

Compatible devices:

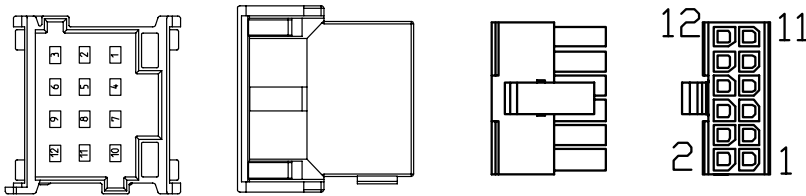
- FM-Tco4 HCV (and its modifications)
- FM-Pro4 (and its modifications)

Make sure that you have:

- A vehicle with an FMS connector and a 24 V system
- A computer with Windows 7/8/10
- An internet connection (or a pre-downloaded 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

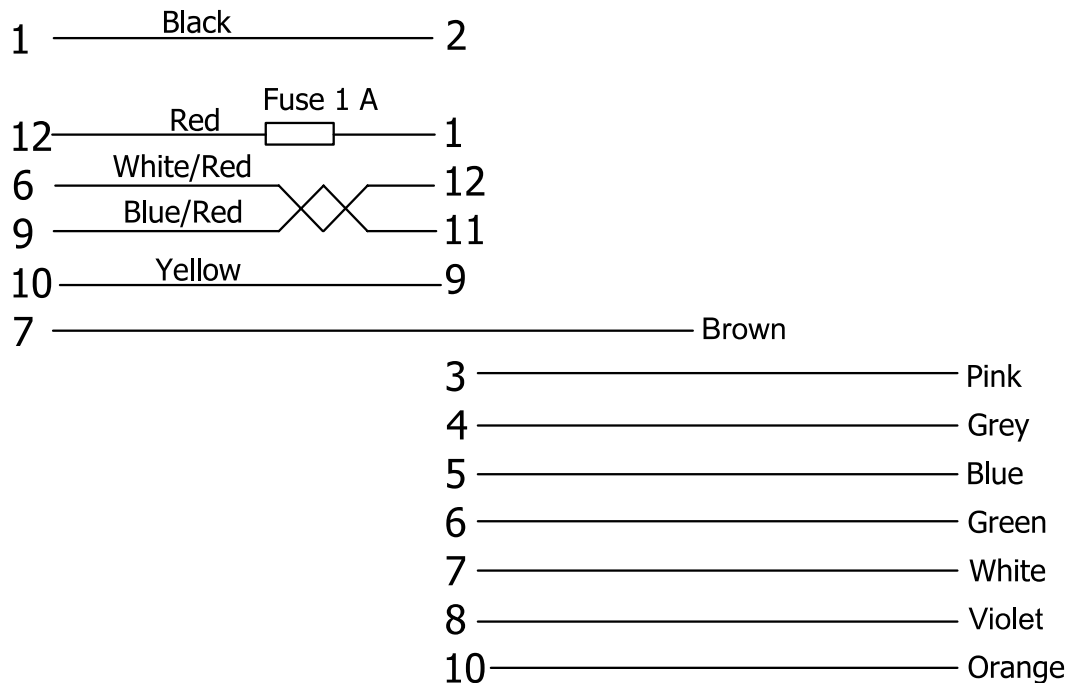


FMS connector

12 pin connector

K-Line

Accessory wires*



*Only for 0.5m and 4m harnesses with accessory wires

Configuration steps

- 1 Insert your SIM card into the device.

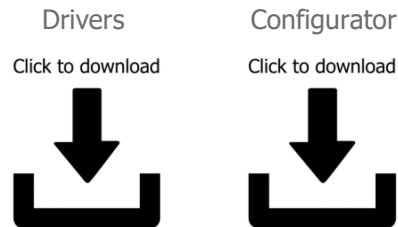


- 3 Connect the device to your computer using a USB cable.
Start the configurator.
Select the port you connected your device to.
Click **Connect** in the configurator.

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

- 7 In **Interfaces**, tick **K-Line**.
Select **TCO** in the drop-down list.

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

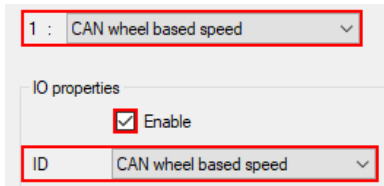


- 4 Click **File** -> **Open default CFG** to load the preconfigured file.
Or use **New CFG wizard** to create a new config.

- 6 Click **Options** in **IO events**.
In **Interfaces**, tick **CAN2**.
Select **FMS** in the drop-down list.
Set the baud rate to **250** (according to the FMS standard).

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

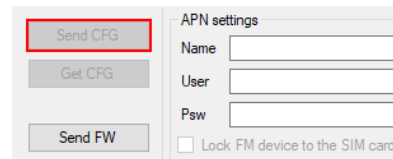
- 9 Select a parameter slot on the top left side of **IO settings**.
 Select a parameter in **ID**.
 Tick the **Enable** checkbox.
 Repeat for all necessary parameters.



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 FMS connector in your vehicle. It can often be found behind the fuse box. Refer to your vehicle's user manual for the exact location.
- 2 Check if the FMS connector has a K-Line interface (check if pin 7 is present). If pin 7 is not present, use other methods for K-Line connection. We recommend connecting directly to tachograph port D (pin D8) to ensure data accuracy.
- 3 Connect the harness to the FMS connector and to the device. 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
- 4 Fasten the device in the vehicle using zip-ties or double-sided tape. **Make sure it is secured tightly.** Turn on the ignition. Send the *tacho* SMS command to check tachograph communication. **Check that the required data is received before finishing the installation, if not, ask your vehicle dealer to configure the FMS interface in the vehicle.**

Further reading

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

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

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