

DIAGNOSTIC INTERFACE 3

SYSTEM DESCRIPTION



WABCO

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Version 1 (11.2018)
815 010 259 3 (en)

This publication is not subject to an updating service.
You will find the current version at:
<http://www.wabco.info/i/857>



1 General information

Symbols used in this document

DANGER

Description of an immediate situation which will result in irreversible injury or death if the warning is ignored.

WARNING

Description of a possible situation which may result in irreversible injury or death if the warning is ignored.

CAUTION

Description of a possible situation which may result in irreversible injury if the warning is ignored.

NOTICE

Description of a possible situation which may result in material damage if the warning is ignored.



Important information, notes and/or tips



Reference to information on the internet

- Action step
 - ⇒ Consequence of an action

Action sequence

1. Step 1
2. Step 2

- List
 - List

 **Note on the use of a tool / WABCO tool**

General information

WABCO Academy



<https://www.WABCO-academy.com/home/>

WABCO Online product catalogue



<http://inform.WABCO-auto.com/>

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2 Safety

Read these operating instructions before using your device for the first time and act accordingly. Keep these operating instructions in a safe place for future reference.

NOTICE

The device must not be operated in a wet or humid environment.

- Do not expose the device to rain.



Only use original WABCO accessories and spare parts.

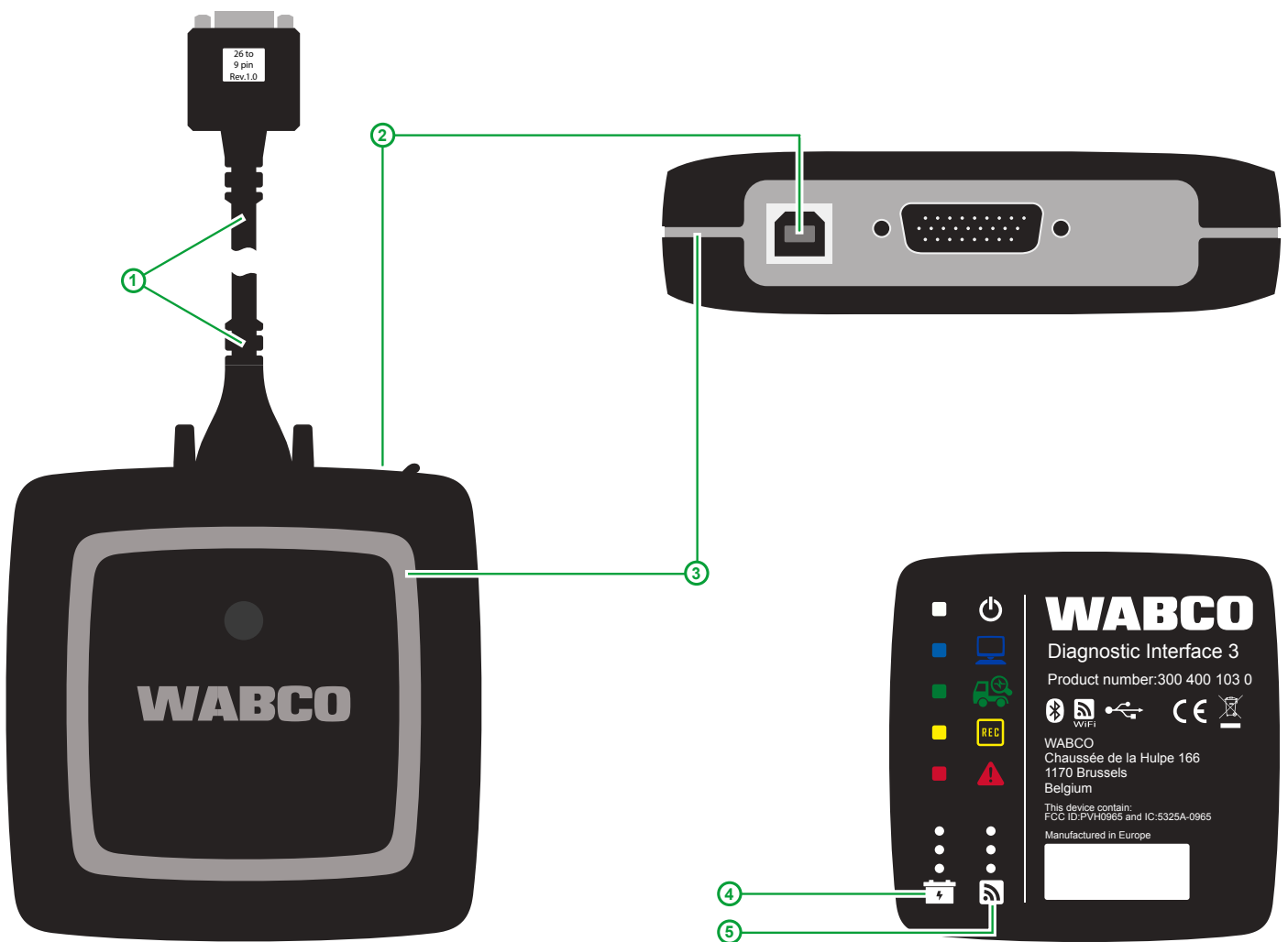
Proper use

The Diagnostic Interface 3 serves as a communication interface between the WABCO Diagnostic Software and the vehicle to be diagnosed.

The Diagnostic Interface 3 may only be used in conjunction with the WABCO Diagnostic Software. Any other use is not permitted and may lead to the destruction of the device. The improper use of the Diagnostic Interface 3 leads to the immediate expiration of all warranty and guarantee claims of the operator against the manufacturer.

3 Device description

3.1 Overview



ITEM	COMPONENT
1	26 to 9 PIN WABCO adapter
2	USB connection
3	Multi-coloured LED status display, shows the status of the connection and the communication.
4	3 green LEDs as an indicator for the voltage status of the vehicle battery.
5	3 blue LEDs as indicator for the current WLAN mode.

3.2 Scope of supply

Component	WABCO part number
Diagnostic Interface 3 Set	300 400 104 0
Diagnostic Interface 3	300 400 103 0
USB cable	300 400 101 4
Adapter 26 to 9 PIN	300 400 102 4
USB stick	300 400 103 4
Case	300 400 104 4
Operating instructions (supplied on USB stick)	815 XXX 259 3* * XXX = Country code for the respective language

3.3 Technical data

Name:	Diagnostic Interface 3
Product description:	Vehicle communication interface diagnosis with WABCO Diagnostic Software. Connection to PC via USB, Bluetooth and WiFi.
Voltage pickup:	6 - 35V/2A, max. power consumption 9W (nominal 12V / 24V)
Dimensions:	125mm x 125mm x 30mm (length x width x height)
Weight:	0.549 kg (0.244 kg without cable)
Operating temperature:	-20° to 50 °C
Cable specification:	UL2517 10Cx26AWG + AL 6.8mm (black, removable), HDB26 to DB9
Cable length:	200 mm
Port:	WABCO 26 to 9 PIN adapter

Vehicle communication interfaces	<ul style="list-style-type: none"> ■ 2xHS CAN (ISO 11898-2) ■ SW CAN (SAE J2411) ■ CAN 24V (ISO 11992-1) ■ K/L (ISO 9141-2) ■ VPW (J1850) ■ PWM (J1850) ■ RS485 (J1708) ■ TTL
Points of intersection	<ul style="list-style-type: none"> ■ USB type B connection ■ Bluetooth version 2.1+EDR, range 50 m ■ WiFi (802.11a/b/g/n, 2,4GHz and 5GHz, WPA2-PSK, WPA-PSK, PEAP, LEAP, WEP64/128 supports ad-hoc and infrastructure mode)
Other	<ul style="list-style-type: none"> ■ Integrated 2GB micro SD card ■ 10 multicolour LEDs ■ 3 x 2 single-colour LEDs

3.4 Device operation

The Diagnostic Interface 3 acts as an interface between the WABCO Diagnostic Software and the vehicle. The interface is connected to the vehicle via individual WABCO cables.

USB, Bluetooth or WLAN is used to connect the Diagnostic Interface 3 to the computer.

The WABCO COM Center (see Chapter "5 WABCO COM Center", page 13) is used to use and operate the unit.

To disconnect the Diagnostic Interface 3 connection, it must be disconnected from the respective WABCO cable.

3.5 CE conformity

The product complies with the regulations of the European Union:

- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/65/EU
- ROHS2 Directive 2011/65/EC

3.6 Label

Each device has a unique label with serial number, Bluetooth and WiFi MAC address, and hardware revision number (see Chapter "3.7 Sticker back side", page 11).



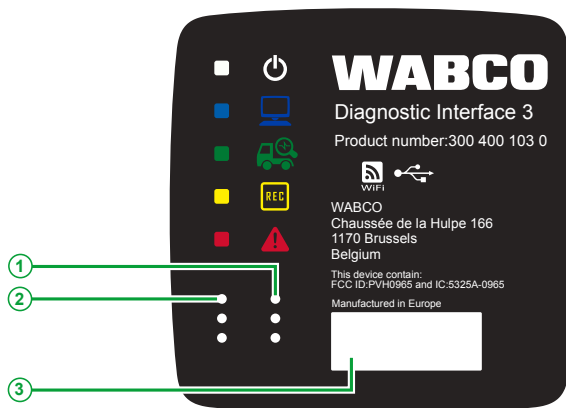
The complete 12-digit MAC address is used as password for the WiFi "Hotspot" mode.

3.7 Sticker back side

The sticker is located on the back of the device. The dots above the battery icon and WLAN icon indicate battery status and WLAN mode.

Colours of status indicator display:

		VCI supplied with power, but not connected
		Connection Diagnostic Interface 3 - PC
		Connection Diagnostic Interface 3 - Vehicle/ECU
		Without function
		Alarm



- ① Indicator display WLAN mode (blue LEDs)
- ② Indicator display vehicle battery (green LEDs)
- ③ Serial number, Bluetooth and WiFi MAC address, hardware revision number

3.8 System requirements



It is recommended to use computer hardware tested and released by WABCO.

The following minimum requirements apply to third-party devices:

CPU:	min. 2 Ghz / 2 cores (e.g. Intel i3 or comparable)
Memory:	min. 4 GB
Operating system	Win 7(SP1) 32 or 64 bit, Win 8.1, Win 10. Updates to the latest version
HDD/SSD	min. 4GB free memory
Required hardware	DVD drive
Bluetooth	Bluetooth BT-CLASS 1, 300m standard, 4-channel capability (simultaneous) with original Microsoft, Widcom Stack or Toshiba Stack (drivers)
Points of intersection	min. 1x USB 2.0 port, if necessary serial port for Cap4202
Network	LAN 10/100/1000, W-LAN
Display	Screen with min resolution of 1024x768

Additional software

Microsoft .NET Framework 3.5 <http://www.microsoft.com>

Adobe Acrobat Reader <http://www.adobe.com>

4 Start-up

Proceed as follows for initial start-up:

1. Connect the USB stick (300 400 103 4) to your computer.
2. Execute the file *install.bat* with a double click.
3. Follow the instructions on the screen until the installation is complete.
4. Connect the Diagnostic Interface 3 to your computer.
⇒ The WABCO COM Center can now be used.



WABCO recommends that initial start-up is performed via a USB port. This ensures that the Diagnostic Interface 3 provides the correct drivers for communication with the computer.

5 WABCO COM Center

- Open the WABCO COM Center software.
- ⇒ The start window is opened.



The following functions are concealed behind the buttons:

- Ⓐ Selection of Diagnostic Interface
- Ⓑ List of installed diagnostic software
- Ⓒ Connection settings
- Ⓓ Settings
- Ⓔ Software version
- Ⓕ Connection indication

6 Disposal

- The final and professional decommissioning and disposal of the product must be carried out in accordance with the applicable legal regulations of the user country. In particular, the regulations for the disposal of batteries, equipment and the electrical system must be observed.
- Electrical appliances must be collected separately from household or commercial waste and recycled or disposed of in accordance with regulations.
- If applicable, take the old device to the company's internal disposal department, which will then forward it to specialist companies (specialist disposal companies).
- In principle, it is also possible to return the old device to the manufacturer. For this purpose, contact the manufacturer's customer service. Any special agreements must be observed.
- Electrical and electronic equipment must be collected separately from unsorted municipal waste and recycled or disposed of properly, because harmful substances can cause lasting damage to health and the environment if disposed of improperly.
- Detailed information can be obtained from specialist waste management companies or the responsible authorities.
- The packaging must be disposed of separately. Paper, cardboard and plastics must be recycled.





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