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Manual - diagnostics of Vetronics units

Diagnostics is used to check and configure Vetronics and connected peripherals

We run the diagnostics via the web interface at: **diag.princip.cz**, where we will log in via your account.

RECOMMENDED: **Google Chrome** can be automatically translated to native language using **Google Translate**.

If you do not have an account, click **New user** to register. Within two working days, you will receive your login information on email.

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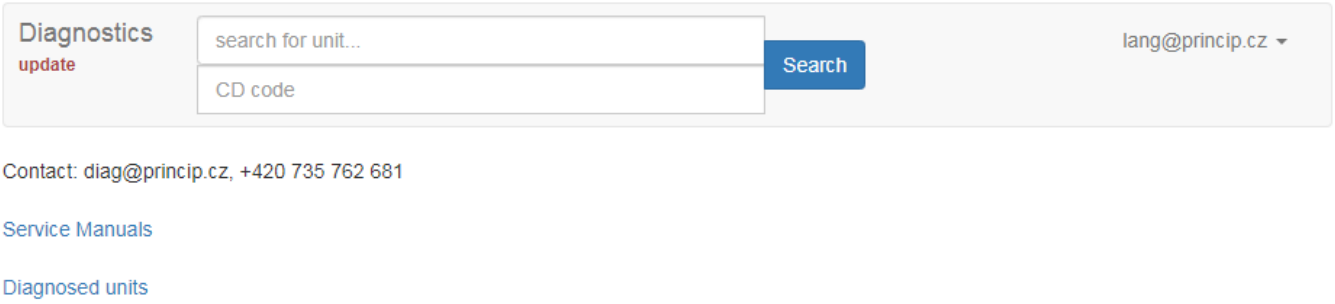
When you sign in, you'll see a homepage where we have several options:

- **search for unit…**: search units (např.: S760A00001)
- **CD code**: SECURITY CODE AGAINST REMOTE SETTINGS
  the code on the unit label
- **update**: page updates
- **Service Manuals**: Instructions and schemes for installing units
- **Diagnosed units**: History of diagnosed units

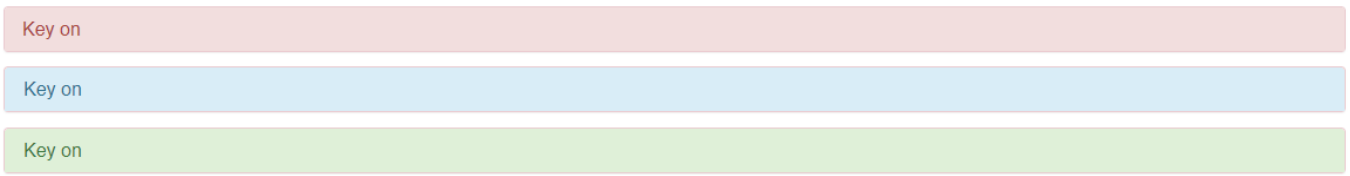


Three-color rule:

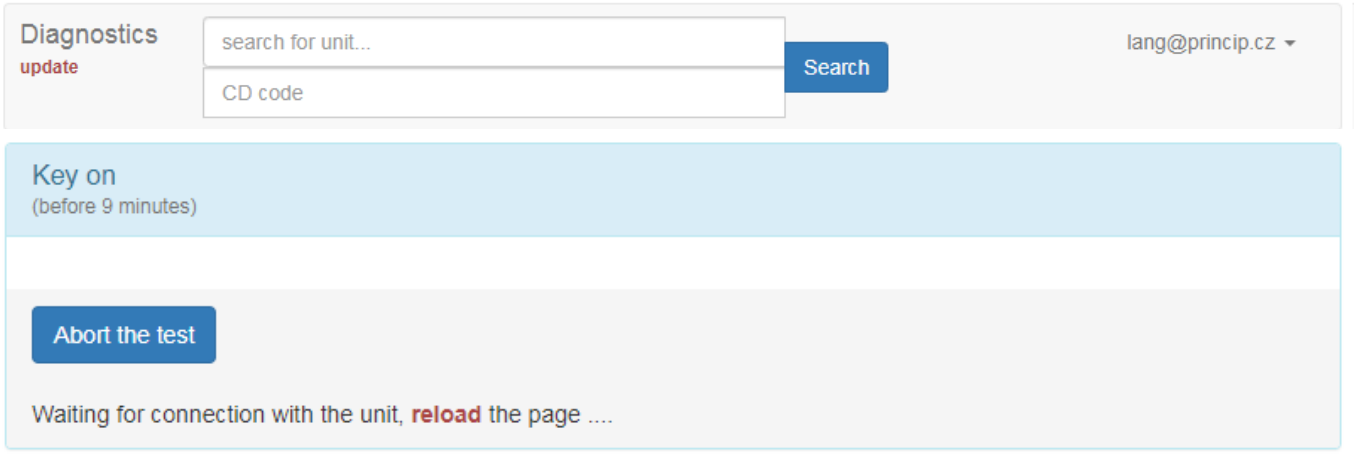
Diagnostics remembers what user has set and whether the setup/check is successful.

Test result by color:

- **RED**: test failed
- **BLUE**: test in progress (necessary **update** or **reload** page until the test is completed)
- **GREEN**: test/configuration successful



IMPORTANT: constantly update diagnostics → click update or reload!



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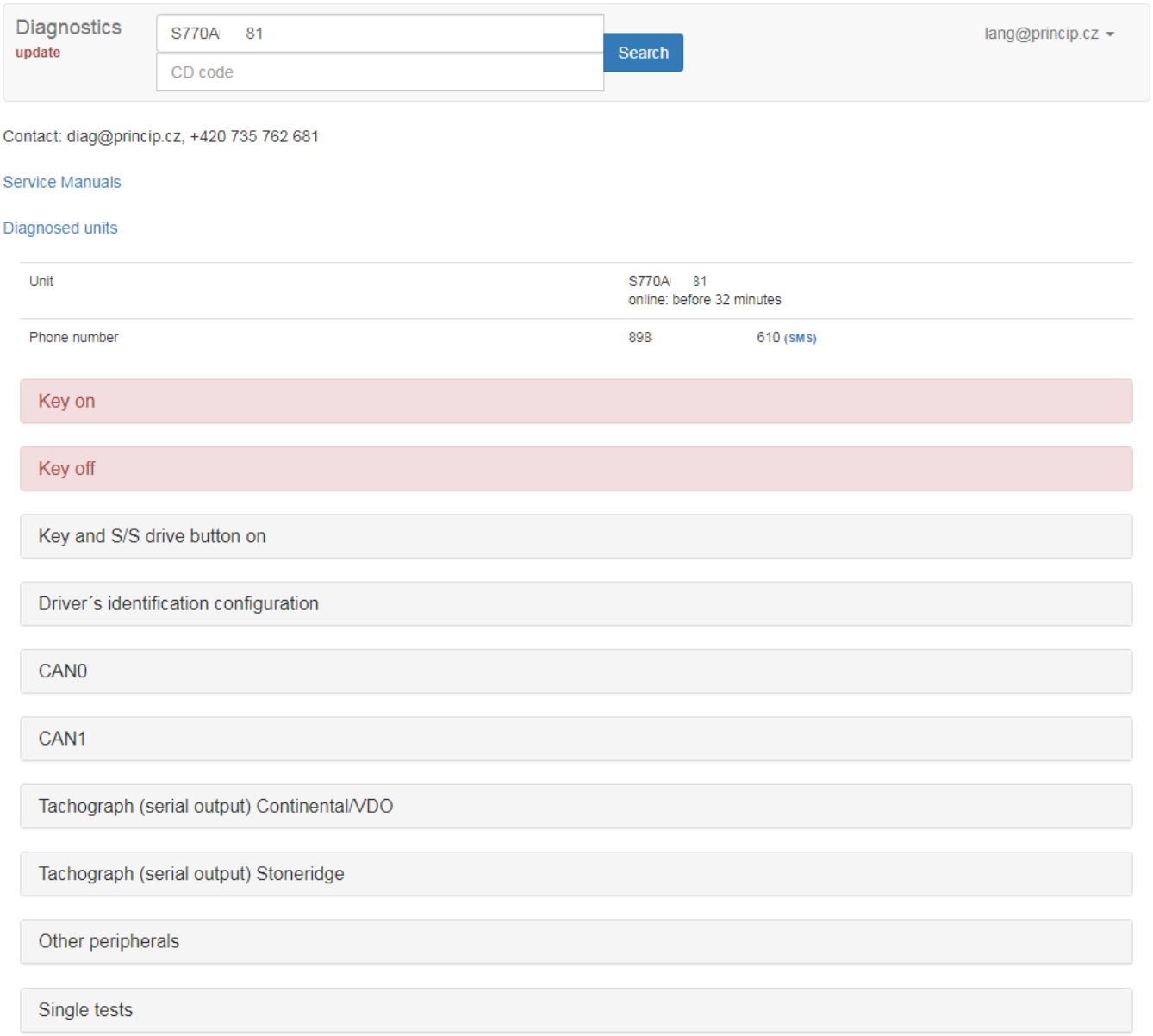
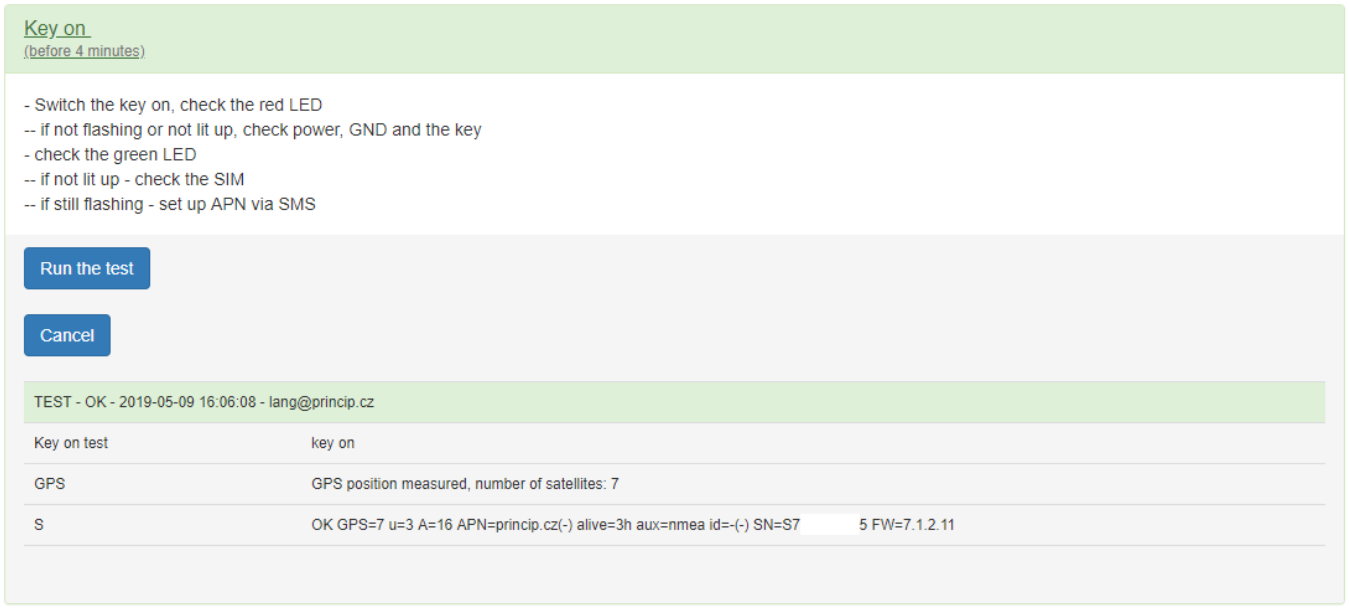
After finding the unit, according to the serial number, the configuration / check options are displayed.



Description of individual tests or configurations

Key on

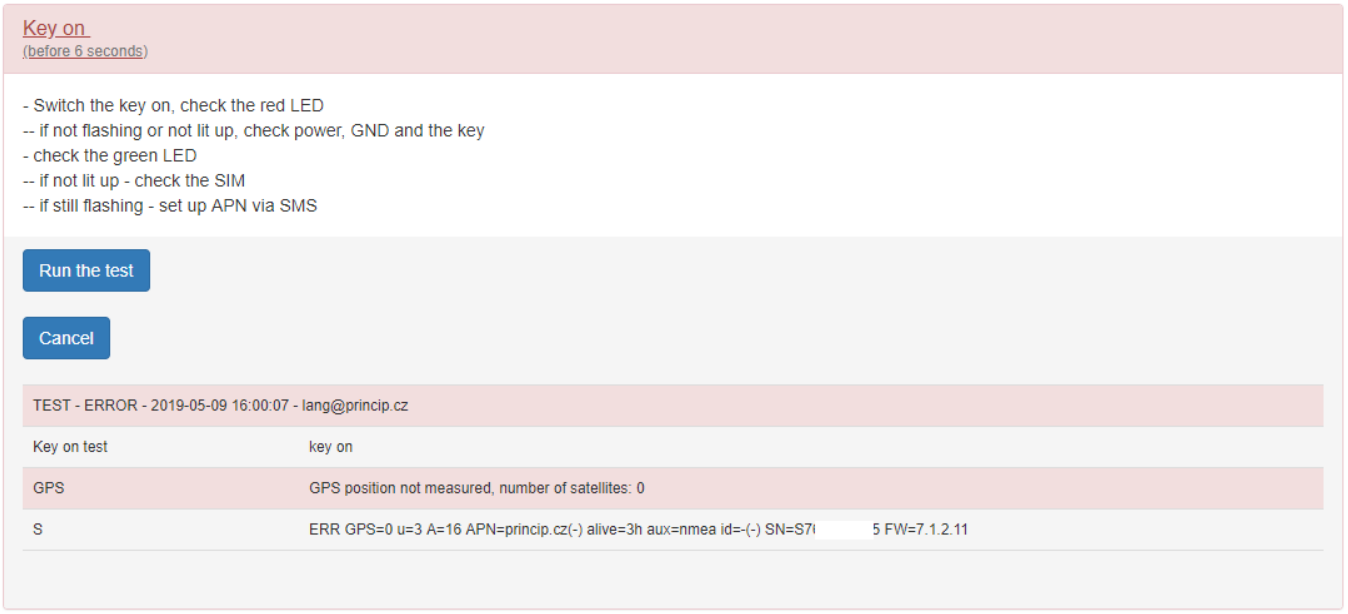
The basic unit test, which controls the still power supply „KL30“, the power supply of behind the key „KL15“, and the GPS signal.



MODEL SITUATION: In this case, the check was successful (**green**).

GPS location OK (GPS=7), key on (u=3) …

OK **GPS=7 u=3** A=16 APN=princip.cz(-) alive=3h …



MODEL SITUATION: In this case, the check was unsuccessful (**RED**).

Without GPS signal (GPS=0), key on (u=3) …

ERR **GPS=0** u=3 A=16 APN=princip.cz(-) alive=3h …

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Key off

The basic unit test that checks off power behind the key.

MODEL SITUATION: In this case, the check was successful (**green**).

Key off (u=1) …

OFF GPS=7 **u=1** A=16 APN=princip.cz(-) alive=3h …

MODEL SITUATION: In this case, the check was unsuccessful (**RED**).

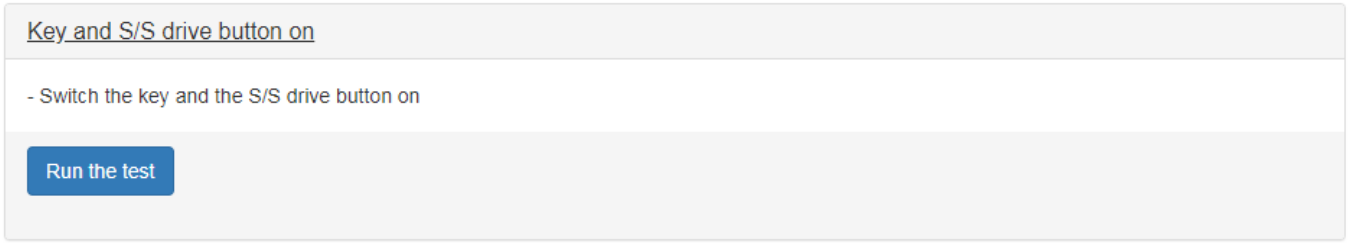
The voltage behind the key still present (u=3) …

OFF GPS=7 **u=3** A=16 APN=princip.cz(-) alive=3h

Rule green and red is the same for all tests!

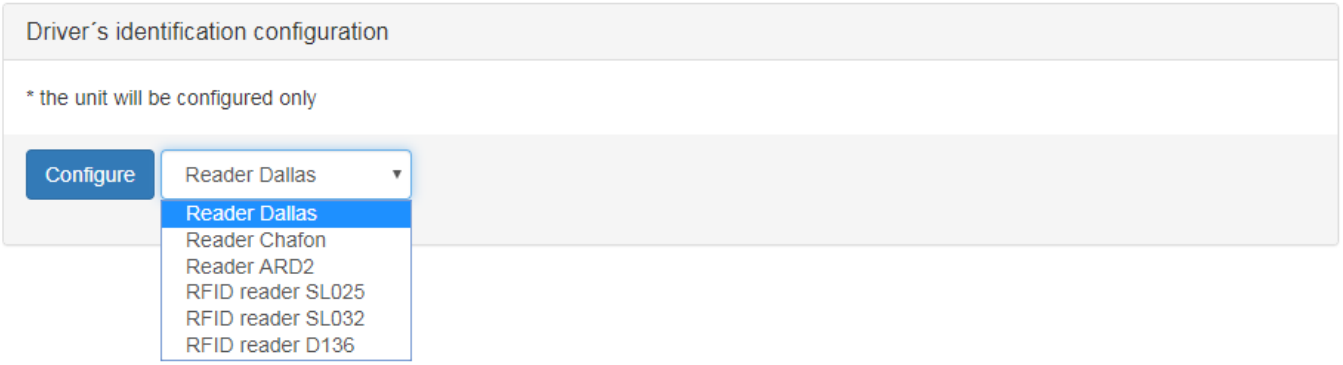
Key and S/S drive Button on

Used to configure and control the private / business trip switch **(red diode = private ride).**



Drivers identification configuration

Only configures the reader of drivers identification, driver login test - **SINGLE TESTS - driver identification.**

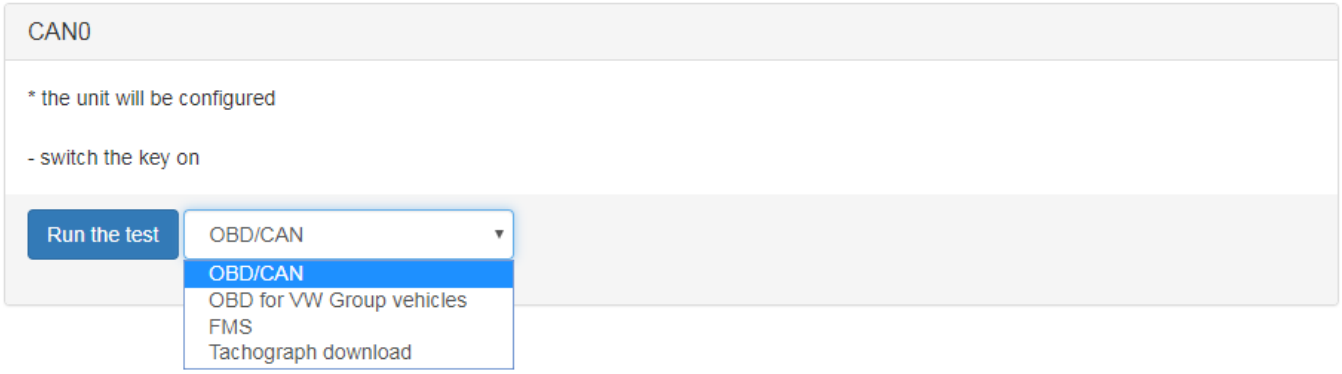


CAN0

Used to set the CAN0 controller.

Select the type of configuration according to the connection.

- **OBD/CAN** = Universal setting
- **OBD for VW Group vehicles** = Settings for VW Group vehicles (VW, ŠKODA, SEAT ...)
- **FMS** = FMS settings
- **FMS + Tachograph download test** = FMS + tachograph availability check

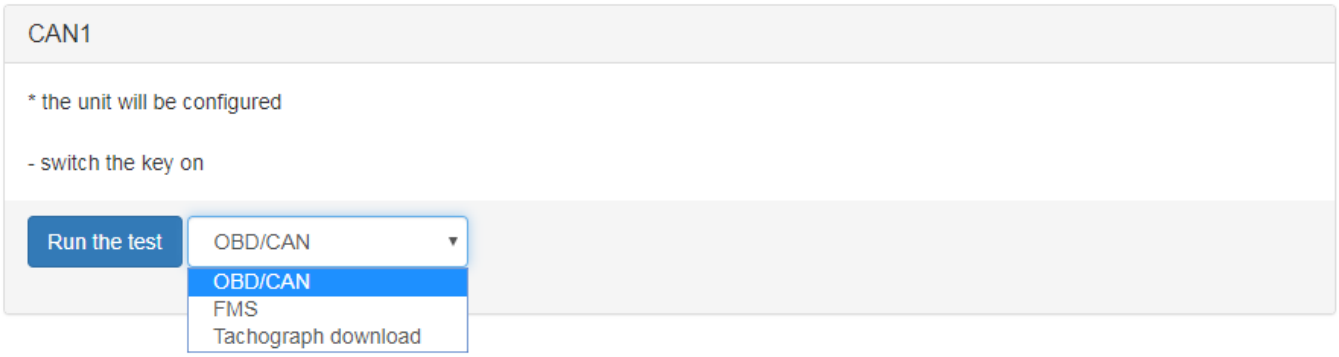


CAN1

Used to set the CAN1 controller.

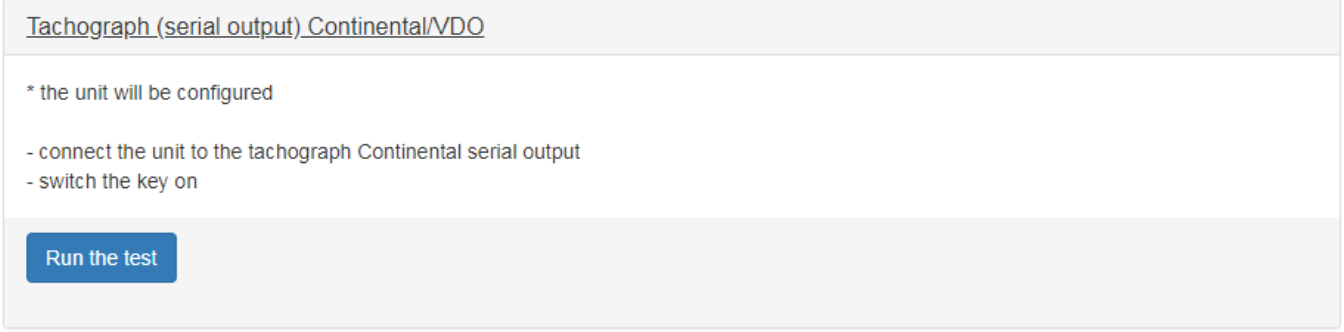
Select the type of confirmation according to the connection.

- **OBD/CAN** = Universal setting
- **FMS** = FMS / **IBR probe** setting
- **Tachograph download test** = Check the availability of the tachograph



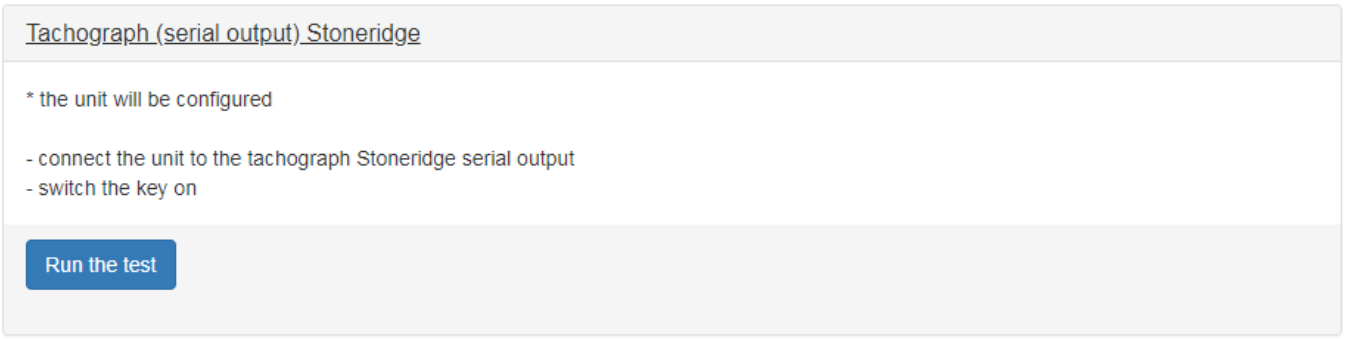
TACHOGRAPH Continental/VDO

Used to configure and check data reading from **Info line D8, AETR** (connector D, position 8) on the Continental / VDO tachograph.



TACHOGRAPH Stonridge

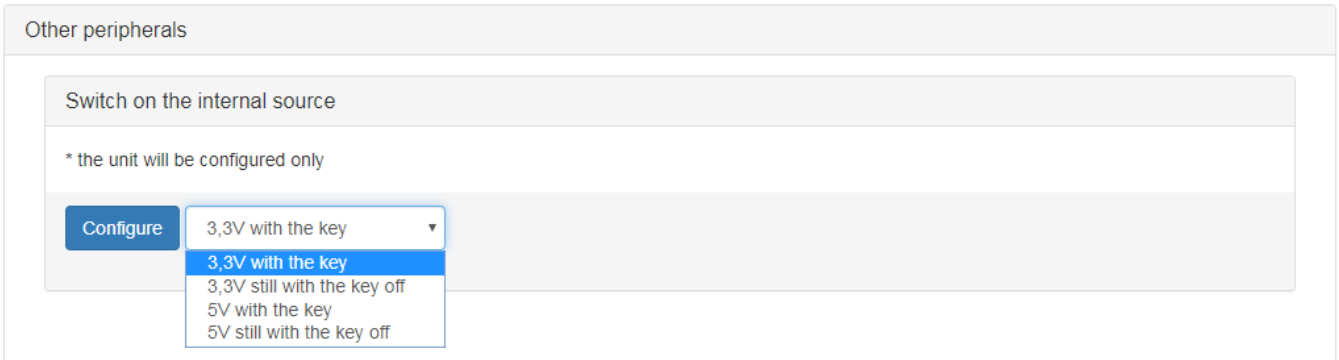
Used to configure and check data reading from **Info line D8, AETR** (connector **D**, position **8**) on the Stoneridge.



OTHER PERIPHERALS

Switch on the internal source

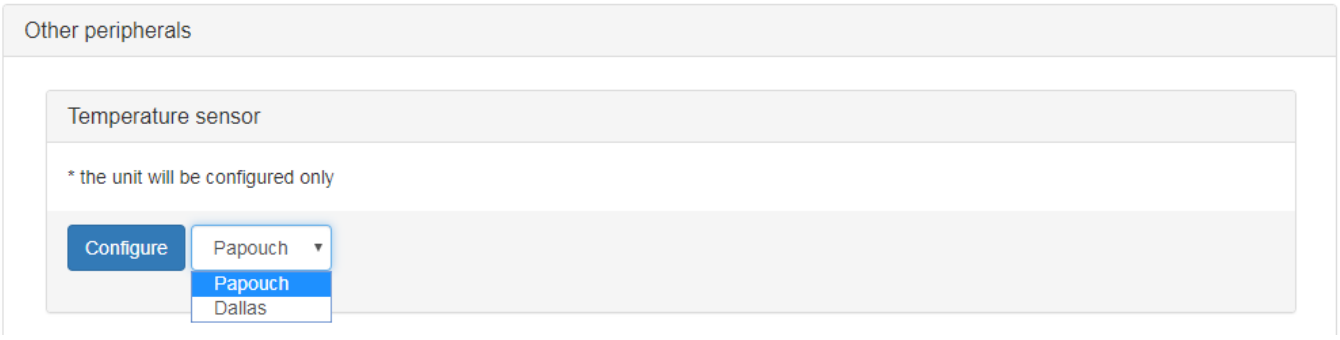
Used to configure the power output of **PWR_ADJ** (position 2, **red**/**yellow** wire).
Only for Vetronics 721 and Vetronics 770. Used for RFID readers and thermometers



Temperature sensor

Used to only configure the thermometer type.

Thermometer test in **SINGLE TESTS → thermometer test.**



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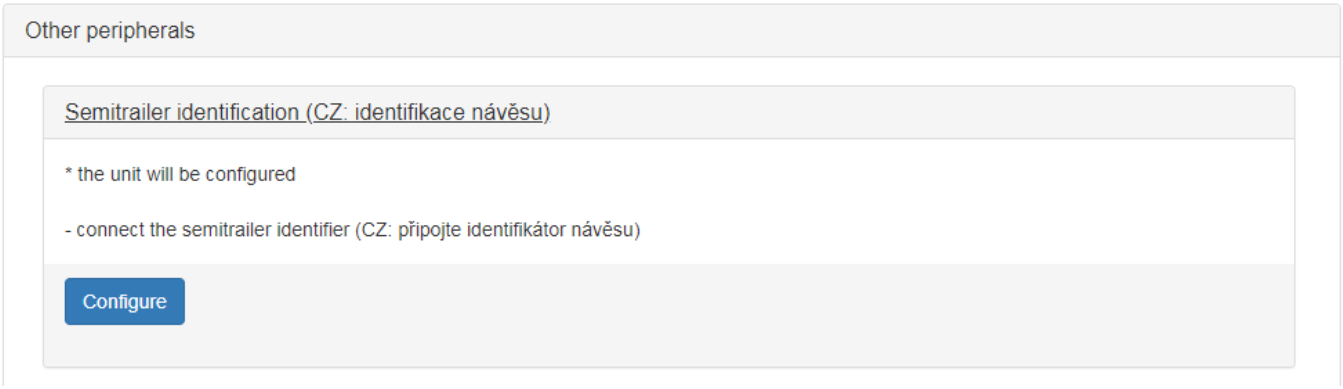
Semitrailer identification

Used to only configure semitrailer identification. Trailer Identification test in **SINGLE TESTS** → **test of semitrailer/implements identification**



OTHER PERIPHERALS – Analog inputs

IN1 grounding/disconnection configuration

IN3 grounding/disconnection configuration

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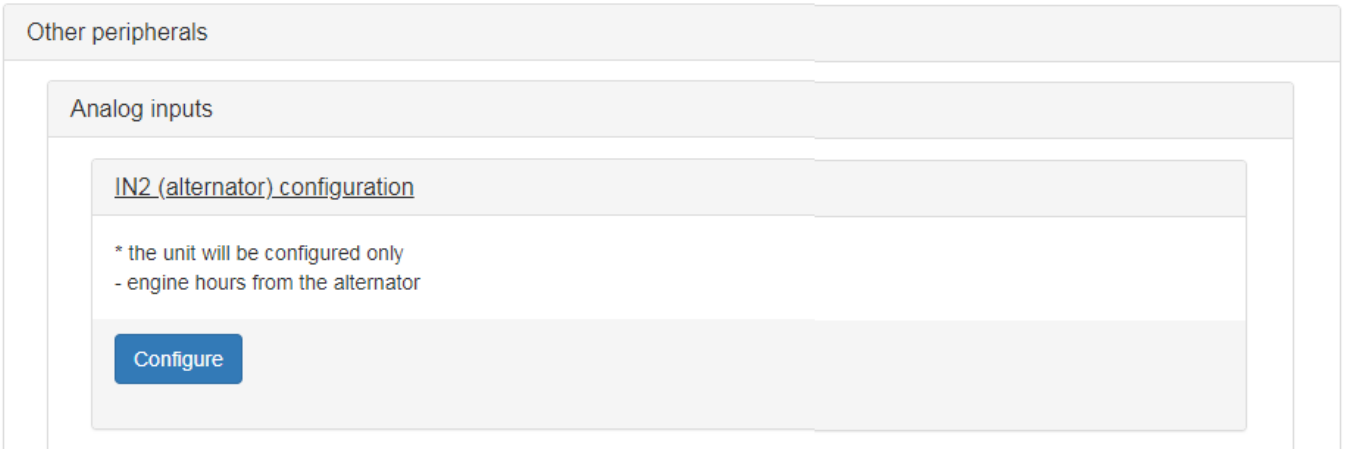
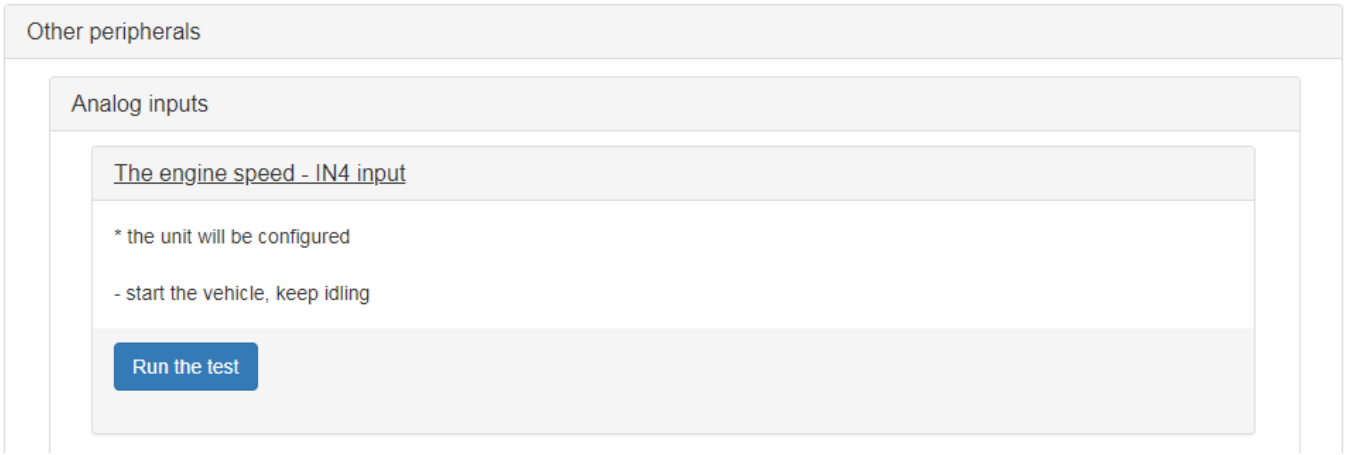
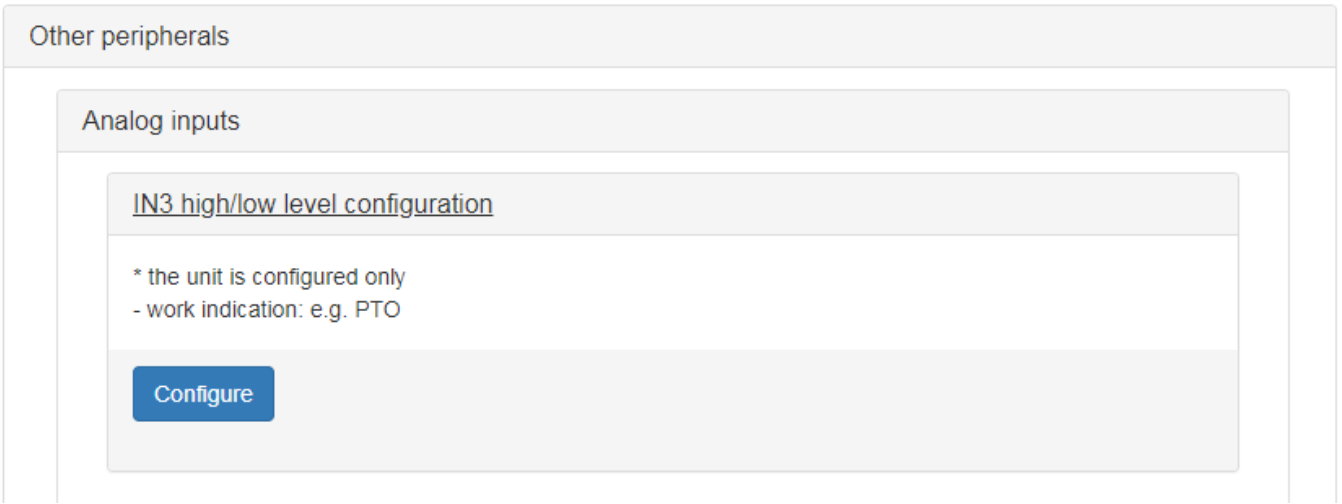
IN2 (alternator) configuration



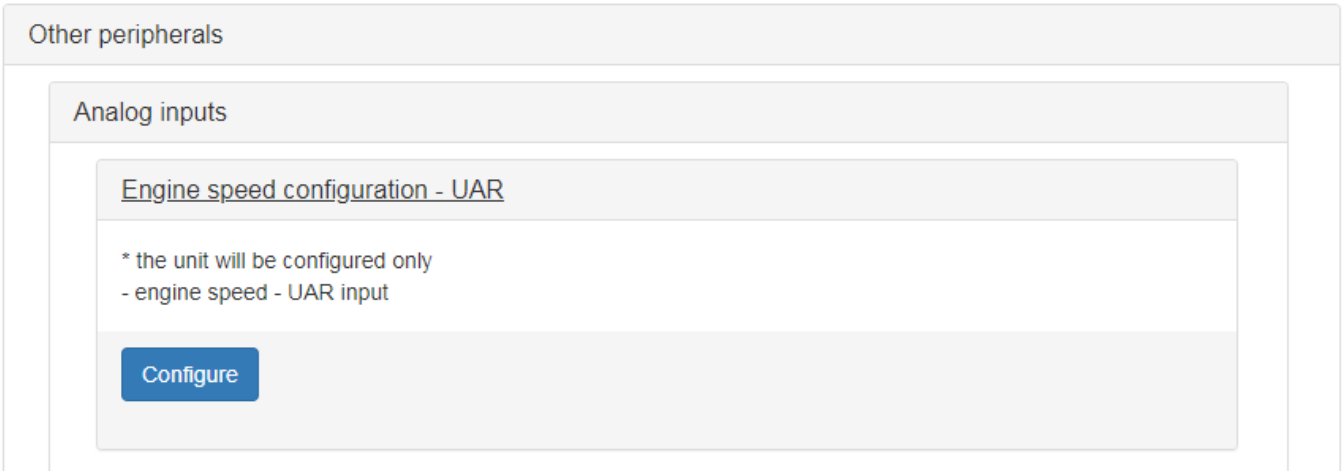
The engine speed – IN4 input



IN3 high/low level configuration



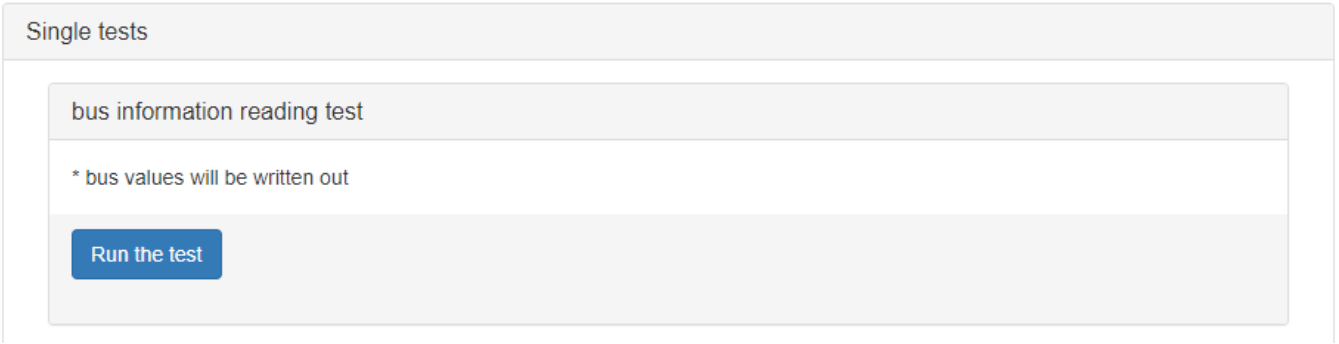
Engine speed configuration – UAR



SINGLE TESTS

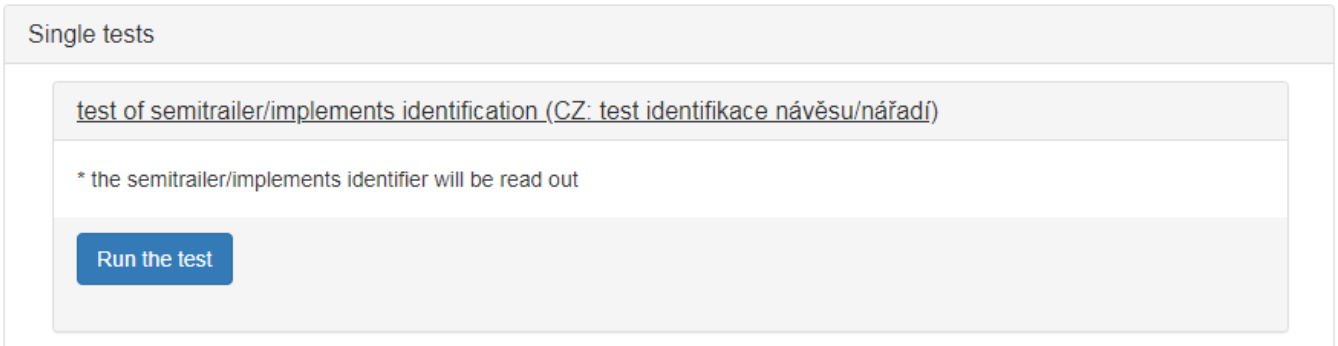
bus information reading test

Used to test reading data from CAN-BUS.



test of semitrailer/implements identification

Used to test identification of semitrailer/implements.



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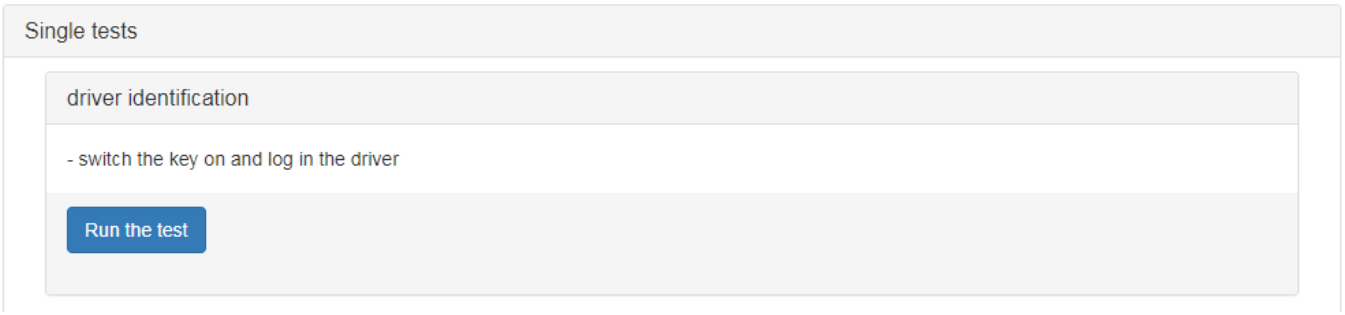
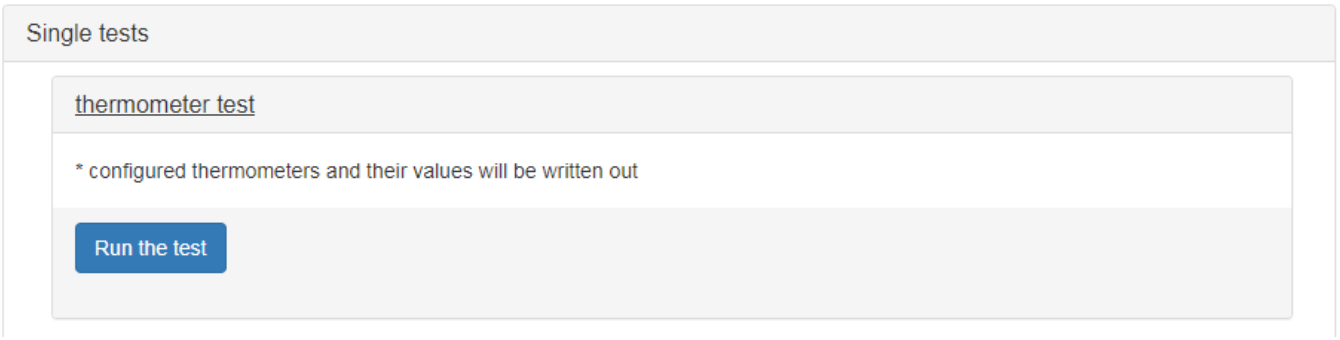
driver identification

Used to test driver identification (before the test attach the chip).



thermometer test

Used to test thermometer.



test analog inputs

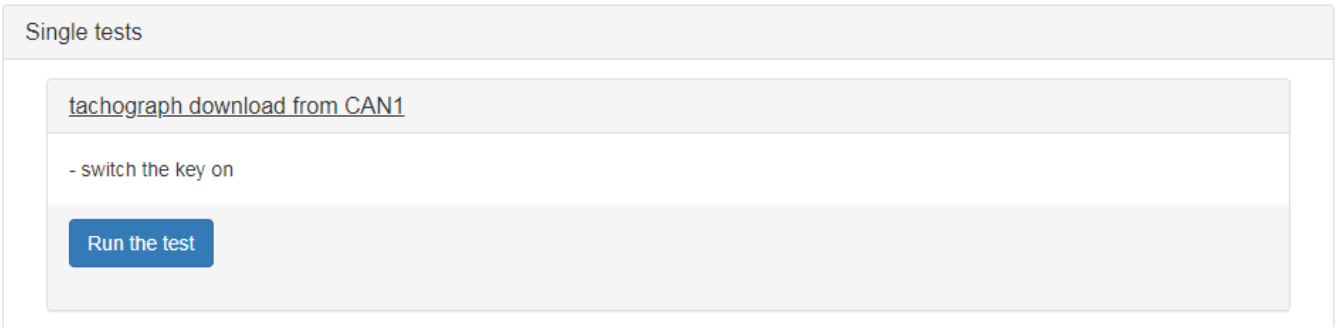
Used to test analog inputs.

tachograph download from CAN0

Used to test tachograph download, connected to **CAN0**. **Turn the key on during the test!**

tachograph download from CAN1

Used to test tachograph download, connected to **CAN1**. **Turn the key on during the test!**



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