

# USER MANUAL SMARTDIAG 2

Rel: 1.1

28/02/23

## DESCRIPTION

Smartdiag2 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)

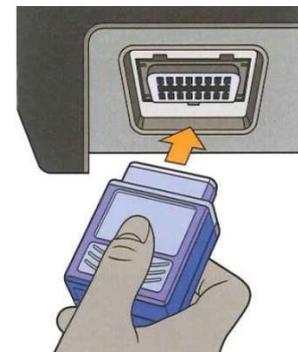
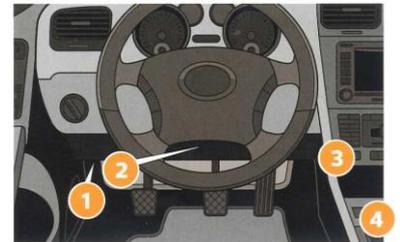
**The manufacturer declines every responsibility for damages caused to goods or persons due to a misuse of the device.**

## DEVICE POSITIONING

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

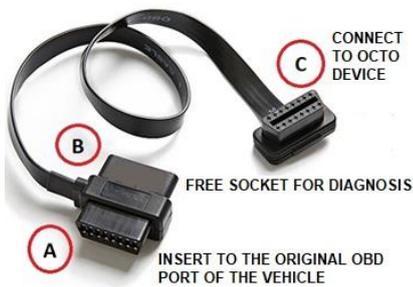
Please follow the instructions below to install the device.

- 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) Plug the device firmly into the OBD port – the picture shows how it works.  
If it should not be possible to install directly on the OBD port, follow the instructions in the following chapter.
- c) Wait a few seconds for the LED lights to turn ON, confirming successful installation.



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

## OPTIONAL FIXING OF THE DEVICE



**SPLITTER M/F CABLE**



**SPLITTER "Y" CABLE**



**EXTENSION CABLE**

Once individuated the OBD socket of the vehicle, connect the plug of the cable provided in the package.

### Splitter M/F cable:

Insert the plug (A) into the OBD port of the vehicle. Since the connector has two sides (socket/plug) you will have an OBD plug free (B) for diagnosis and maintenance.

Insert the Octo OBD device into the free socket at the end of the cable (C) and fix with double sided adhesive (included in the kit) the device in a hidden location, 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).

Take care to fix it carefully in a way in which it cannot detach and create danger for the drive.

Pay attention not to shield the GPS antenna side of the device (the cap of the device, opposite to the plug, where is the LED)

### Splitter "Y" cable:

Insert the plug (A) into the OBD port of the vehicle.

Fix the free socket (B) near the original OBD port of the vehicle, in a secure way to allow it to remain in site and be used for diagnosis.

Insert the Octo OBD device into the free socket at the end of the cable (C) and fix with double sided adhesive (included in the kit) the device in a hidden location, 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).

Take care to fix it carefully in a way in which it cannot detach and create danger for the drive.

Pay attention not to shield the GPS antenna side of the device (the cap of the device, opposite to the plug, where is the LED)

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 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 fixation.

### Extension cable:

Insert the plug (2) into the OBD port of the vehicle.

Insert the Octo OBD device into the free socket at the end of the cable (1) and fix with double sided adhesive (on the side opposite to the label side) the device in a hidden location, 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).

Take care to fix it carefully in a way in which it cannot detach and create danger for the drive.

Pay attention not to shield the GPS antenna side of the device (the cap of the device, opposite to the plug, where is the LED)

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 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 fixation.

**The cables are commercially available.**

### ACTIVATION AND DIAGNOSIS PROCEDURES

Device not associated to the Octo voucher: to associate IMEI code of the device to the Octo voucher before installing it, (ask to the customer care for indications).

Device already associated to the Octo voucher: verify the device IMEI code/plate code association.

Install the device in order to power up it and verify that the LEDs are blinking.

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

**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.

### 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.

### FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

FCC ID: 2AHR8-SDIAG2

**ISED Compliance****NOTICE:**

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.