

# GPS Safety & Tracking system.

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## 1. CONTENTS

1.1. The GPS safety and monitoring device is rented during the race, installed and sealed by RallyGPS technicians during the technical checks.

1.2. Dismantling the system will be done at the end of the race or at any time from on the vehicle of a competitor that is not capable or not permitted to continue a race by a RallyGPS technician.

1.3. The system consists of the following:

- "Main Unit" - 100x55x15 mm (WxDxH)

- "SOS Button" - 15 x 20 mm - The button can be placed on the dashboard or on the motorcycle or ATV tank

1.4. The central unit is always powered on the vehicle's battery and has a spare battery if the external source is lost.

1.5. It is forbidden to disassemble the devices or disconnect the external power supply. The device is programmed to store and send a notification to the race administration in case of accidental or voluntary disconnection from the external power source (battery).

## 2. FUNCTIONS

2.1. The GPS security and monitoring device records information about vehicle every 10s (ten seconds): the geographical position, the speed and the heading. All of this informations are stored online and can be viewed and analyzed during and after the race. The system also offers real-time live tracking.

2.2 The device starts operating when it is powered by the external power supply and remains operational 24 / 24h throughout the event.

2.3 Pressing the S.O.S button for more than 5 seconds provides real time notification by transmitting the geographic coordinates, the contest number to the race administration. After pressing the S.O.S button, please prepare your mobile contact so you can communicate with the race administration.

## 3. TECHNICAL DETAILS

3.1. Dimensions



### 3.2. Electrical Specifications:

- The device must be powered at a voltage of 12 V DC.
- The consumption of electricity at a voltage of 12.6V is: 110 mA

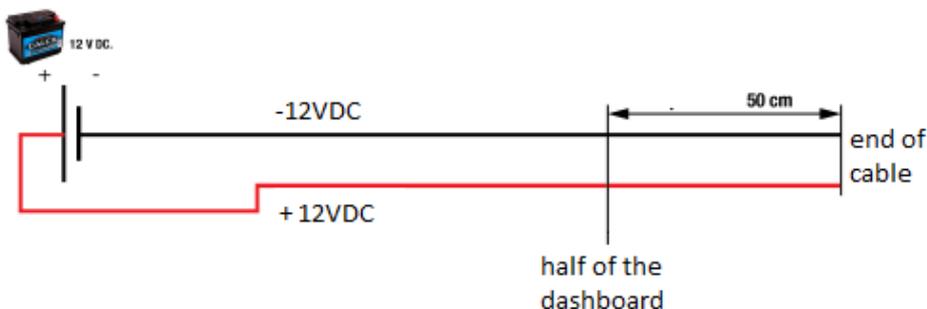
## 4. POWER SUPPLY AND CONNECTION

### 4.1 IMPORTANT !!! The general switch MUST NOT disconnect the device power.

4.2. It is the direct responsibility of competitors to provide the power from the battery of the vehicle in accordance with the specifications provided.

4.3. Power cables must be flexible (multi-wire cables), insulated cables - 2 x 1.5mm<sup>2</sup> - RED and BLACK colored.

4.4. The connection may have a fuse of 5A.



4.5. The cable must be prepared in advance by the competitors according to the above drawing, otherwise the system will not be installed on the competition vehicle.

4.6 The power cable should have an additional 50 cm (50 cm) from the middle of the dashboard / handlebars (see drawing above).

4.7 Connecting the power cable to the GPS device will be done by means of isolated connectors provided by RallyGPS.



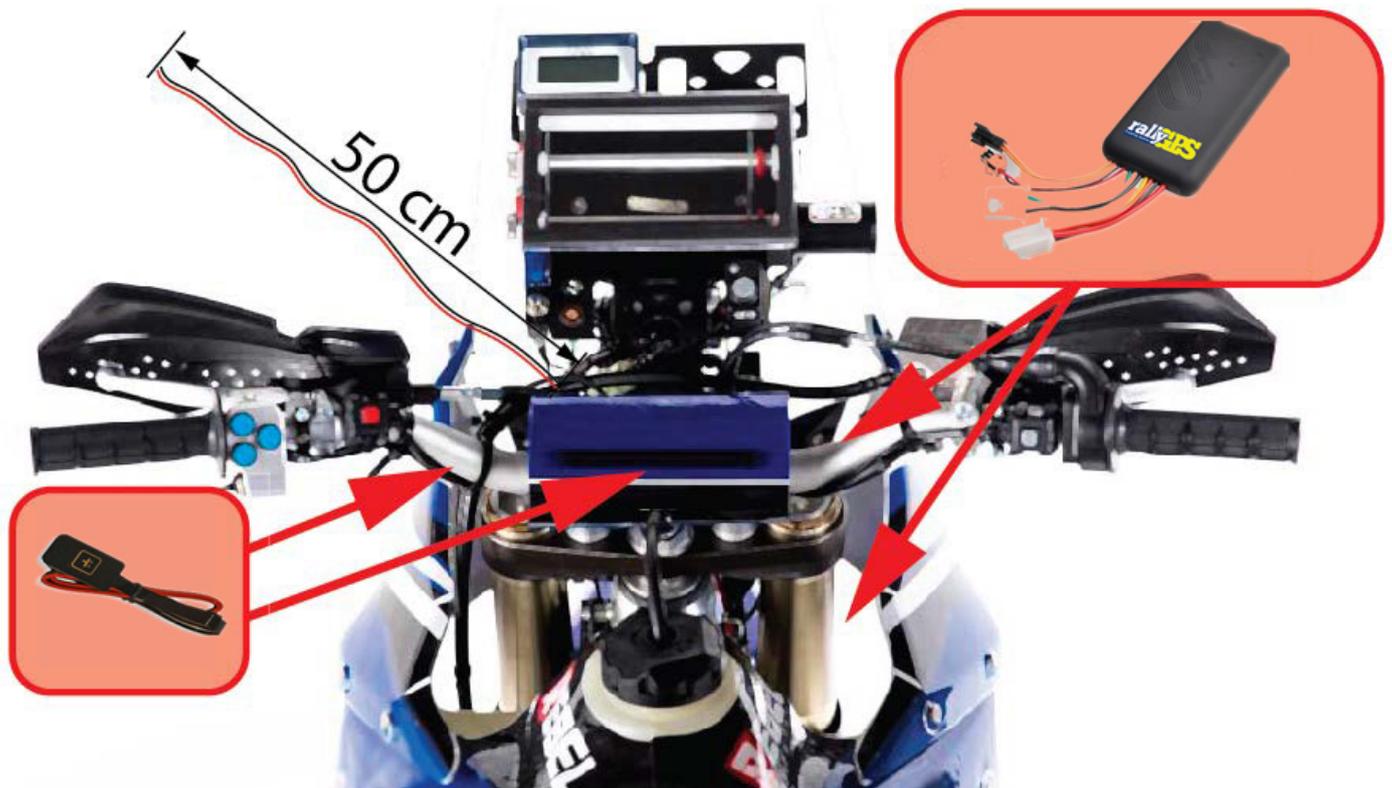
4.8 Connectors:

## 5. INSTALLATION AND SAFETY

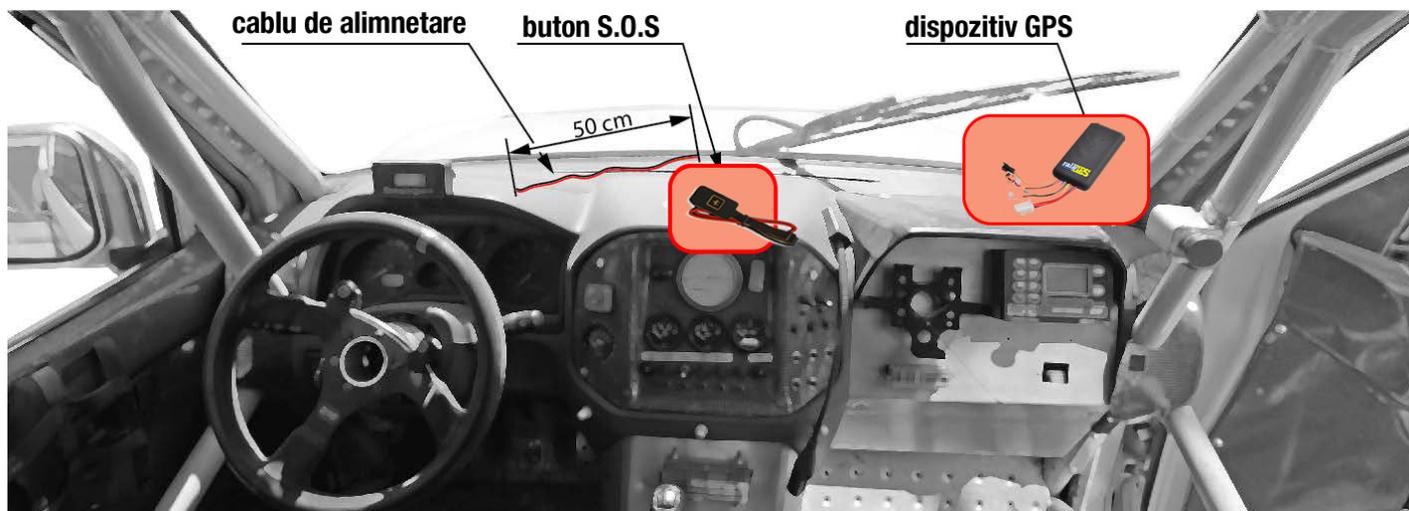
5.1. The device will be mounted by a rallyGPS technician during the technical check-up and will be made using the materials made available by RallyGPS. - Girdles, 3M self adhesive tape, connectors.

5.2 It is the sole responsibility of the competitors to provide space for the GPS device and the SOS button according to the drawings below:

MOTO/ATV



## AUTO



5.1. The mounted device will be sealed to prevent any attempt to close or remove the GSM card used to transmit the data.

## 6. TRACKING - REALTIME

6.1. The general public will have access to an interactive map that will contain information about the crews present in the race, such as: geographical position and direction of travel.

6.2. The web page address for real-time monitoring is:

<http://live.rallygps.ro>

When you first sign in, you'll need to fill out a form with your data: name, surname, phone, email, and general terms of use of the platform