Installation manual for the PetSoft S3 GPS tracker, version 355

(abridged version v. 1.02)

Tracker: S3 v.355 | Kit: CAN E Tacho



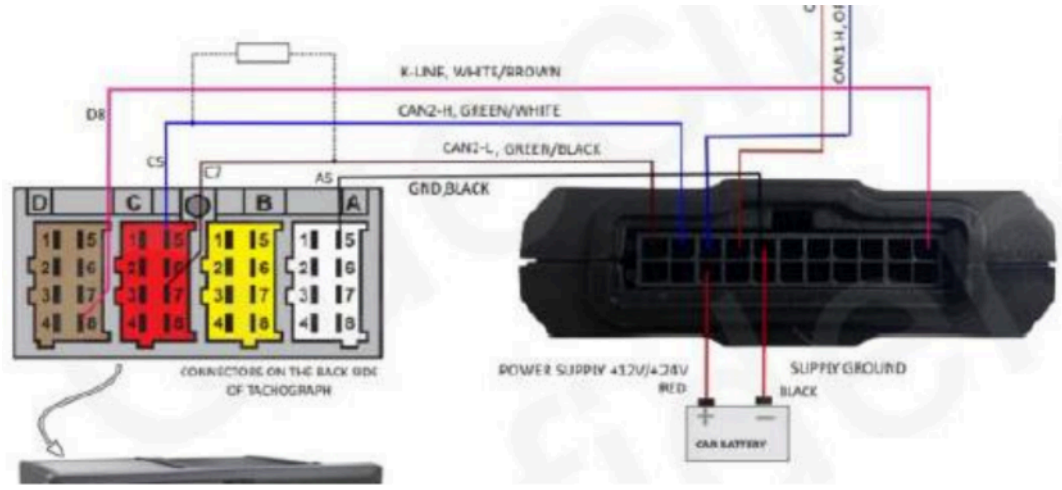
Basic recommendations:

- GPS tracker power supply connected "before the ignition"
- No **metal elements** above the GPS tracker
- GPS tracker positioned with the label **"THIS SIDE UP"** facing upwards (open sky) **(important)**
- Protect from moisture – the casing is not waterproof.
- Do not attach the GPS tracker to metal parts of the vehicle body.

Description of cable colours and functions:

1. Red – tracker power supply before the ignition (+) (from +9V= to +24V=) (VIN)
2. Black – ground (-) (GND)
3. **Purple – permanent positive after ignition (+ after ignition) (IGN SENS)**
4. CAN H – Orange-green (CAN1H)
5. CAN L – Orange-brown (CAN1L)
6. Tachograph C5 – Green-white (CAN2 H)
7. Tachograph C7 – Green-brown (CAN2 L)
8. Tachograph K-Line (D8) – White-brown (ADIN2)

Connection diagram for the tachograph:



Cables marked CAN 2 L/H are intended for DDD data retrieval and must be connected to connector C pins 5/7 of the tachograph, as shown in the diagram above. It is very important to check the resistance at pin 5/7 of connector C. The

resistance should be measured when the CAN 2 wires are connected and the tachograph is switched off. If it is 120 Ω, an additional 120 Ω resistor should be added as close as possible to the connector at the tachograph. Ultimately, the resistance at these connectors should be 60 Ω. The resistor is added to the device.

The procedure for connecting to pins C5/C7 should be as follows:

1. Tachograph switched off
2. Connector C (red) connected to the tachograph.
3. Measure the resistance between pins C5 and C7.
4. If the resistance is 120 Ω, an external 120 Ω resistor must be added. This can be done in two ways:
   - Connect the CAN2H wire and the 120 Ω resistor together and insert both into C5 (see diagram below)

   or
   - add another resistor as shown in the diagram above)



Installation of the GPS tracker in the vehicle – cable connections

To correctly install the PetSoft S3 tracker in the vehicle, you should:

- Place the tracker in a dry area of the car (preferably in the dashboard) with the label **“THIS SIDE UP”** facing upwards
- Connect [ground] [power supply "before the ignition"] [positive "after ignition"] [CAN H/L] [C5/C7/K-Line]

Description of the meaning of the LEDs on the casing

A correctly installed GPS tracker indicates its operation with LEDs as follows:

1. PWR LED – Power – steady light
2. CEL LED – Mobile network for data transmission – flashes every 1s.
3. GNSS LED – GPS satellite visibility – steady light
4. CAN LED – Communication with the vehicle's CAN bus – flashes every 1s.

Start-up

To start the device, connect the wires as described. Then log in to your GPS vehicle tracking (monitoring GPS pojazdów) account and check the vehicle's visibility on the map.

Synchronisation with the vehicle's CAN bus

To synchronise, carry out the following steps:

1. Correctly connect the CAN H/L wires
2. Connect the power supply
3. Start the vehicle
4. Go to the website https://www.monitoring-gps.net/
5. From the menu, select Help > GPS Installation
6. Enter the serial number of the tracker

7. Click “Show data” (“Pokaż dane”)
8. A “CAN synchronisation” (“Synchronizacja CAN”) button will appear
9. Click this button and wait approx. 60 seconds.
10. Click the “Show data” (“Pokaż dane”) button again
11. If synchronisation is successful, data will appear in the “Last CAN frame” (“Ostatnia ramka CAN”) box, and below, the fuel level, odometer reading and engine RPM will be displayed. If these values correspond to the actual state, this means the synchronisation process with the vehicle's CAN bus has been completed correctly.

Checking communication with the tachograph

To check communication between the GPS tracker and the tachograph:

1. Connect all necessary cables
2. Start the vehicle engine
3. Go to the website https://www.monitoring-gps.net/
4. From the menu, select Help > GPS Installation
5. Enter the serial number of the tracker
6. Click “Show data” (“Pokaż dane”)
7. A “Tacho status” (“Stan tacho”) button will appear
8. Click this button and wait 30 seconds.
9. Click the “Show data” (“Pokaż dane”) button again
10. If the message “Communication with tachograph OK” (“Komunikacja z tachografem OK”) appears, the installation has been carried out correctly.
11. If a different message appears, check the installation method.