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Communication #06

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| From: | The Organising Committee   |
| To:   | All Competitors  |
| Cc:   | The Stewards of the Meeting<br>The Clerk of the Course<br>The Secretary of the Meeting |

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|---------|---|--------|---|------------------------|---|
| Classic | X | Legend | X | Legend<br>&<br>Classic | X |
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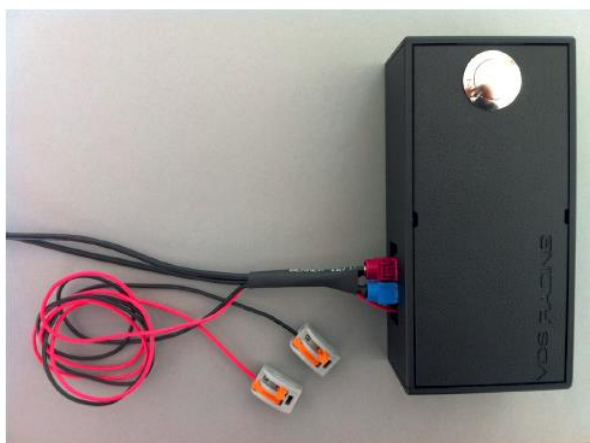
### Tracking – GPS installation Notice 2017

#### Composition of the kit

During controls, the kit will be delivered to you in a bag containing:

- 1 mounting instruction
- 1 GPS box with internal battery with 1 meter power output and Wago connectors (Dimensions: 15 x 7 x 3.5 cm)
- 1 GPS antenna (Cable length of 3 meters)
- 1 cigarette lighter charger (\* applies only to kits provided for reconnaissance)

GPS Box



GPS antenna





**Installing the equipment in the vehicle : to be done BEFORE scrutineering (installation will be checked during scrutineering)**

### *1. GPS Connection*

The power supply is directly via the car 12v cigarette lighter socket of the vehicle.

Using the car charger, connect directly to the red and black wires that come out of the GPS box using the "Wago" quick connector, respecting the polarity

Power is supplied from the vehicle battery via the circuit breaker. Loads the competitor to have installed in the front part of the passenger compartment an electrical input from the circuit breaker with a section of cables of minimum 0.75mm<sup>2</sup> and 3mm<sup>2</sup> maximum, secured with a delayed fuse of 5A.

As a precaution, it is preferable to position the fuse as close as possible to the battery. Then connect the 2 wires that come directly from the battery to the red and black wires that come out of the GPS box using the "Wago" quick connector, respecting the polarity.

### *2. Installing the GPS Box*

Be careful, you have an antenna cable length of 3 meters, knowing that it must be fixed on the roof of the car (see next paragraph for fixing the antenna).

The GPS unit must be positioned in a fixed position inside the driver's compartment, which must be facing the crew. You can fix it by rilsan, scotch or double face on the roll bar or on the dashboard. The two small orange and green LEDs **must be and remain visible**. Validation of the location and correct operation of the VDS Racing box will be done by a marshal during scrutineering. **The box has an emergency call button in case of an emergency request and an alert LED that can be activated from the Race PC.**

### *3. Installing GPS antenna*

The antenna should be positioned on the outside, on the most horizontal part of the roof of the car. The antenna is magnetized but you can cover it with scotch (Warning: do not use double-sided tape). Make sure to secure the cables (do not use tape but rilsans) that pass in the passenger compartment, to avoid any possible tearing during the climbs and descent of the vehicle by the co-driver

**ATTENTION during disassembly: do not pull and cut the antenna cable by removing the rilsans or damage the equipment (see below "Responsibilities of the competitor")**

**> Ensure that the passage of the GPS antenna cable on the door seal does not damage it. The cable can be bent by closing the door, but do not completely bend it!**



**> Any wrong triggering of the panic button (notably by incorrect fixing of the case) may be sanctioned by the race direction.**

#### *GPS kit operation*

Once plugged in (either through the cigarette lighter connector or through the direct inlet), the GPS Box will automatically turn on. The green and orange LEDs blink and then become fixed. The GPS Box is then connected. This may take several minutes. The location and operation of the ensemble will be validated by a marshal during scrutineering.

Therefore, it will be forbidden to disconnect the power supply to the GPS Box

A lithium battery internal to the case will allow electrical continuity in case of accidental power failure 12 V.