Ruptela
Transport Telematics

Trace5 Quick Start Guide

Make sure that you have:

- A computer with Windows 7/8/10
- An internet connection (or a pre-downloaded Device Center)
- **Installed the required USB drivers from the Device Center page**
- A USB A to USB mini (Type B) cable
- Tools for installation and wire connection: a panel removing tool, a wrench, a crimp terminal, zip-ties (or double-sided tape)

Device Overview

1	12 Pin port	2	Mini USB port	3	Indication LED

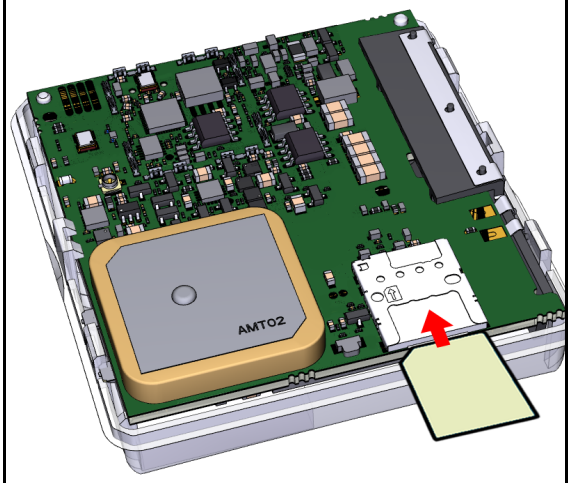
Device Pinout

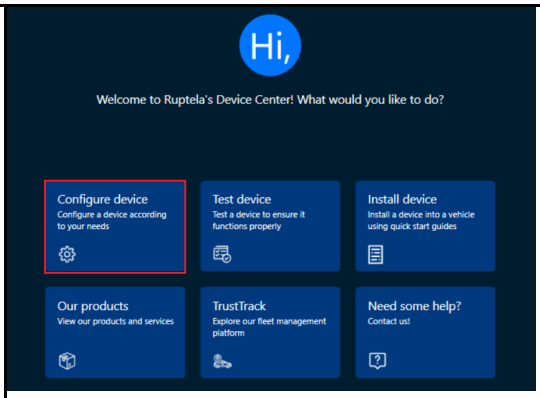
Pin	Pin no.	Wire color	Description
+BAT	7	Red	Power supply 8-30 V DC
GND	1	Black	Ground connection
DIN1	2	Pink	Digital input 1
DIN2*	6	Blue	Digital input 2
DIN3*	11	White	Digital input 3
DIN4*	5	Yellow	Digital input 4
AIN1	3	Grey	Analog input 1
AIN2*	4	Green	Analog input 2
DOUT1	8	Purple	Digital output 1
DOUT2	9	Orange	Digital output 2
1W Pwr*	12	White/Red	1-Wire Power
1W Data*	10	Green/Yellow	1-Wire Data

Indication LED Patterns

Mode	Pattern	Description
GNSS fix acquired	Once every second	Good cellular signal, no network connection
	Once every 4 seconds	Good cellular signal, connected to a network
	Always on, blinks once every 4 seconds	The link with the server is open
	Once every 0.2 seconds	No signal
GNSS fix not acquired	Twice every second	Good cellular signal, no network connection
	Twice every 4 seconds	Good cellular signal, connected to a network
	Always on, blinks twice every 4 seconds	The link with the server is open
	Twice every 0.2 seconds	No signal
Sleep mode	Once every 10 seconds	The device is in sleep mode

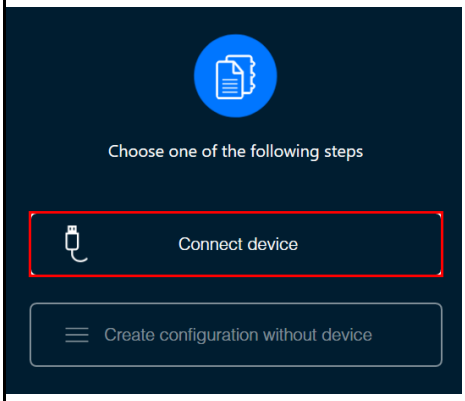
Configuration

1	Insert a flat-head screwdriver between the top and bottom parts of the housing and lift the top part up. The top of the housing should easily dismount from the holding pins. 	2	Insert your micro/nano SIM card. 
3	Place the of top the housing on one side of the device. Then simply push the other side down until you hear a clicking sound and the housing is closed.	4	Download and launch the Device Center. Install device drivers if prompted. Click **Configure device** in the main menu.

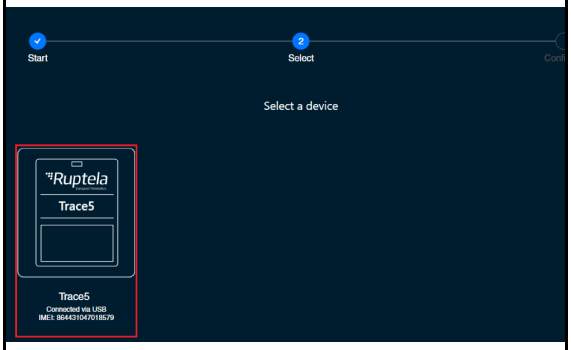


5 Connect the device to your computer using a USB cable.

Click **Connect device**.



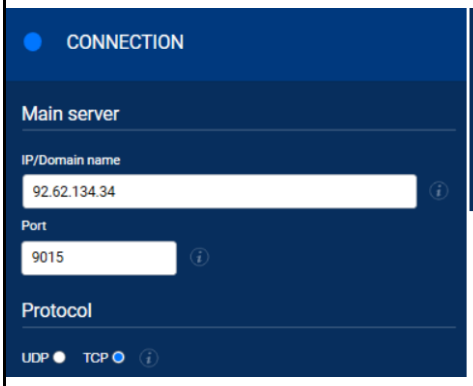
6 Select your device.

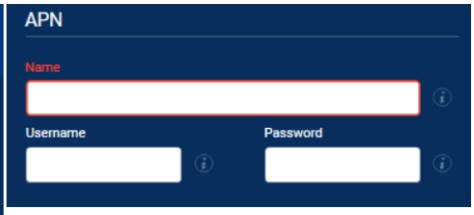


7 Open the **Connection** settings.

Configure Fleet Management System **Main Server** settings (TrustTrack server settings are entered by default).

Configure GSM provider **APN** settings.





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

Installation

1. Install the device with the label positioned upwards, make sure it is not covered by metal.

   The internal GNSS antenna is very sensitive to the device's positioning. Wrong placement will result in reduced tracking accuracy!

   Follow the recommendations:

   - It is allowed to tilt up to 45 degrees on any axis, but the top surface in all cases must be facing up
   - Install behind the dashboard
   - Install as close to the windshield as possible
   - Avoid installing near metal surfaces
   - Do not install the device near heat emitting or moving parts

   Fasten the device in the vehicle using zip-ties or double-sided tape.

   Make sure it is secured tightly.

Correct

Incorrect

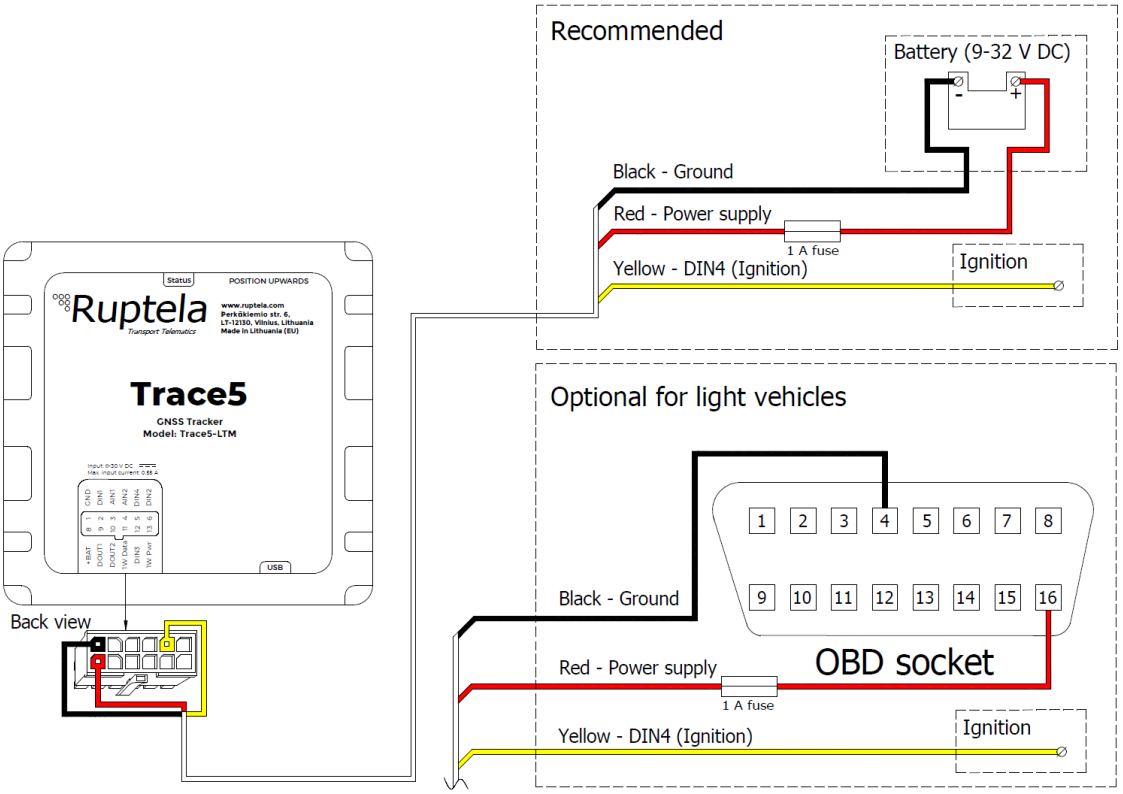
2. Make sure that the device is connected to the power supply and to the ignition source set in the Device Center engine detection if the ignition is to be captured via DIN.

   Turn on the ignition.

3. Test your device using the Device Center installation assistant tool. If the Overall status is green, then the device is properly installed.

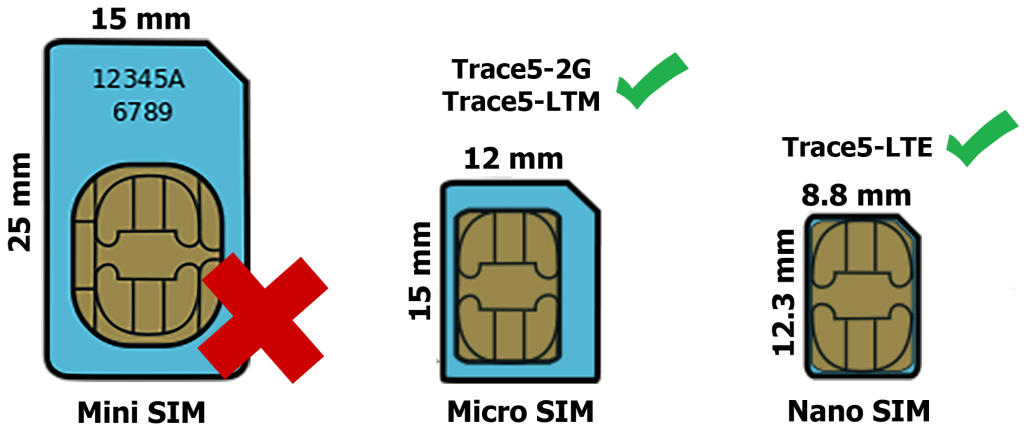
   Check that the required data is received before finishing the installation.

Connection Diagram



SIM Card Size Comparison

When inserting a SIM card into the device, make sure it is inserted correctly as shown on the device and is the correct size. Refer to the image below:



Further Reading

- Device Center: https://doc.ruptela.com/articles/#!downloads-publication/device-center
- Datasheets and Quick Start guides for harnesses: https://doc.ruptela.com/articles/#!accessories-publication/accessories-home

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