

Compatible devices:

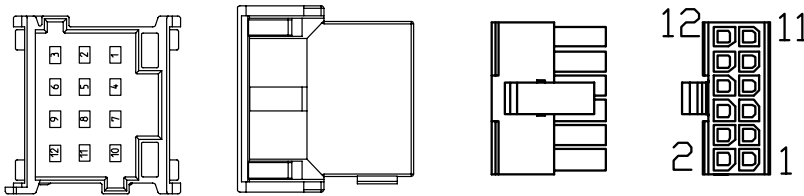
- FM-Tco4 HCV (and its modifications)
- FM-Pro4 (and its modifications)

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

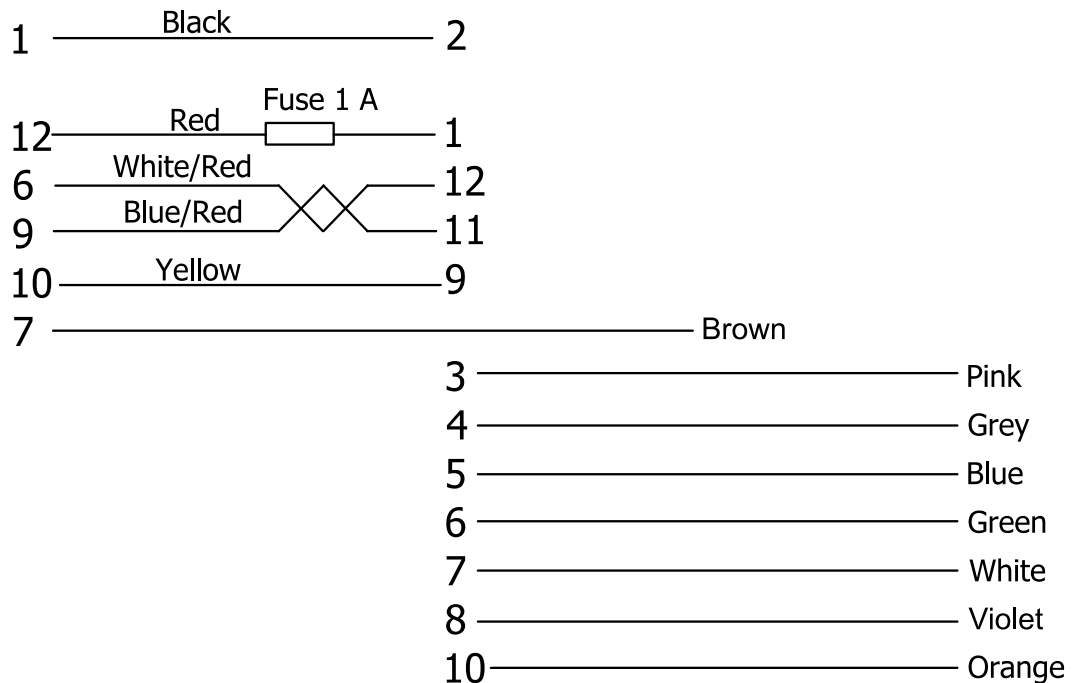


FMS connector

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.

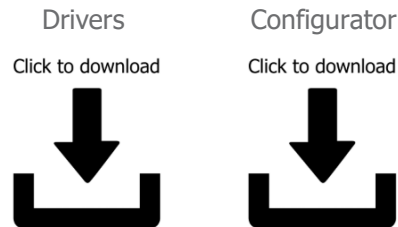


- 3 Connect the device to your computer using a USB cable. Start the configurator. Select the port you connected your device to. Click **Connect** in the configurator.

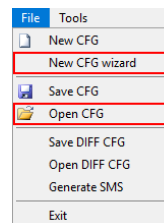
- 5 Configure GSM provider **APN** settings. Configure Fleet Management System **Connection** settings.

- 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](#).



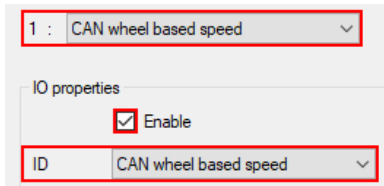
- 4 Download the [sample config file](#). Click **File** -> **Open CFG** to load the config file. Or use **New CFG wizard** to create a new config.



- 6 Click **Options** in **IO events**. In **Interfaces**, tick **CAN2**. Select **FMS** in the drop-down list. 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**.

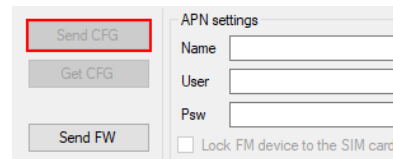
- 9 Select a parameter slot on the top left side of **IO settings**.
Select a parameter in **ID**.
Tick the **Enable** checkbox.
Repeat for all necessary parameters.



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.

Legal information

Copyright © 2018 Ruptela. All rights reserved. Reproduction, transfer, distribution or storage of parts or all of the contents in this document in any form without the prior written permission of Ruptela is prohibited. Other products and company names mentioned in this document are trademarks or trade names of their respective owners.