

## Compatible devices:

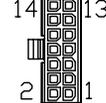
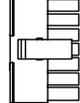
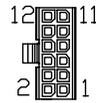
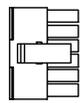
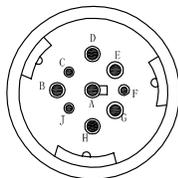
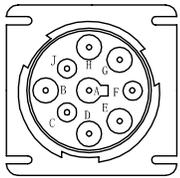
- FM-Tco4 HCV (and its modifications)
- FM-Pro4 (and its modifications)

## 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\*

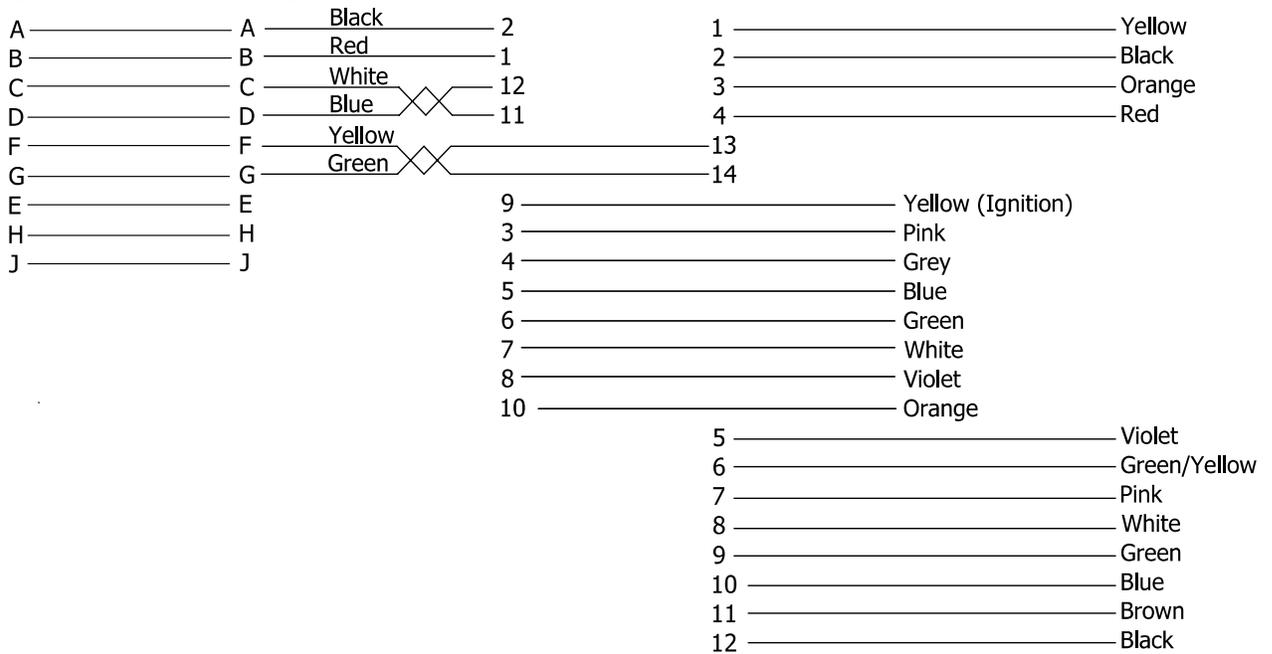
9 pin plug

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.

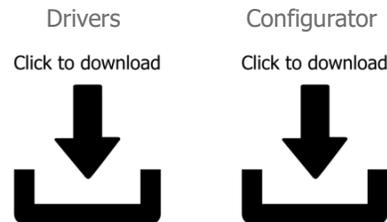


- 3 Connect the device to your computer using a USB cable. Start the configurator. Select the port you connected your device to. Click **Connect** in the configurator.

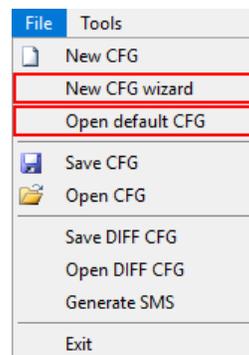
- 5 Configure GSM provider **APN** settings. Configure Fleet Management System **Connection** settings.

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

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



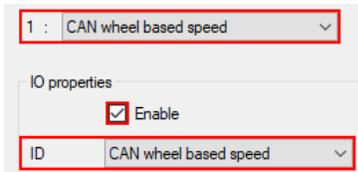
- 4 Click **File** -> **Open default CFG** to load the preconfigured file. Or use **New CFG wizard** to create a new config.



- 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**.

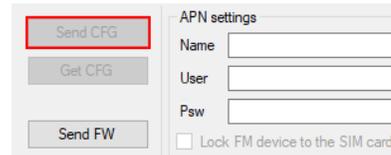
- 9 Select a parameter slot on the top left side of **IO settings**.  
 Select a parameter in **ID**.  
 Tick the **Enable** checkbox.  
 Repeat for all necessary parameters.



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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