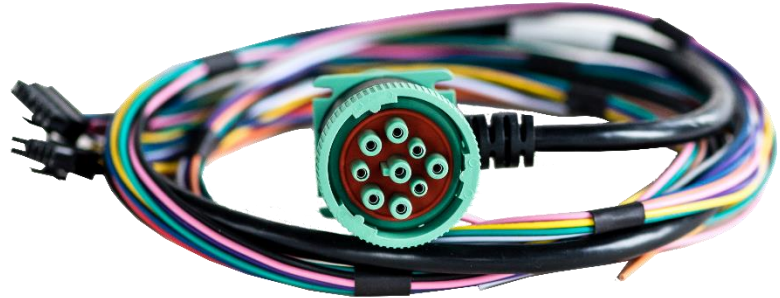


Compatible devices:

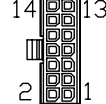
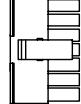
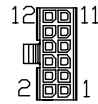
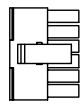
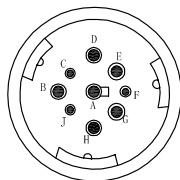
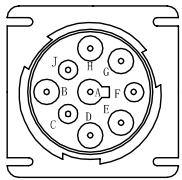
- FM-Tco4 HCV (and its modifications)
- FM-Pro4 (and its modifications)

Make sure that you have:

- A vehicle with a Deutsch diagnostic port
- A computer with Windows 7/8/10
- An internet connection (or a predownloaded configurator pack)
- A USB A to USB mini cable
- Basic tools (screwdriver, wrench, etc.)
- Cable ties (or double-sided tape)
- Wire connection tools



Wiring diagram



9 pin plug socket*

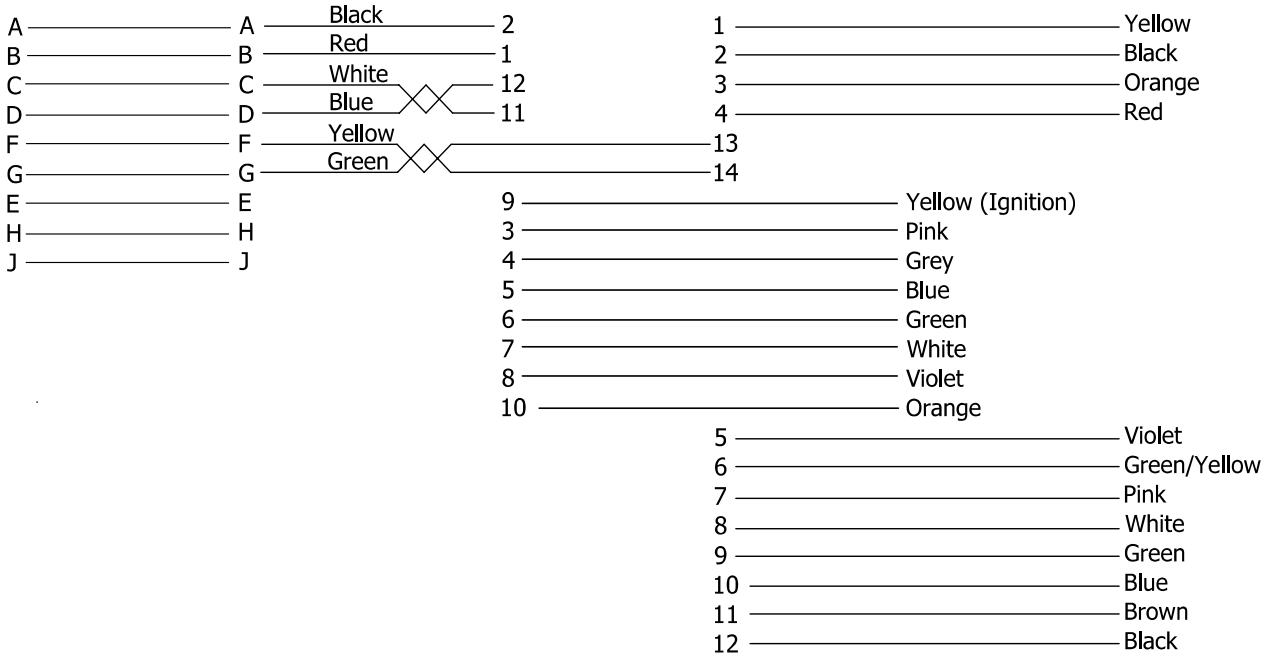
9 pin plug

12 pin connector

14 pin connector

Accessory wires

Accessory wires



*Only for 9-Pin Y harnesses

Configuration steps

- 1 Insert your SIM card into the device.

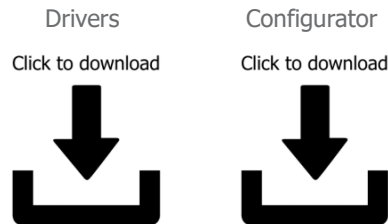


- 3 Connect the device to your computer using a USB cable. Start the configurator. Select the port you connected your device to. Click **Connect** in the configurator.

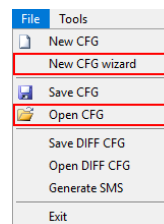
- 5 Configure GSM provider **APN** settings. Configure Fleet Management System **Connection** settings.

- 7 In **Interfaces**, tick **PortC**. Select **J1708** in the drop-down list.

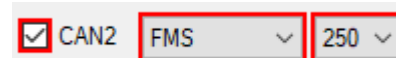
- 2 Download and install the latest [VCOM drivers](#). Download the device [configurator](#).



- 4 Download the [sample config file](#). Click **File** -> **Open CFG** to load the config file. Or use **New CFG wizard** to create a new config.



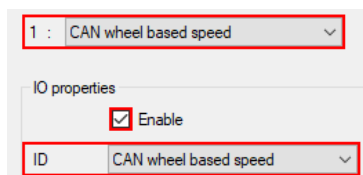
- 6 Click **Options** in **IO events**. In **Interfaces**, tick **CAN2**. Select **FMS** in the drop-down list. Select the appropriate baud rate (black connector – 250, green connector – 250 or 500). Failure to select the correct baud rate can cause errors to appear on the dashboard.



- 8 Enable the v1.1 protocol on the top right side of **IO settings**.

- 9 Select a parameter slot on the top left side of **IO settings**.

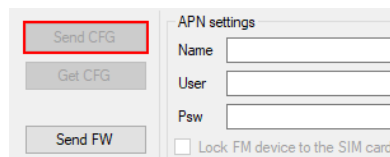
Select a parameter in **ID**.
Tick the **Enable** checkbox.
Repeat for all necessary parameters.



Alternatively, click the **Enable IO** button to enable a set of preselected parameters.



- 10 Click **Send CFG** to upload the config to the device.



Installation steps

- 1 Locate the Deutsch port in your vehicle.
It is often on the driver side underneath a panel, as shown in the image below.
Refer to your vehicle's user manual for the exact location and baud rate.



- 2 Connect the harness to the Deutsch port and to the device.
Connect the wire labelled "Ignition" to a location with ignition pick-up.
Alternatively, configure the device to detect ignition on power supply voltage change.
Insulate all unused accessory wires.
Install the device with the GNSS antenna directed upwards.
Follow the recommendations:
- Install behind the dashboard
 - Install as close to the window as possible
 - Avoid installing near metal surfaces

- 3 Fasten the device in the vehicle using zip-ties or double-sided tape.
Make sure it is secured tightly.
Turn on the ignition.
Check that the required data is received before finishing the installation.

Further reading

- Documentation website: <https://doc.ruptela.it/>
- 9-Pin harness datasheet: <https://doc.ruptela.it/display/AB/Harnesses>
- Windows drivers: <https://doc.ruptela.it/display/AB/FM4+drivers>
- Configurator tool: <https://doc.ruptela.it/pages/viewpage.action?pageId=884805>

We highly recommend you to read the user manual before using the device.

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