from chapter 1.5 but does not influence its visibility.

Status indicator colours

- White = VCI powered but not connected
- Blue = Connection VCI - PC
- Green = Diagnostic mode VCI - Vehicle
- Yellow = Flight recorder mode
- Red = Alert

## 1.7 Requirements for the computer concerned

Note:

We recommend using computer hardware tested and approved by WABCOWÜRTH.

External devices:

The following minimum requirements apply to external devices:

| | |
|---|---|
| Processor | Min. 2 GHz / dual-core (e.g. Intel i3 or equivalent) |
| Main memory | Min. 4 GB RAM |
| Operating system | Microsoft Windows 10 64-bit or<br>Microsoft Windows 11 64-bit |
| HDD / SSD | Min. 20 GB free hard disk space |
| Interfaces | 1x USB-C socket or 1x USB 2.0 socket |
| Bluetooth | Bluetooth BT-CLASS 1, 300 m<br>Standard, 4-channel capacity (simultaneous) with original Microsoft, Widcom stack or Toshiba stack (driver) |
| Network | Internet connection absolutely necessary |
| Display | Full HD display resolution 1920 x 1080 |
| | |

Note:

Both 32-bit and 64-bit operating systems are supported, but please note that 64-bit operating systems require special treatment when installing the USB drivers.

Note

Operating system rights management

- Administrator rights (full access) required for: W.EASY installation folder
- Writing permissions required for: Windows registry file (Windows Registry).

Additional software

| | |
|---|---|
| Microsoft .NET Framework 3.5 | http://www.microsoft.com |
| Adobe Acrobat Reader | http://www.adobe.com |

# 2 For your safety

Please read these operating instructions before using the W.EASY CONNECT for the first time, and handle the equipment as per the instructions. Please retain these operating instructions for subsequent use or for the next owner.

Only use original WABCOWÜRTH accessories and replacement parts.

The device must not be used in wet or damp conditions. Do not expose the device to rain.

This device contains a lithium button/coin cell battery. A new or used battery can be cause severe internal burns and death in less than two hours if they swallowed or enters the body. Always secure the battery compartment cover. If it is not secure stops, stop the appliance, remove the battery and keep it away from children. If you believe that batteries have been swallowed or have entered the body, seek immediate medical attention.

This appliance is not suitable for use in places where children may be present.

CAUTION!
Using the wrong type of battery can result in a fire or explosion hazard.

## 2.1 Proper use

The W.EASY CONNECT diagnostic interface works as a communication interface between the W.EASY software and the vehicle being diagnosed.

Use of the W.EASY CONNECT is only permitted in combination with the W.EASY or WOW! software. Any other usage is not permitted and can result in the device being destroyed. Improper use of the W.EASY CONNECT will result in the immediate termination of any guarantee or warranty claims by the user against the manufacturer.

# 3 General information

## 3.1 Warranty

The W.EASY CONNECT diagnostic interface must be handled with appropriate care, even though the diagnostic system has been designed to be used in a workshop environment (impact, shock, vibrations, dust). The W.EASY diagnostics system (incl. W.EASY CONNECT) comes with a warranty in accordance with statutory/country-specific requirements from the date of purchase (as verified by receipt or delivery note). Existing damage will be resolved by means of replacement or repair. Damage caused by improper use will be excluded from the warranty. Claims can only be acknowledged if the diagnostics system is handed over, intact, to an authorized WABCOWÜRTH customer service center.

You can find details on our website at

https://www.wabcowuerth.com/de/wabcowuerth/agb.php

# 4 Initial start-up

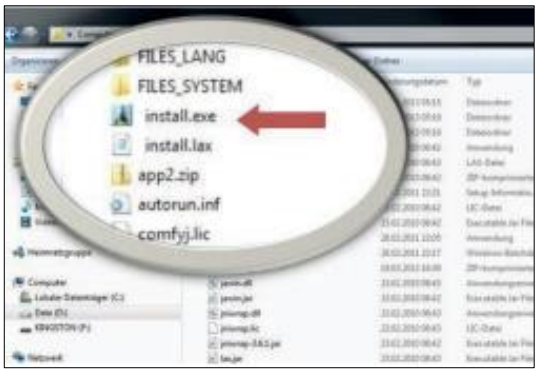
Note

**W.EASY systems**, which include a display unit (computer, tablet), have already been configured, registered and enabled for you. You therefore do not have to select any further settings.

Please only use W.EASY once you have had a briefing with a WABCOWÜRTH employee or an authorized WABCOWÜRTH contact.

## 4.1 W.EASY installation

- Open the downloaded ISO-file by **double-clicking on it**
- Start the installation **by double-clicking** on the "**install.exe**" file.




LANGUAGE SELECTION INSTALLATION MENU

- Select the desired language in which you want to display the following installation menus
- Confirm by clicking "**Ok**"
- Follow the further instructions of the guided installation

Select INSTALLATION TYPE

- In the "Installation type" step, select the **Full installation** (Vollinstallation) option

## Select a FOLDER

The default installation folder for the W.EASY software is :

- Click "**...**" to select another folder for the installation.
- Click "**Next**" (Weiter) to continue the installation.

## Select LANGUAGE for W.EASY

- In the next step, select the language in which the W.EASY software is to be installed.
- Click "**Next**" (Weiter) to continue with the installation.
- Below you will find an overview of the decisions you have made
- Click "**Next**" (Weiter) to start the copying process

## Complete INSTALLATION

- As soon as the copying process is complete, you can initiate the installation by clicking "**Done**" (Fertig). (the installation wizard closes automatically)
- The W.EASY application starts automatically in installation mode

The setup wizard indicates the completion of setup with "**Done**" (Fertig).

- Click "**Done**"(Fertig) to complete the installation

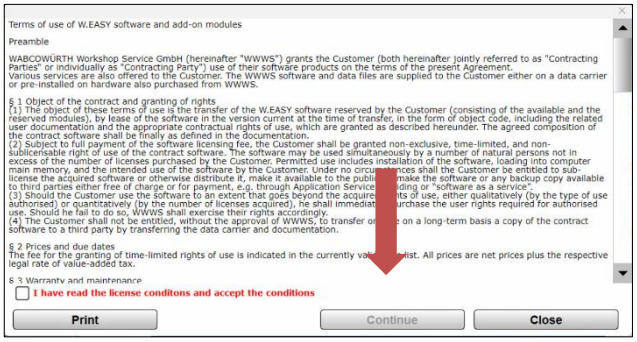
The W.EASY software is now fully installed and ready to use.

## 4.2 Start-up and registration of the W.EASY software

### Accept the TERMS OF THE USER LICENSE AGREEMENTS

When you start the W.EASY software for the first time, a window opens with the user and license agreements. Confirm acceptance.

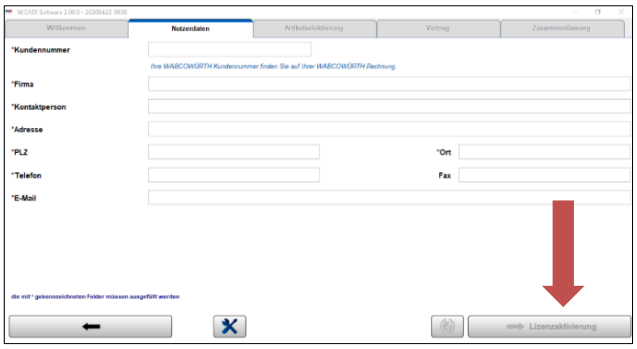
- Confirm that you have read and understood the terms by clicking on the checkbox.
- Continue by clicking on "**Continue**".




### Entering the COMPANY DETAILS

Then, select the menu item "Company Details" (Firmendaten) and enter your contact details and customer number.

The fields marked with * are mandatory.

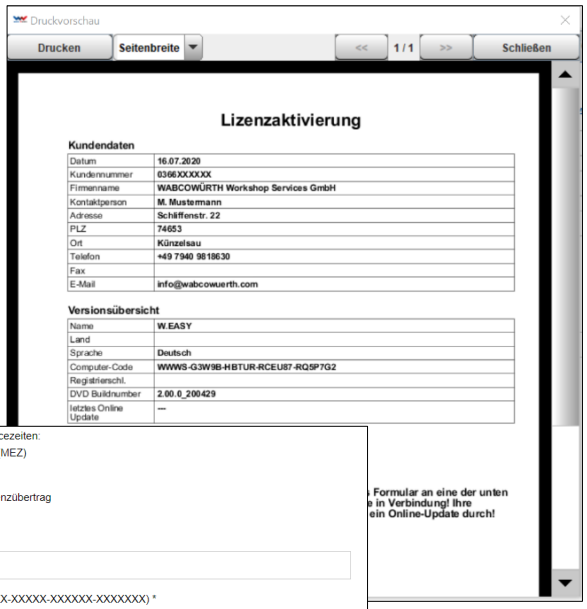


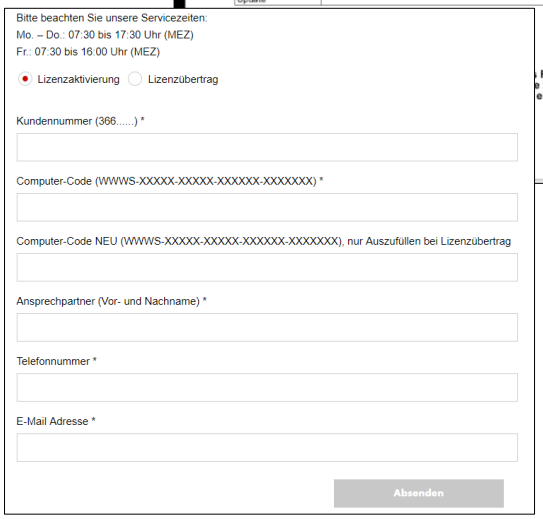

### Request LICENSE ACTIVATION

- Click on "**License activation**" (Lizenzaktivierung) to continue
- You will now receive an overview with all the information you need (see image) to request activation.

There are two possibilities:

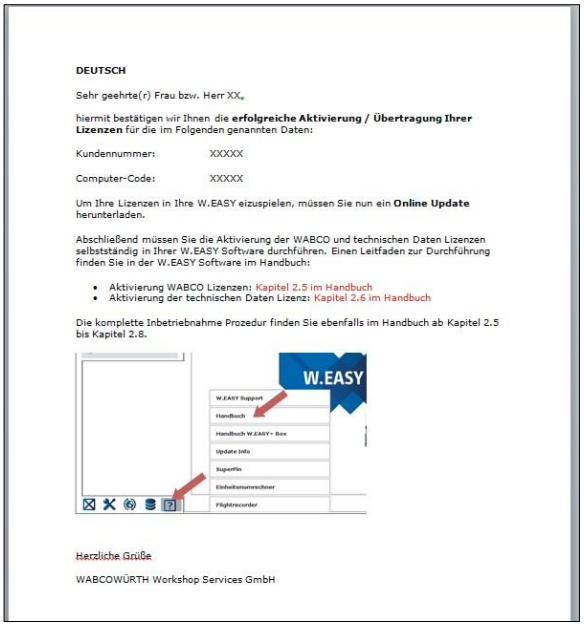
- **E-Mail:**
  - Send the "License activation" document to info@wabcowuerth.com
- **Online:**
  - Go to our website WWW.WABCOWUERTH.COM
  - Open the menu item SERVICE → LICENSE ACTIVATION
  - Fill out the form completely and submit it online



CONFIRMATION MESSAGE OF LICENSE ACTIVATION

After your license activation request has been processed by our customer service, you will receive a confirmation e-mail and a guide on how to proceed.



DEUTSCH

Sehr geehrte(r) Frau bzw. Herr XX,

hiermit bestätigen wir Ihnen die **erfolgreiche Aktivierung / Übertragung Ihrer Lizenzen** für die im Folgenden genannten Daten:

Kundennummer: XXXXX

Computer-Code: XXXXX

Um Ihre Lizenzen in Ihre W.EASY einzuspielen, müssen Sie nun ein **Online Update** herunterladen.

Abschließend müssen Sie die Aktivierung der WABCO und technischen Daten Lizenzen selbstständig in Ihrer W.EASY Software durchführen. Einen Leitfaden zur Durchführung finden Sie in der W.EASY Software im Handbuch:

- Aktivierung WABCO Lizenzen: Kapitel 2.5 im Handbuch
- Aktivierung der technischen Daten Lizenz: Kapitel 2.6 im Handbuch

Die komplette Inbetriebnahme Prozedur finden Sie ebenfalls im Handbuch ab Kapitel 2.5 bis Kapitel 2.8.

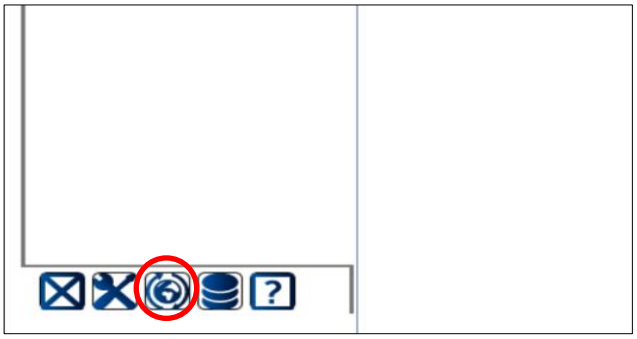


Herzliche Grüße

WABCOWÜRTH Workshop Services GmbH

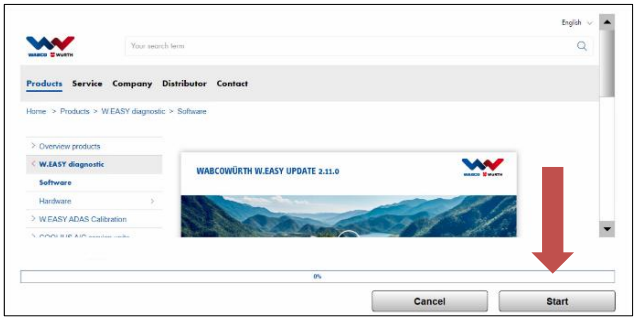
## 4.2.1 Updating the software using "Online Update"

The W.EASY software has a simple mechanism for keeping your installation up to date and importing new licenses.



- Start the online update by clicking on the "globe symbol". (see red circle)

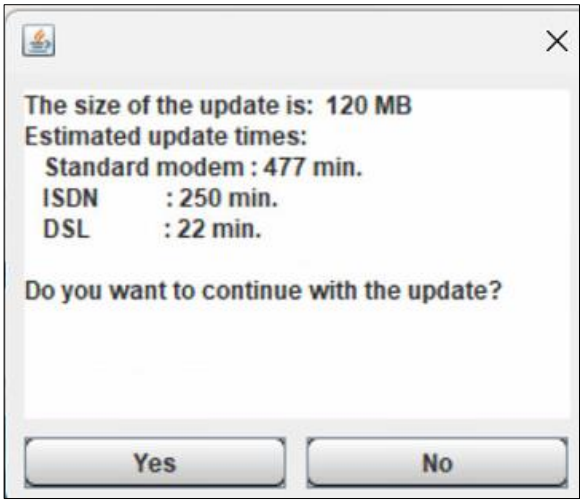
  → The online update wizard starts.




- Confirm with "**Start**" to establish a connection with the WABCOWÜRTH server.

  →The current version of the installed application is then identified and a local error check is carried out.

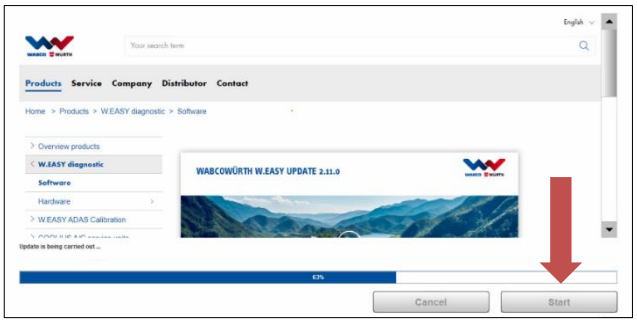
→ If the available updates have a data volume of more than 5 MB, an information message is displayed indicating the volume of data to be transferred




- Click on the "**Yes**" button to continue with the update.

After the data has been downloaded, the application **must** be restarted so that the setup wizard can import the data.

- Confirm the message with "**Yes**".

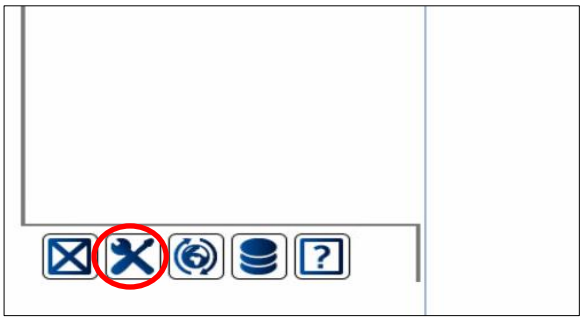



- The software then starts automatically in update mode.
- Confirm by clicking the "Done" button, once this button is enabled.

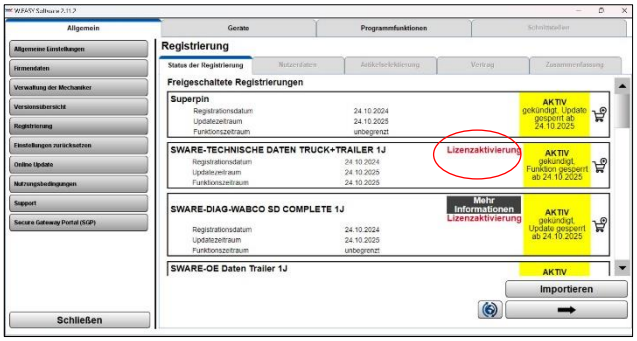
## 4.2.2 Activating the technical data package

☑ For the rest of the procedure, an internet connection is essential!

- Start the W.EASY software
- Click on the Settings button (see red circle) and then on License Manager



- Scroll down to the "SWARE - TECHNICAL DATA" in the license management window.
- Click on the **"License activation" (Lizenzaktivierung)** link there.




→ A window opens for selecting the type of activation

- Check that you have an internet connection
- Select the **"Automatic activation" (automatische Aktivierung)** option.

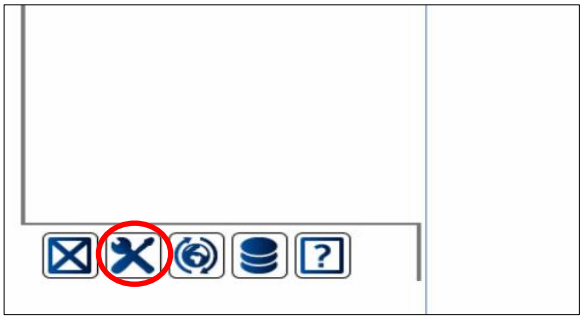
→ Online activation then takes place automatically and, shortly afterwards, a message appears indicating that activation has been completed successfully.

## 4.2.3 Activating the WABCO SD licenses

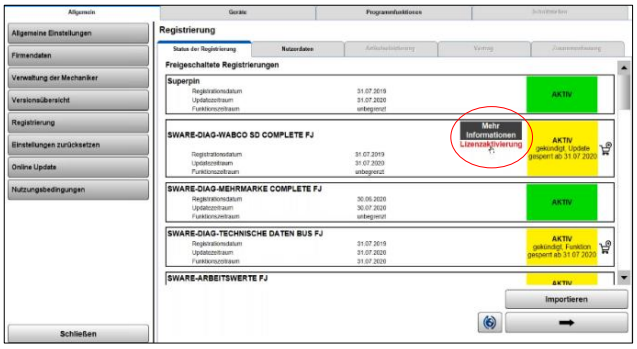
☑ For the rest of the procedure, an internet connection is essential!

The next step is to activate the WABCO SD in the license manager.

- Click on the Settings button (see red circle) and then on License Manager



- In the license menu overview screen, go to the **"SWARE DIAG WABCO SD"** entry.
  Click on the **"License activation" (Lizenzaktivierung)** link there

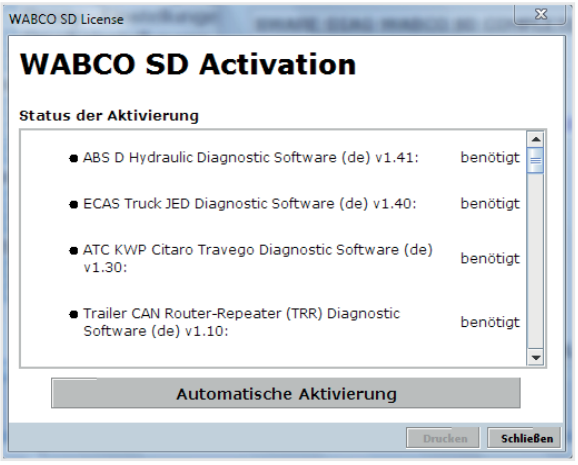



→ The software reads the current activation status of the WABCO SD elements from the software and then displays them to the user in a window.

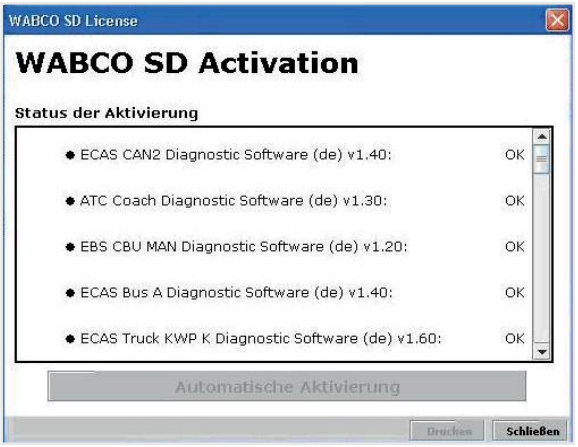
→ An indication of the current status is displayed

- Start the activation of the licenses by clicking the "**Automatic activation**" (automatische Aktivierung) button.

  → While the activation process is running, the "Activation in progress" message is displayed.




If activation is successful, the following overview screen shows that the status of the listed WABCO modules has changed from "**Required**" (**benötigt**) to "**OK**". If all modules have been successfully activated, the "**Automatic Activation**" (Automatische Aktivierung) button is greyed out.




If the activation was not successful, the lower button is not grayed out.

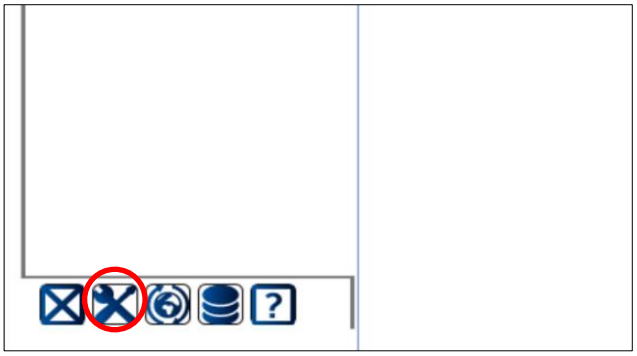
- In this case, repeat the above procedure.

## 4.3 Updating the firmware

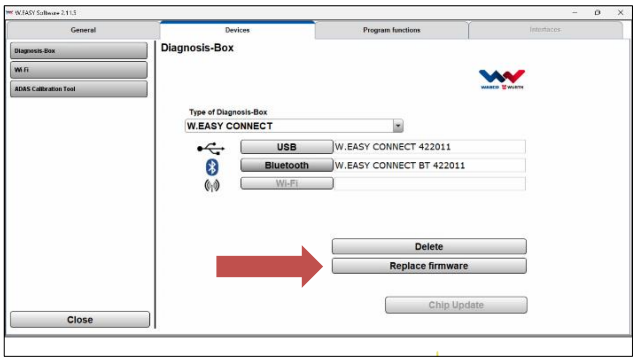
☑ For the rest of the procedure, an internet connection is essential!

No external power supply is required.

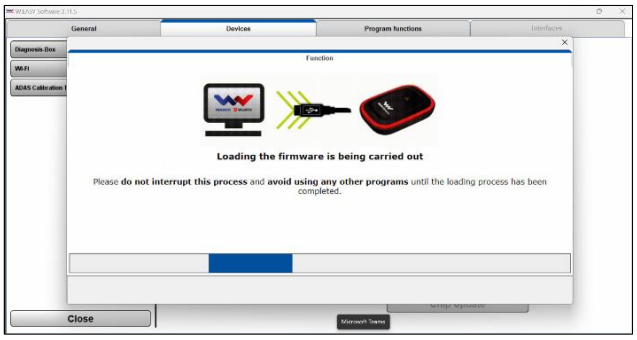
- Open the settings menu by clicking on the settings button (see red circle)



- Select the "**Diagnostic box**" menu item in the "**Devices**" tab.
- Make sure that the W.EASY CONNECT is connected to the computer with the USB-C cable.
- To update the firmware, the W.EASY CONNECT must be programmed via USB. (*see chapter 5.1*)
- Start the update by clicking on "Replace firmware"




→ The firmware is saved on the device and replaces the existing, older version




This process can take between 1 and 3 minutes, depending on the data rate of your Internet connection. During the update, the LED ring is red. After successful completion, the color changes to white or blue.

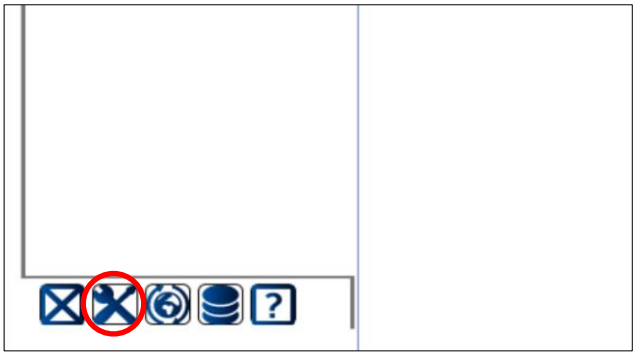
# 5 W.EASY CONNECT – communication tech-in

This section describes the W.EASY software teach-in process for communications with W.EASY CONNECT over different communication channels.

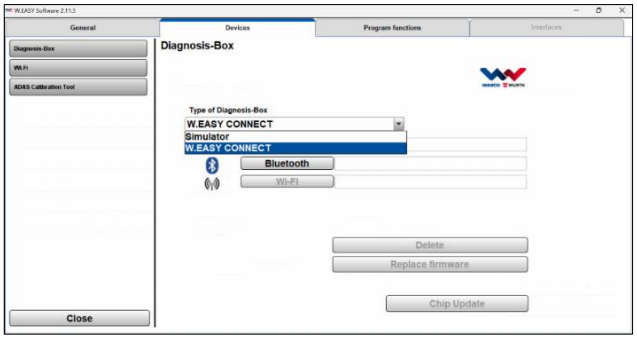
## 5.1 USB

☑ The W.EASY CONNECT must be connected to an external power source (from a vehicle or through an adapter cable) to ensure the power supply.

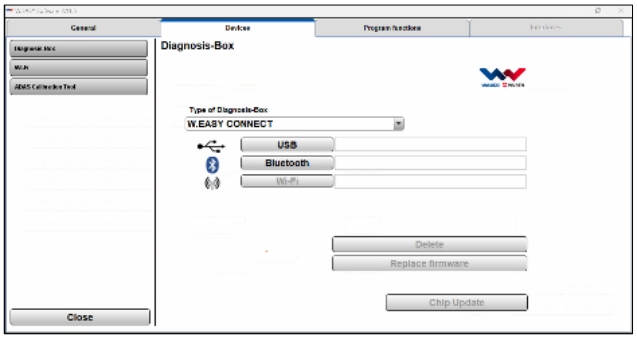
- Open the settings menu by clicking on the settings button (see red circle)



- Select the "**Diagnostic box**" menu item in the "**Devices**" tab.
- Then, select the "**W.EASY CONNECT**" connection profile.



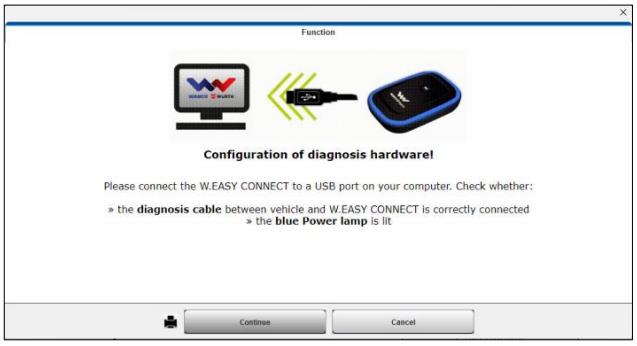

- Click to start the teach-in for your desired communication type.
  →USB
  → Bluetooth
  → WI-FI




USB COMMUNICATION

- Start the USB communication teach-in process by clicking on the "**USB**" button

☑ Follow the instructions in the window



## 5.2 Bluetooth with Windows driver

☑ The W.EASY CONNECT must be connected to an external power source (from a vehicle or through an adapter cable) to ensure the power supply.

☑ Please disconnect the USB cable between W.EASY CONNECT and your computer!

▶ Start the Bluetooth communication teach-in process by clicking on the "**Bluetooth**" button

→ A search is made for any Bluetooth devices within range.

→ The Bluetooth connection to the W.EASY CONNECT should now be displayed and identified as "W.EASY CONNECT + BT_Serial number", as shown in the following illustration.

If the identifier "W.EASY CONNECT + BT_Serial number" is not found, please check the following

- Click on "Search" (Suche) again
- Are you using the Microsoft Bluetooth driver?

☑ If another Bluetooth stack is being used, please run the teach-in for W.EASY CONNECT in the corresponding Bluetooth software, then select the assigned COM port here!

- Is the W.EASY CONNECT connected to an external power source (from a vehicle or through an adapter cable)?

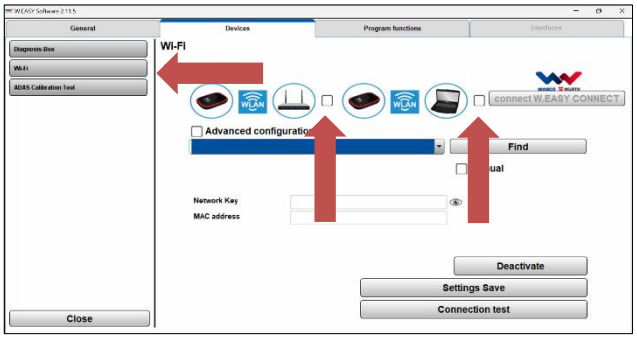
▶ Click "OK" to continue the teach-in process

## 5.3 WIFI

☑ The WIFI module must be configured before starting the WIFI communication process! See "WIFI Configuration of W.EASY CONNECT"

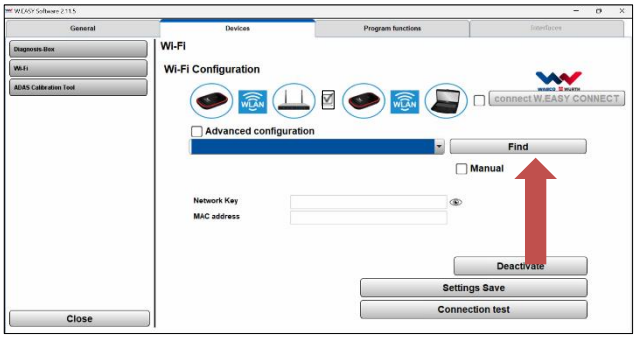
☑ The W.EASY CONNECT must be connected to an external power source (from a vehicle or through an adapter cable) to ensure the power supply.

To read out the configuration of the WiFi module, the device must be connected via USB!




<u>WIFI configuration of the W.EASY CONNECT</u>

▶ Start with the WLAN configuration in the "**Wi-Fi**" menu item by selecting the desired connection option and selecting "Connect W.EASY CONNECT".




- Using the “Find” button, locate existing networks and select the appropriate one. You can also do this manually.

- Enter the WIFI network key in the field provided and then save the settings by clicking on “Settings Save”

→The data is then transferred to the device.

▶ Now start the WLAN communication teach-in process by clicking "Next" (Weiter)

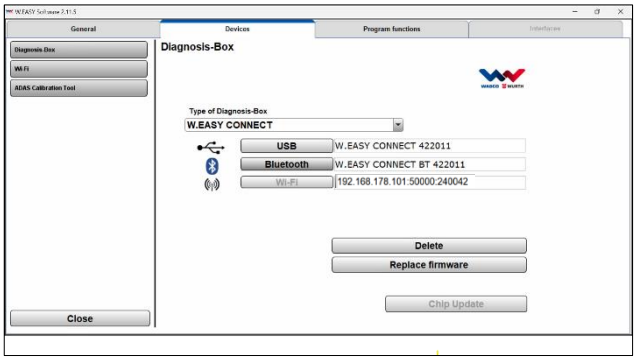
→ The connection to the device is established and the settings are checked.

- Then switch back to the "**Diagnostic box**" menu item and complete the teach-in process by clicking on the "**Wi-Fi**" button

☑ **Follow the instructions in the window**

- The IP address of W.EASY CONNECT should now appear as shown in the following image.

- All connection options are now set.




The configuration set up will be saved in future and does not need to be carried out again.

If the WIFI communication or the IP address of the W.EASY CONNECT is not detected, please check the following

→ Has WIFI been configured correctly?

→ Click on "Find" again

→ Does the LED ring on the W.EASY CONNECT light up white?

- Check the WIFI configuration
- Computer connected to the **same** 2.4 GHz WIFI network as the W.EASY CONNECT
- If necessary, assign a static IP address to the W.EASY CONNECT in your WLAN network with activated DHCP server, as:
  - If there are too many WIFI devices in a WIFI network with DHCP enabled, the original IP address of the W.EASY CONNECT may be changed.
  - If the lease time is set too low and/or elapses, the original IP address of W.EASY CONNECT may be changed

→ Mode 2 - Is your computer connected to the WIFI network of the W.EASY CONNECT?

→ Is the W.EASY CONNECT connected to an external power source (from a vehicle or through an adapter cable)?

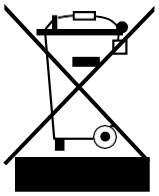
# 6 FAQ - troubleshooting

**What should I do if Bluetooth communication isn't working after the W.EASY software teach-in?**

The W.EASY CONNECT must then also be set up in the Windows Bluetooth environment.

*See "Bluetooth with Windows driver page 16"*

# 7 Disposal



Power tools, accessories and packaging should be recycled in an environmentally friendly manner.

**Only for EU countries:**

**Do not place power tools in your household waste!**

In accordance with European Directive 2012/19/EU on waste electrical and electronic equipment and its transposition into national law, power tools no longer suitable for use must be collected separately and recycled in an environmentally friendly manner.

**Batteries:**

Do not place batteries in household waste, fire or water. Batteries must be collected, recycled or disposed of in an environmentally friendly manner

**Only for EU countries:**

In accordance with Directive 2006/66/EG, defective or used batteries must be recycled. In Germany, batteries no longer suitable for use can be returned to the manufacturer to be recycled

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