# Installation manual for the PetSoft S3 GPS tracker, CV200 VIDEO version

*(abridged version v. 1.01)*

Tracker: S3 CV200 (video) Kit: CAN Video



## Basic recommendations:

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

## Cable colours and functions description:

1. Red – tracker power supply before ignition (+) (from +9V= to +24V=) (VIN)
2. Black – ground (-) (GND)
3. **White – permanent positive after ignition (+ after ignition) (IGN SENS)**

**Optional (CL III):**

4. CAN H – Orange-green (CAN1-H)
5. CAN L – Orange-brown (CAN1-L)
6. Tachograph C5 – Green-black (CAN2-H)
7. Tachograph C7 – Green-white (CAN2-L)
8. Tachograph K-Line (D8) – Green-brown (ADIN2)



Cables marked CAN 2 L/H are intended for DDD data collection and must be connected to connector C, pin 5/7 of the tachograph, as shown in the diagram above. A very important aspect is the resistance on 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 in the tachograph. Ultimately, the resistance at these connectors should be 60 Ω. The resistor is supplied with the device.

## Installation of the GPS tracker in the vehicle – cable connection

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

- Attach the GPS tracker to the car windscreen with the camera facing the direction of travel
- Connect [ground] [power supply "before ignition"] [positive "after ignition"] [CAN H/L] [C5/C7/K-Line]

## Start-up

To start the device, connect the wires as described. Then log in to your Monitoring-GPS.net account and check the vehicle's visibility on the map.

## Synchronisation with the vehicle's CAN bus

To synchronise, perform the following steps:

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

the installation has been carried out correctly.

11. If a different message appears, check the installation method.