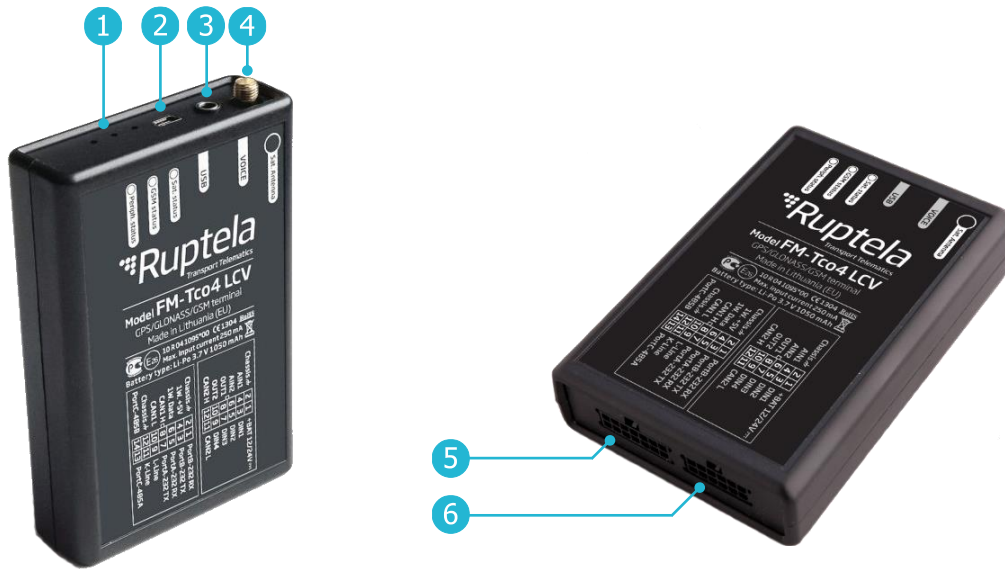


Make sure that you have:

- An OBD2 standard compatible vehicle
- A computer with Windows 7/8/10
- An internet connection (or a predownloaded [Device Center](#))
- A USB A to USB mini (Type B) cable
- An [OBD2 harness](#) (recommended)

Device overview



- | | | | | | |
|---|-------------------|---|------------------------|---|-------------|
| 1 | Indication LEDs | 2 | USB mini (Type B) port | 3 | Audio jack |
| 4 | GNSS antenna port | 5 | 14 Pin port | 6 | 12 Pin port |

Indication LED patterns

LED	Pattern	Description
GNSS	Once every second	Accurate signal
	Once every 0.4 seconds	No signal
GSM	Once every 4 seconds	Accurate signal
	Once every 0.2 seconds	No signal
	Always on	Link with the server is open
Peripheral	Always off	No devices connected
	Once every 5 seconds	One device connected
	Twice every 5 seconds	Two devices connected
	Three times every 5 seconds	Three devices connected
All	Once every 5 seconds	Sleep/deep sleep mode

Device pinout

No.	Pin	Wire color	Description
1	+BAT 12/24V	Red	Power supply 12/24 V
2	Chassis	Black	Ground connection
3	DIN1	Pink	Digital input 1
4	AIN1	Grey	Analog input 1
5	DIN2	Blue	Digital input 2
6	AIN2	Green	Analog input 2
7	DIN3	White	Digital input 3
8	DOUT1	Purple	Digital output 1
9	DIN4	Yellow	Digital input 4
10	DOUT2	Orange	Digital output 2
11	CAN2 L	Blue/Red	CAN Low
12	CAN2 H	White/Red	CAN High

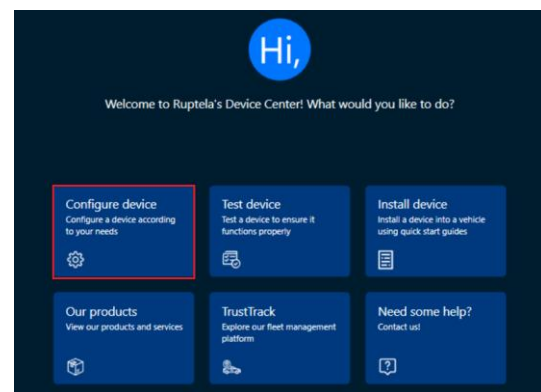
No.	Pin	Wire color	Description
1	PortB-232 RX	Yellow	RS232 RX
2	Chassis	Black	Ground connection
3	PortB-232 TX	Orange	RS232 TX
4	1W. +5V	Red	1-Wire power
5	PortA-232 RX	Purple	RS232 RX
6	1W. Data	Green/Yellow	1-Wire data
7	PortA-232 TX	Pink	RS232 TX
8	CAN1 H	White	CAN High
9	L-Line	Green	L-Line
10	CAN1 L	Blue	CAN Low
11	K-Line	Brown	K-Line
12	Chassis	Black	Ground connection
13	PortC-485 A	White/Red	RS485 line A
14	PortC-485 B	Yellow/Brown	RS485 line B

Configuration

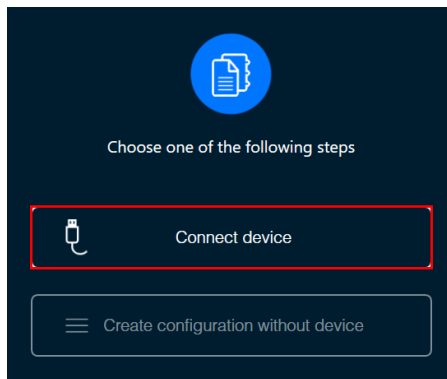
- 1 Insert your SIM card into the device.



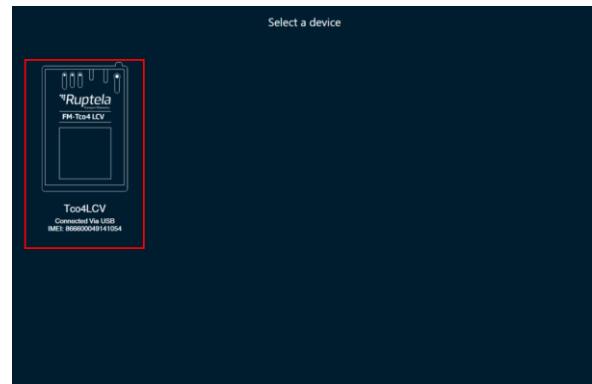
- 2 Download and launch the [Device Center](#). Install device drivers if prompted. Click **Configure device** in the main menu.



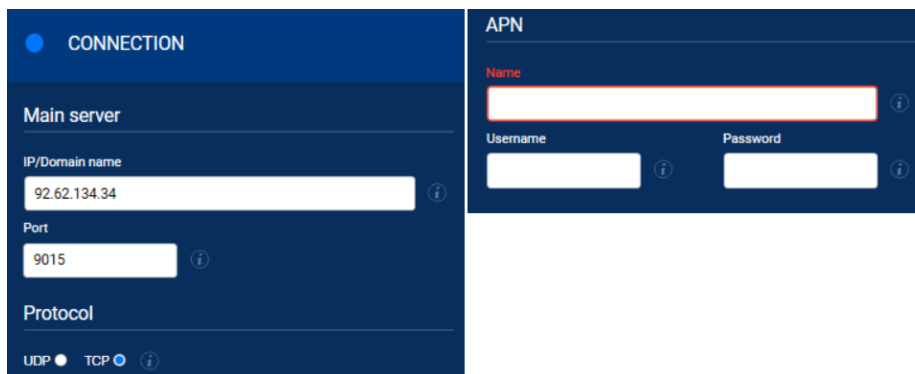
- 3 Connect the device to your computer using a USB cable.
Click **Connect device**.



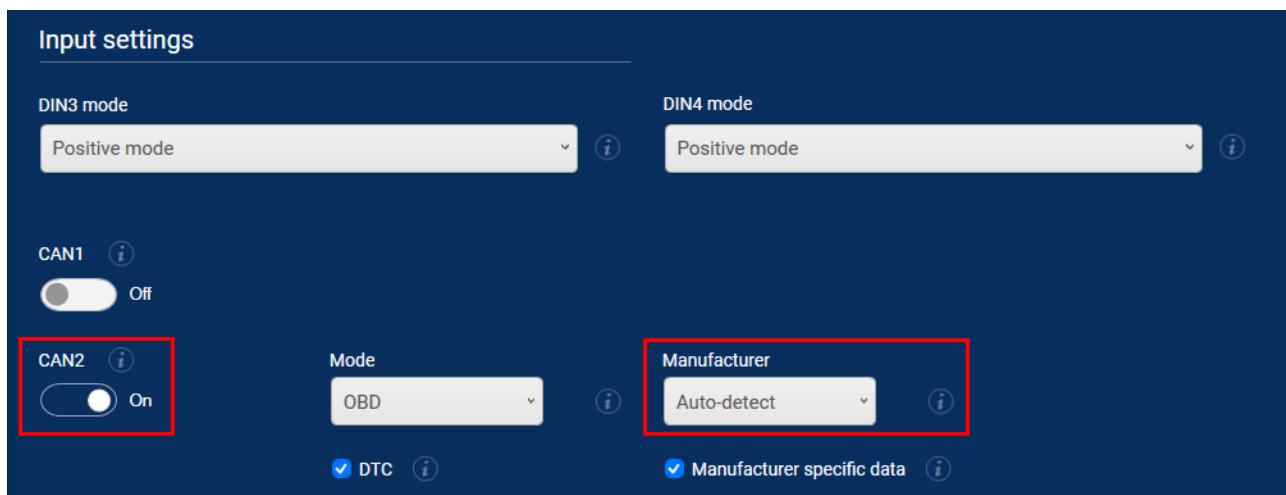
- 4 Select your device.



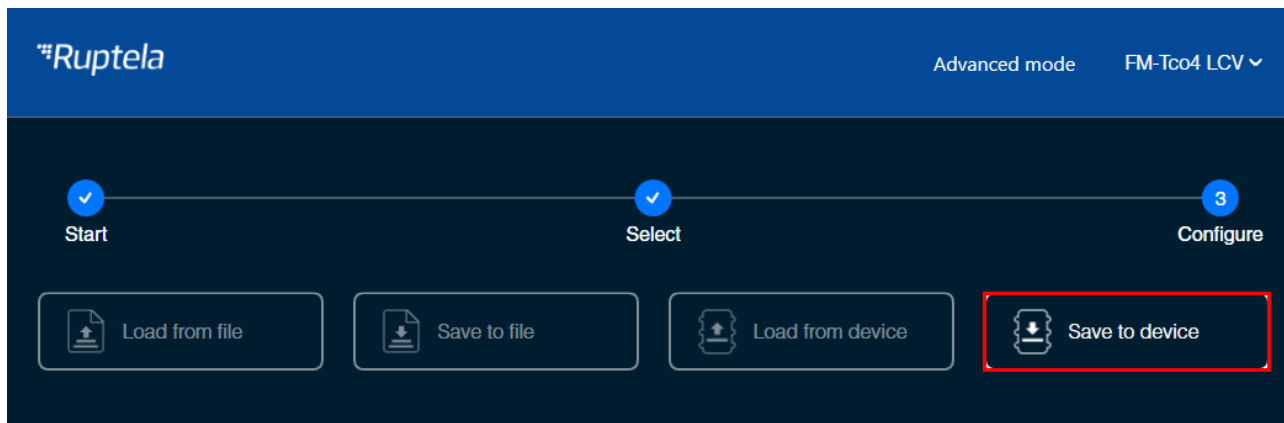
- 5 Open the **Connection** settings.
Configure Fleet Management System **Main Server** settings (TrustTrack server settings are entered by default).
Configure GSM provider **APN** settings.



- 6 Open **Peripherals and interfaces**.
Turn on the **CAN2** interface in **Input settings**.
Select your vehicle **Manufacturer** (*Auto-detect* is selected by default, may not work with all models).
All other needed settings are enabled by default.
Note: If you are using our standard OBD2 harness, then CAN1 should be configured.



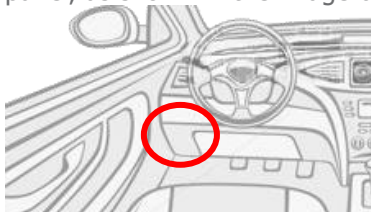
- Click **Save to device** to upload the config to the device.



Installation

For faster and easier installation, it is highly recommended to use the [OBD2 harness](#).

- Locate the OBD port in your vehicle. It is usually located on the driver side underneath a panel, as shown in the image below.
- Install the device in the vehicle using zip-ties. **Make sure it is secured tightly.** Connect the device using the OBD2 harness (**recommended**). Alternatively, connect the device according to the wiring diagram on Page 5.

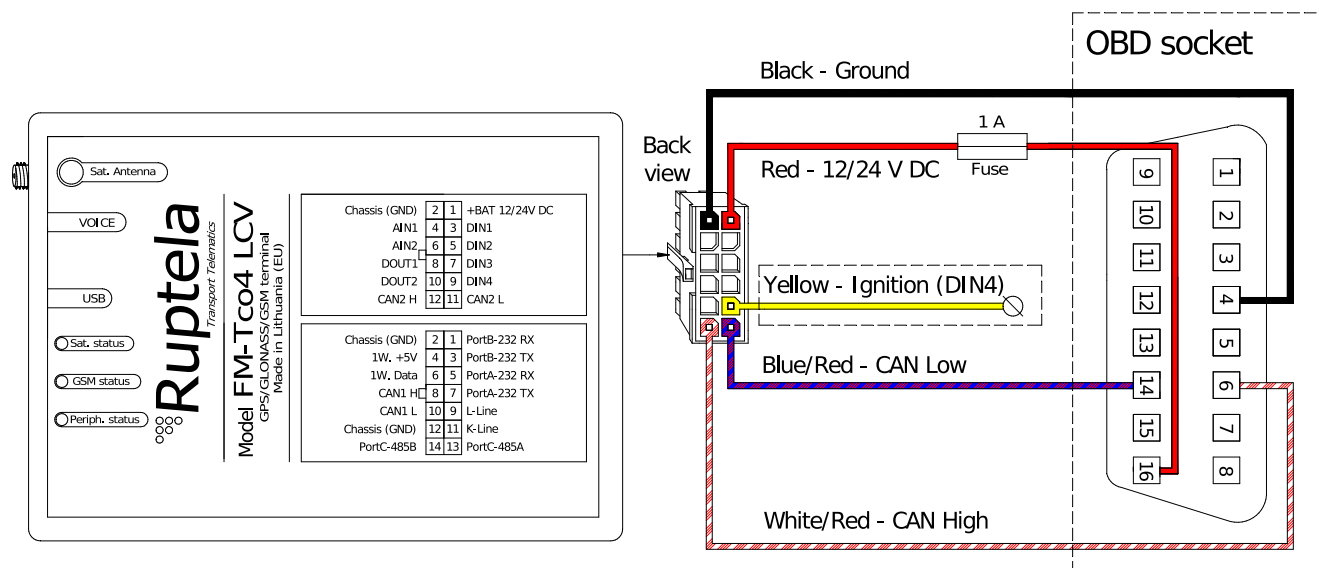


- Install the GNSS antenna facing towards the sky. Follow the recommendations:
 - Install behind the dashboard
 - Install as close to the window as possible
 - Avoid installing near metal surfaces
- Turn on the ignition. **Check that the required data is received before finishing the installation.**



Wiring diagram

- Power input: 12/24 V DC



Supported OBD2 parameters list

- Vehicle RPM
- Vehicle speed sensor, km/h
- Fuel level, l
- Fuel level, %
- VIN code
- Odometer, km
- Engine coolant temperature, °C
- Ambient air temperature, °C
- Type of fuel
- Relative accelerator pedal position, %
- Time since engine start, s
- Engine fuel rate, l/h
- Actual engine – percent torque, %
- Distance travelled while MIL is activated
- Electric vehicle battery level, %
- Electric vehicle remaining distance, km



The received data depends on the vehicle manufacturer, model and in some cases even the engine. Consult our [OBD2 supported vehicles list](#) for more details.

Further reading

- Documentation website: <https://doc.ruptela.it/>
- List of supported OBD2 vehicles: <https://doc.ruptela.it/display/AB/OBD>
- Datasheet and user manual: <https://doc.ruptela.it/pages/viewpage.action?pageId=884777>
- Device Center: <https://doc.ruptela.it/display/AB/Device+Center>

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

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