

User manual

SmartDiag2GO GD201-O

Rel: 1.1

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THE DEVICE



DESCRIPTION

SmartDiag2GO is a telematic device equipped with Cellular and GNSS modules with internal antennas, gyroscope, accelerometer and Bluetooth tranceiver.

WARNINGS

Please refer exclusively to the information indicated in this manual for installation activities.
 The device was designed to be installed inside the passenger compartment room only.
 Please do not remove the warranty seals or attempt to open the device or its accessories.
 Please do not attempt to modify or use the device outside of the scopes foreseen
 Avoid device contact with water and dirt (dust)

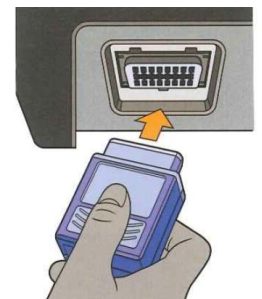
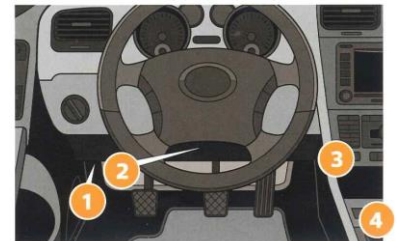
The manufacturer declines every responsibility for damages caused to goods or persons due to a misuse of the device.

DEVICE POSITIONING

Your enclosed device plugs into the On Board Diagnosis (OBD) port of your vehicle (included in all 2001 or newer vehicles).

Please follow the instructions below to install the device.

- a) Locate the OBD port in your vehicle. This port is usually located under the dashboard on the driver's side and may have a cover – the picture shows the typical vehicle OBD port location.
- b) The OBD socket of the vehicle can be easily removed from its mounting position, so to free the bracket to accept the OBD socket of the "OBD Replicator Cable" provided in the package.
 In this way the result is to have the OBD port of the vehicle exactly in the original position, and free for diagnosis and maintenance, thus allowing to have the Octo device installed in the best position possible (hidden to sight) and connected to the vehicle



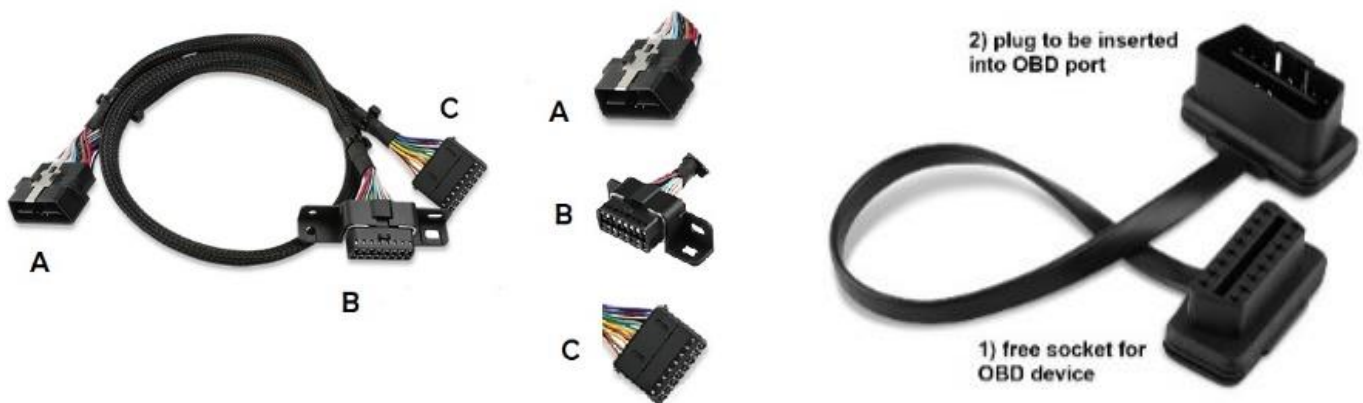
NOTE: the device initialization procedure work better if the vehicle is outside in an open area with a good Cellular signal and satellite reception.

FIXING OF THE DEVICE

Identify the best position where to fix the Octo device:

- hidden location, where the device cannot be easily seen or found.
- Presence of a chassis structural part where to fix it, not subject to autonomous vibrations
- taking care to avoid to fix it on plastic parts of the vehicle (subject to autonomous vibrations) and prefer metallic parts which are structural and chassis part of the vehicle (since the accelerometer is internal).
- Pay attention not to shield the GPS antenna side of the device leave at least 10cm from metallic parts.

Find the OBD socket of the vehicle and proceed as follows:



OBD REPLICATOR CABLE

EXTENSION CABLE

Extension cable:

Insert the Octo OBD device into the free socket at the end of the cable and insert the plug into the OBD port of the vehicle.

Fix the device as indicated below.

OBD Replicator cable:

Remove the vehicle's original OBD socket from its mounting bracket.

Find the correct accessory in the universal kit provided and install it on the "B" socket in order to adapt it to the vehicle's OBD mounting bracket.

Insert the "B" socket of the cable into the vehicle's OBD port mounting bracket (which is now free).

Insert the "A" plug of the cable into vehicle's original OBD socket and secure it with a plastic tie in an hidden and safe position.

Insert the Octo device into the "C" socket of the cable and fix it as indicated below.

Device fixing rules:

Fix the Octo device with double sided adhesive and plastic ties **where necessary to reinforce the fixing** in the chosen location, taking care to:

- Fix it properly on a structural part of the chassis (i.e.: the metallic dashboard structure) where it can detect the real movements of the vehicle and not independent vibrations (avoid plastic air duct or weak plastic parts of the vehicle)
- Avoid to shield the internal GPS antenna, leaving enough room around the device top side to allow GPS detection
- Fix the device applying the double-adhesive tape to the correct surface (see image)



Fix it carefully in a way in which it cannot detach and create danger for the drive.

The cables must in both cases be routed and secured in a way in which they do not disturb the driver and must be hidden.

The cables must be installed in a way in which they do not interfere or pass around the device itself.

The double adhesive must be used in an environment which temperature is not below 21°C or above 38°C.

Before applying the double adhesive clean the surfaces with isopropyl alcohol, the press the device on its location for at least 1 minute to ensure the adhesion.

ACTIVATION AND DIAGNOSIS PROCEDURES

If the device is not associated to an Octo voucher: perform the association procedure of the IMEI code of the device to the Octo voucher before installing it (ask to the customer care for indications).

If the device is already associated to an Octo voucher: verify the device IMEI code/plate code association.

Install the device in the OBD port, verify that the LEDs are blinking and wait 5 minutes.

To allow the vehicle identification to be completed, turn on the engine, wait 5 minutes and then turn off the engine for 5 minutes and then repeat the steps (turn the engine on for 5 minutes and then off for 5 minutes).

During this installation procedure it could happen that the MIL and other signal lamps on the dashboard are switched on: that is normal.

At the end of the procedure, switch on the engine again and verify that the dashboard does not show any signal lamp, otherwise do the following steps: turn off the engine for 5 minutes and turn it on and check again.

If the signals on the dashboard are still on, disconnect the device and contact Octo technical assistance.

The blinking mode for correct installation is: blink (one or two or three) – stop (few seconds) – blink - ...

The correct activation of the device must be verified on the Octo portal.

NOTE: the procedure requires that the vehicle is outside in an open area to have a good cellular signal and the possibility of satellite reception. Check that the terminal has been correctly associated with the contract.

CE CONFORMITY

“Octo Telematics Spa, via Vincenzo Lamaro 51 - 00173 Roma, declares that this Telematic device is compliant to the European law 2014/53/UE. The complete text of the declaration for UE conformity can be accessed to the following URL: www.octotelematics.com/certifications.”

The working frequencies of the device are reported in the following table:

Band	Max Power
GSM900 (TX : 880~915 ; RX : 925~960)	33dBm
GSM1800 (TX : 1710~1785 ; RX : 1805~1880)	30dBm
LTE Band 1 (TX : 1920~1980 ; RX : 2110~2170)	CAT M1 : 20.7dBm NB-IOT : 21dBm
LTE Band 3 (TX : 1710~1785 ; RX : 1805~1880)	CAT M1 : 22.5dBm NB-IOT : 22dBm
LTE Band 8 (TX : 880~915 ; RX : 925~960)	CAT M1 : 20.7dBm NB-IOT : 21dBm
LTE Band 20 (TX : 832~862 ; RX : 791~821)	CAT M1 : 20.7dBm NB-IOT : 21dBm
LTE Band 28 (TX : 703~748 ; RX : 758~803)	CAT M1 : 20.7dBm NB-IOT : 21dBm
BT (2402 - 2480)	3dBm

VEHICLE APPLICATION RULES

The instructions exposed in this manual are not referred to a particular type of vehicle, but they are applicable to every kind of vehicle.

Every information provided by Octo on eventual Brand and Model is to be considered as a suggestion.

The installation, positioning, fixing and connection of power lines, and eventual removal activities, must be performed professionally.

The professional installer must verify, under his own responsibility the best way to install the device on the relative vehicle.

The professional installation of the device in the vehicle do not void the vehicle’s warranty. In case of need, it is possible to download the warranty document in the “documents” area in the Installer’s Octo web profile.

Inversely, if not correctly installed, the device could void the Device’s warranty with Installer’s responsibility involved.

End of life disposal warning: When the unit has come to the end of its life, dispose of it in accordance with local regulations.

CAUTION BATTERY

Do not substitute the internal battery of the device since there is the risk of explosion if the battery is replaced by an incorrect type of battery. The disposal of the battery into or a hot oven, or mechanically crushing or cutting of a battery, can result in an explosion. Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or in the leakage of flammable liquid or gas. A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

GENERAL REMARKS – SAFETY AND LIMITATIONS OF USE

Opening the device may lead to electronic components to be exposed causing electrical shock to the user.

Do not install the device in environments outside the operating temperature range -20°C to +75 °C. Overheat may cause extreme heat or fire. Connecting the device to an incorrect power supply may result in safety related EMC issues. Use a power supply compatible with rated voltage 12 V and rated current 500 mA.

Do not use the device in environments in which it may interfere with safety related equipment, like hospital and aircrafts.

Do not use the device in conditions not compatible with IP51 grade. The water and dust can cause short circuit and damage of the device. Do not use the device in an explosive atmosphere environment. The device may generate sparks that will cause explosion.

Excessive pressure may broke the device causing injuries to the user.