



# RAID OF THE CHAMPIONS

3-5. NOVEMBER 2017.

## SUPPLEMENTARY REGULATION

T1, T2, T3, T4, TH





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## INTRODUCTION

Raid of the Champions is organised by GarZone s.r.o. and GarZone R.O.P. Kft. on 03-05. 11. 2017.

The race has the following regulations, which will apply to all drivers and competitors signing the entry form:

1. FIA International Sporting Code and it's appendices
2. FIA Cross-Country World Cup regulations
3. FIA CEZ Championship Regulations
4. Traffic Regulations of Hungary
5. Present Supplementary Regulation and it's appendices
6. Official bulletins

## SCHEDULE:

DATE	TIME	EVENT	LOCATION
29.09.2017 Friday	10:00	<u>Opening date for Entries the Secretariat</u>	GarZone s.r.o <a href="mailto:info@garzoneracing.com">info@garzoneracing.com</a>
27.10.2017 Friday	24:00	<u>Closing date for Entries.</u>	GarZone s.r.o <a href="mailto:info@garzoneracing.com">info@garzoneracing.com</a>
31.10.2017 Thursday	20:00	Publication of Entry List with Starting Number and Checking Schedule	<a href="http://www.garzoneracing.com">www.garzoneracing.com</a>
03.11.2017 Friday	10:00	<u>Opening date for the Secretariat</u> <ul style="list-style-type: none"><li>• Accreditation</li><li>• Check In</li><li>• Delivery of identification plates, advertising and Check List</li></ul>	Nyirád Motorsport Centrum N 46° 58' 11" E 17° 25' 00"
	10:00-13:00	<u>Administrative Check</u> Pickup the Safety Systems	Nyirád Motorsport Centrum N 46° 58' 11" E 17° 25' 00"
	10:30-13:30	<u>Scrutineering</u>	Nyirád Motorsport Centrum N 46° 58' 11" E 17° 25' 00"
	13:00-14:00	<u>Entrance to the Parc Fermé</u>	Nyirád Motorsport Centrum N 46° 58' 11" E 17° 25' 00"
	14:00	First Steward meeting	
	14:15	<b>Briefing</b> Publication of the Start list (Leg 1)	Nyirád Motorsport Centrum N 46° 58' 11" E 17° 25' 00"
	15:30	<b>Leg 1 START</b>	

	15:35	<b>SSS START</b>	<b>7 km</b>
	15:45	Service	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	16:15	<b>Leg 1 FINISH</b>	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	16:45	Choosing starting position of Leg 2	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	17:15	Publication of the results Leg 1. Publication of the Startlist Leg 2 Closing date for the Secretariat and Press Office	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
<b>04.11.2017 Saturday</b>	07:00	Opening of Secretariat Opening of Press Office.	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	08:00	<b>Leg 2 START</b>	
		<b>SS 2 START</b>	55 km
		<b>SS3 START</b>	55 km
		Service + Regrouping	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
		<b>SS 4 START</b>	39 km
		<b>SS 5 START</b>	39 km
		Service	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	16:00	<b>Leg 2 FINISH</b>	
	17:30	Publication of the results Leg 2. Publication of the Startlist Leg 3 Closing date for the Secretariat and Press Office	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
<b>05.11.2017 Sunday</b>	07:00	<u>Opening of Secretariat</u> Opening of Press Office.	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	08:00	<u>Leg 3 START</u>	
		<b>SS 6 START</b>	60 km
		<b>SS 7 START</b>	60 km
	12:00	<b>Leg 3 FINISH</b>	
	12:15	Final Checks	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	13:00	<u>Steward Meeting</u>	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	13:30	Publication of the results Provisional Final Classification	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"
	14:00	<u>Prize Giving Ceremony</u>	<b>Nyirád Motorsport Centrum</b> N 46° 58' 11" E 17° 25' 00"

## 1. DESCRIPTION

### 1.1 PLACE AND DATE OF THE EVENT:

The **Raid of the Champions** race is held in Veszprém counties, Nyirád area, Hungary.

### 1.2 THE RACE:

## RAID OF THE CHAMPIONS

is a

the VII. FIA Central European Zone (CEZ) Championships official double point giving race,  
Hungarian Open Cross-Country Rally Championship IV. Race with coefficient 2,  
with international participants

### 1.3 VISA NUMBER:

SAMS: 161002

MNASZ: K-0524/2017.10.19.

### 1.4 LOCATION OF EVENT HQ:

FROM 29.09.2017 TO 27.10.2017

**GARZONE R.O.P KFT.**

8200 VESZPRÉM, BUDAPEST ÚT 89. (HUN)

TEL: +36-30-791-4270

E-MAIL: [INFO@GARZONERACING.COM](mailto:INFO@GARZONERACING.COM)

WEB: [WWW.GARZONERACING.COM](http://WWW.GARZONERACING.COM)

FROM 03.11.2017 TO 05.11.2017

**Nyirád Motorsport Centrum**

N 46° 58' 11" E 17° 25' 00"

### 1.5 START CEREMONY

Not will be held.

### 1.6 PRESS OFFICE LOCATION:

LOCATION: **Nyirád Motorsport Centrum**  
N 46° 58' 11" E 17° 25' 00"

### 1.7 OFFICIAL NOTICE BORD LOCATION:

LOCATION: **Nyirád Motorsport Centrum**  
N 46° 58' 11" E 17° 25' 00"

## 2. ORGANIZER

### 2.1 ORGANIZER'S NAME:

**GarZone s.r.o.**

### 2.2 ORGANIZER'S ADDRESS AND CONTACT DETAILS:

**Raid of the Champions**

**GarZone s.r.o.**

Vel'kobláhovská 75/39, Dunajská Streda (SK)

email: [info@garzoneracing.com](mailto:info@garzoneracing.com)

web: [www.garzoneracing.com](http://www.garzoneracing.com)

### 2.3 ORGANIZER'S COMMITTEE:

Patron of the Event: .....Mr. Gábor NAGY  
.....The Mayor of Nyirád  
.....Mr. Péter OVÁDI  
.....Government Representative of Veszprém

Organising Committee: .....Mr. László POLGÁR  
.....Mr. Zoltán GARAMVÖLGYI  
.....Mr. Ferenc SCHEIBENHOFFER  
Chief Safety Officer: .....Mr. Zoltán MOLNÁR - Keletőr Security

### 2.4 STEWARDS:

Chairman of the Stewards: .....Mr. Tibor OROSZLÁN  
Members: .....Mr. György SELMECZI  
.....Mr. István LÁDI (SVK)

### 2.5 SENIOR OFFICIALS:

Clerk of the course: .....Mr. László POLGÁR  
Steward of Technical: .....Mr. László TÜSKÉS  
Chief Medical Officer: .....Mr. Dr. Márk VAJDA  
Secretary of the Rally: .....Ms. Alexandra IHÁSZ  
Competitors Relations Officer: .....Mrs. Petra ILLÉS-POLGÁR  
Press Relations Officer: .....Mr. László B.MOLNÁR

Timekeeping Results: ..... Mr. Csaba GLÜCK - ChronoMoto Kft.  
GPS Control: ..... Mr. Zsolt MARTON - M-INFO Kft.

## 2.6 IDENTIFICATION OF OFFICIALS:

MNASZ identification- everyone.

Chief Post Control: Red west, Timekeeper and Marshall: White west

## 3. ENTRIES

### 3.1 DATES:

Opening Entries: Friday 29.09. 2017 10:00 hrs  
Closing Entries: Friday 27.10. 2017 24:00 hrs

### 3.2 ENTRY PROCEDURE:

Nominations, together with the proof of cheque payment should be sent to the following address:

**GARZONE S.R.O.**

VEL'KOBLAHOVSKÁ 75/39, DUNAJSKÁ STREDA - SLOVAKIA

[INFO@GARZONERACING.COM](mailto:INFO@GARZONERACING.COM)

PHONE: +36 30/791-4270

### 3.3 NUMBER OF ENTRIES AND CLASSES:

Classes: T1, T2, T3, T4, TH

### 3.4 ENTRY FEES, OTHER:

Group T1 - T2 - T3- T4 class:	750 Euro
Group TH:	350 Euro
Basic service plate per vehicle (50 m2):	Included in Entry fee
Plus Service area (50 m2):	100 Euro
Accompanying stickers (per vehicles):	50 Euro
Mobile homes, Promo vehicle:	100 Euro
GPS TRACKING SYSTEM INSTALLER KIT	50 Euro
Rent device for GPS TRACKING System	Included in Entry fee
Caution for GPS TRACKING System	100 Euro

### 3.5 METHOD OF PAYMENT:

All entry fees must be transferred before the closing date of the entries to the following bank account: (EUR)

**GARZONE R.O.P. Ltd.**  
Bank: UNICREDIT Bank Hungary Zrt.,  
Account N°: 10918001-00000047-68630031  
IBAN N°: HU52 1091 8001 0000 0047 6863 0031  
SWIFT code: BACXHUHB  
note: „ENTRY FEE FOR ROC 2017 (DRIVER'S NAME)”

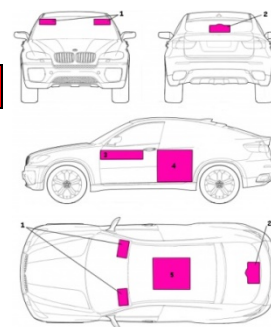
The entry form can only be accepted together with the certificate of payment of the entry fee. Entries after the closing date of the entries will be considered as „Entry on spot” (150%). With the signing the entry form of particular race, contestants agree that GPS system operator give their data to the organizer, leader of the race and the TRSB.

### 3.7 SAFETY EQUIPMENT: Pay, administrativ check!

GPS + Overtaking system rental ..... Included in Entry fee  
GPS + Overtaking system installation package (rent).....100 €

#### 4. INSURANCE

Insurance information according to 2017. General Prescription.



#### 5. ADVERTISING

##### 5.1 ADVERTISEMENTS:

The logos will be published in Bulletin!

1. Two strips 10 cm (high) x 25 cm (wide) on each side of the upper part of the windscreen - TBA
2. One rally plate 43x21 cm placed vertically at the rear of the vehicle - compulsory
3. Two race number panels 67 cm x 17 cm - compulsory
4. Two 50 cm x 52 cm panels with the optional advertising - TBA

More: in Bulletin!

#### 6. IDENTIFICATION

Rally plates, contestants name, ID

#### 7. TIRES

According MNASZ General Prescription and Art nr 19. in the Supplementary Regulation

#### 8. FUEL

Commercially available fuel must be used, which doesn't contain any additives increasing the octane nr. Fuelling only at the marked Petrol Stations in the Road Book.

#### 9. ADMINISTRATIVE CHECK

##### 9.1 LOCATION: NYIRÁD MOTORSPORT CENTRUM

GPS COORDINATE: N 46° 58' 11" E 17° 25' 00"

##### 9.2 TIMES SCHEDULE:

FRIDAY 03.11.2017. 10:00-13:00 HRS

GPS tracking system rental is compulsory before the checking. (M-Info)

##### 9.3 DOCUMENTS TO BE PRESENTED:

- Competitor's licence
- Driving licence
- Vehicle registration document
- Compulsory car insurance policy
- Permission licence(who is concerned)
- Variety of authorization

#### 10. TECHNICAL SCRUTINEERING, SEALING AND MARKING

##### 10.1 LOCATION: NYIRÁD MOTORSPORT CENTRUM,

GPS COORDINATE: N 46° 58' 11" E 17° 25' 00"

ANY MEMBER OF THE TEAM CAN TAKE THE VEHICLE FOR THE TECHNICAL SCRUTINEERING.

##### 10.2 TIMES / SCHEDULE:

FRIDAY 03.11.2017 10:30-13:30 HRS

##### 10.3 PARC FERME:

After the technical scrutineering the crews must place the vehicles in Parc Fermé, located in Veszprém, Nyirád Motorsport Centrum from 13:00 h to 14:00 h on Friday, 03. November.

At the end of Leg 1, the crews must place the vehicles in Parc Fermé, located in the Nyirád Motorsport Centrum according time schedule of the event on Friday, 03. November.

At the end of Leg 2, the crews must place the vehicles in Parc Fermé, located in the Nyirád Motorsport Centrum according time schedule of the event on Saturday, 04. November.

At the end of Leg 3, the crews must place the vehicles in Parc Fermé, located in the Nyirád Motorsport Centrum according time schedule of the event on Sunday, 05. November.

#### 10.4 NECESSARY CONDITIONS:

- Competing vehicle
- Gps devices and Tracking systems fitted, in working condition.
- All rally panels, competition numbers and advertising panels fitted properly to the required places.
- Scrutineering Sheet- filled up
- Homologation Form, valid Technical Passport
- Compulsory fire-resistant clothing, requirement corresponding helmets and FHR system/ according to General Prescription
- Technically corresponding and approved size fire extinguisher properly fitted in the car Warning triangle, survival kit

#### 10.5 SAFETY REQUIREMENTS:

It is obligatory for all competitors to use the GPS tracking and vehicle to vehicle signalling system (M-Info). System must be rented before administrative checks.

### 11. SUPERSPECIAL STAGE

#### 11.1. LOCATION:

The Superspecial Stage will be held on Raid of the Champions, 03th November 2017. 15:35.

### 12. START OF THE EVENT

#### 12.1 PUBLICATION OF STARTING LISTS

ACCORDING TO PROGRAMME.

#### 12.2 BRIEFING

ACCORDING TO PROGRAMME.

A WRITTEN BRIEFING (IF NECESSARY) WILL BE GIVEN TO COMPETITORS AT THE PREVIOUS LEG.

#### 12.3 PARC FERMÉ BEFORE THE OFFICIAL START

IN THE START PARC FERMÉ CREWS SHOULD BE READY 15 MINUTES BEFORE THE INDIVIDUAL IDEAL STARTING TIME.12.4

#### 12.4 START CEREMONY:

NOT WILL BE HELD!

### 13. RUNNING OF THE EVENT

#### 13.1 ROAD BOOK PROVIDING

Briefing

#### 13.2 LIMITED TIME DELAY

Maximum delay between two TC is 30 minutes per Leg. Exceeding this time, competitors will be excluded from the race.

#### 13.3 FIXED PENALTY

On racing days, those competitors who got fixed penalties can restart to the race- at the stages of IE/TC 11, IE/TC 17. until the first vehicle's planned time, in compliance with the other rules described in the Hungarian General Prescriptions rule book. The road book and the time-card included the maximum times.

#### 13.4 EARLY CHECK IN AT THE END OF LEG:

In case of early arrival at the end of Leg to the Parc Ferme Finish, at the time controls, competitors will not be penalized.

#### 13.5 TIME CARD PROVIDING/EXCHANGES

Time cards will be provided to the participants each day before starting of the Leg, which has to be returned at the Finish. Time card change in Regrouping.

#### 13.6 PARC FERMÉ:

Between Legs, all vehicles must be placed to the Parc Ferme( for the night).

Location: Nyírád Motorsport Centrum

#### 13.7 FAULT START:

Vehicles, that cannot take the Start- in accordance with the Hungarian General Prescriptions point 41.1 can be pushed out from the timecontrol zone.

13.8 In the event of special stages average altitude is between 0 and 1000 meters!

#### 14. SERVICE PARK

14.1 WORK ON A COMPETING CAR WILL BE PERMITTED ONLY AT SERVICE AREAS SPECIFIED BY THE ORGANIZATION.

LOCATION: NYIRÁD MOTORSPORT CENTRUM

14.2 OTHER: **REFUELLING AND WASHING IN THE SERVICE PARK AREA IS PROHIBITED!**

Refuelling and washing in the Service Park area is prohibited. Filling stations and Carwashes are indicated in the Road Book for each Legs.

Entry will be permitted only to Service Vehicles showing the Service Plates. Accompanying team cars can enter only by purchasing a 10.000HUF sticker at the Administrative Checks.

Using a min 5x4m protector canvas under the racing vehicles is mandatory. 1pc at least 4kg validated manual fire extinguisher is mandatory. Each service team has to ensure that after carrying out their activities on the site, they do not leave any pollutants. They will be checked by the scrutineers, and not complying will entail a 50.000HUF fine.

**The Organizer calls the attention of the participants, that the Service Park is not guarded at night time!**

#### 15. PROTEST AND APPEALS

15.1 PROTEST FEES:

General:	350 euro
Technical:	350 euro

#### 16. FINAL TECHNICAL SCRUTINEERING

LOCATION: NYIRÁD MOTORSPORT CENTRUM

Time: 05.11.2017 FROM 12:15

#### 17. RESULTS

The Provisional overall classification will be published on the official notice board in the Rally H.Q. in Nyirád Motorsport Centrum at Sunday 05. November 2017 13:30 h

#### 18. PRIZES

18.1 PRIZE GIVING CEREMONY:

LOCATION: NYIRÁD MOTORSPORT CENTRUM

TIME: SUNDAY 05. NOVEMBER 2017 14:00 H

Absolut	1-3	-	cup
Category	1-3	-	cup

#### VISA NUMBER:

SAMS: 161002

MNASZ: K-0524/2017.10.19.

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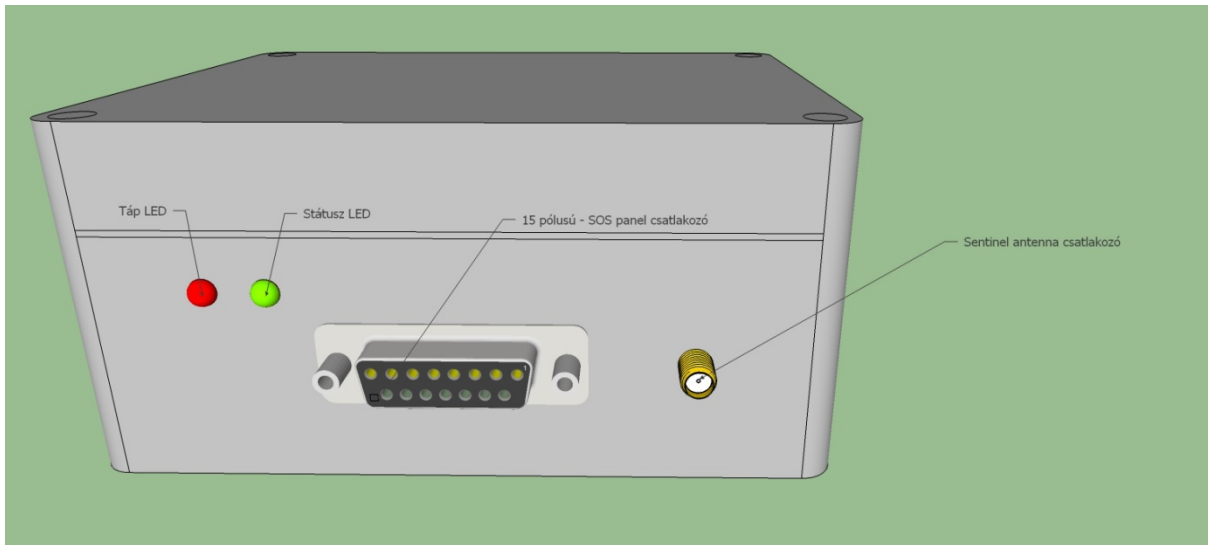
Varga Imre  
szakágvezető



# Raid of the Champions 2017

## APPENDIX IV. Tracking System

### Rallyinfo.hu - Technical description of the operation of the GPS system V1



Pic. No. 1.: **GPS box**  
110g

Sizes: 115x90x55mm

Weight: 340g + pipe clamps

#### **General operating principle of GPS measurements:**

The GPS is an advanced positioning system for three-dimensional position determination, timing and velocity measurements can be carried out by land, sea or air. Accuracy is typically of the order of meters, but the environmental conditions can affect significantly. In the sky from the flat ground there are 7-25 satellites visible at the same time, of which for positioning at least three, for the height above sea level one additional satellite is necessary for determination. The GPS satellites are broadcasting at six frequencies. Each satellite broadcasts spread spectrum signal which may be "pseudo-random noise" called for.

The positioning is based on the theory of analytic geometric methods. The satellite positioning system is based on timing recycle distance measurement. Since we know the velocity of radio waves, and we know the date of issue and receipt of radio waves, can be determined based on the distance of the source of these. In the three-dimensional space knowing the exact measured distance from three known positions we are able to determine the position. Measuring the distance with other satellites we are able to improve this value.

Cause A significant distortion in the system can be caused by the effect of atmospheric to the radio waves. At the description of the calculations we assumed that to simply calculate with the distance = rate x time formula. This is true, but that the speed of radio waves are only constant in the vacuum pressure.

## **Evaluation of data**

The evaluation of uploaded data can be determined in two different ways.

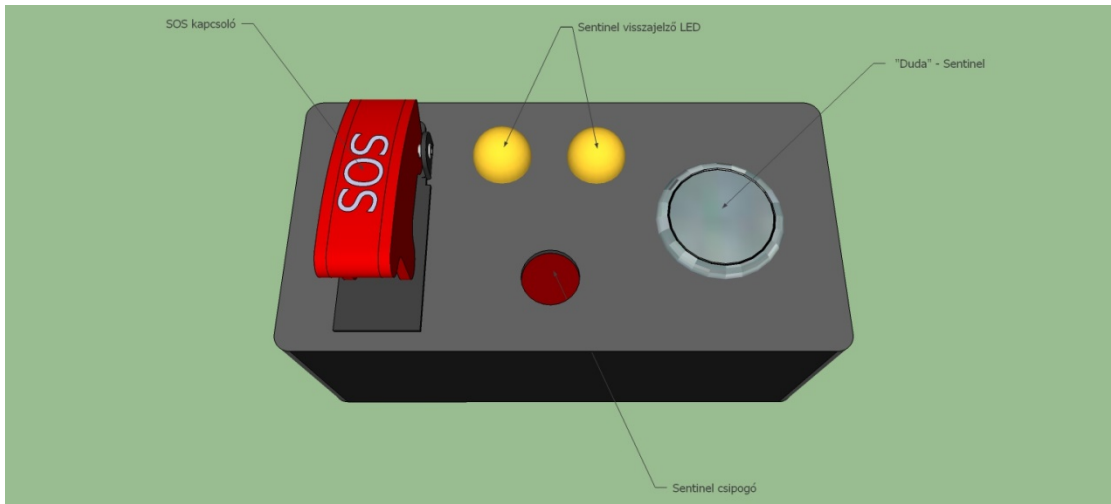
Initial assessment of the competition supervision interface, real time data available online. This means the data that the device has been uploaded to the central database and downloaded online, analyzed by the supervisory program. The yet uploaded, or not yet analyzed data will be carried over in the subsequent analysis. Not uploaded data case occurs when the device is in the absence of strength of GSM signal, and can not upload data to the central database. In the case where the data is available online in the database, but local network is busy or the downloads has interrupted due to bad network relationship, then the analysis of loss data only partially can take place online.

Alternate method is retrospective data analysis. In this case, the data collected what has been received by a specified time interval sets the database to a file, and the data can be evaluated from point to point.

## **Sentinel function**

The device has a frequency of 433 MHz using radio module, which is broadcasting the data of an encoded in advance "bagpipe" and SOS functions corresponding sets of data, for the tools staying in range. The range distance can be greatly affected by ambient atmospheric conditions and terrain. The device has adjustable transmission power. This value is not possible adjustable during the race. Currently, the Sentinel has two functions:

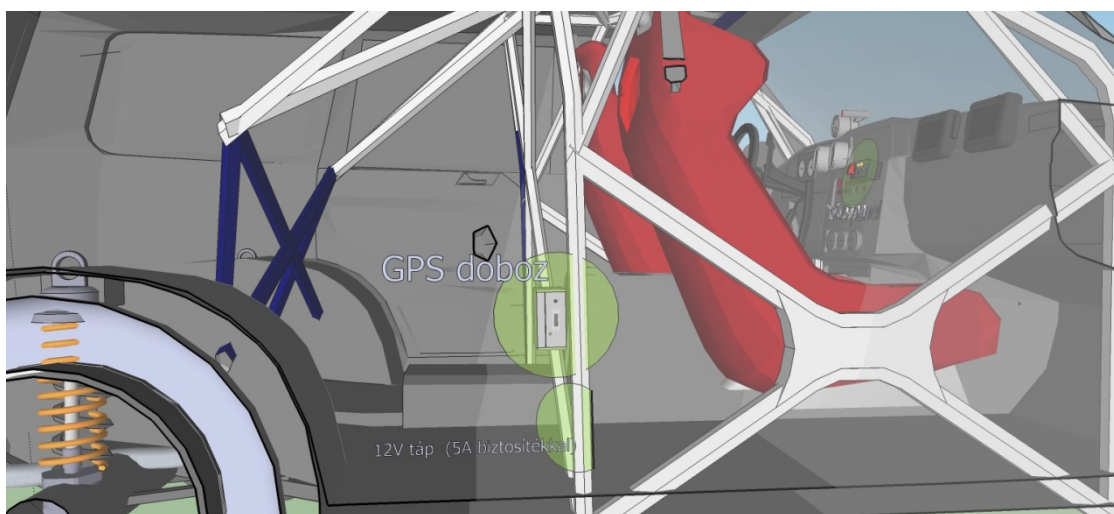
- "Toot" function, which indicates the overtaking intent of a Sentinel equipped car up to 100m distance. Pressing the SOS button, placed in the box, a red LED indicates the start, which lasts for 5 seconds. In the event that the other device receives the sent signal, then this confirms to the sending device and the server uploads the signal, and at the same time, in the overtaken vehicle's SOS panel's LED will lit blue with a beep sound (continuous), and in the overtaker's vehicle the LED color changes from red to blue light, no beep sound here. The indicator remains on the overtaken's vehicle for 10 seconds. Then, each signal is switched off until a next signal.
- Send SOS signal devices within range. This feature will be active if on the SOS panel, the SOS switch is turned on. Send the device continues the signal, until the SOS switch is turned on. In the case where a device receives the SOS signal, on the SOS panel the red and blue LED will blink, with a pulse (0.5 s) alarm signal, as long as is still within range. This feature requires a power supply operation.



Pic.No. 2.: **SOS Panel**      Sizes: 95x48x67m .....Weight: 120 g

### Tool installation

- SOS panel, Sentinel antenna placement: Previously purchased SOS panel's red and black wires with the 2poled TMWS2T connector must be connected to the 5A fuse mating port (horizontal shoe positive, vertical shoe negative polarity), 15 poled connector's end has to be wired with the right B column. SOS panel should be placed on the dashbord in such a way that both the driver and the navigator can reach. The adhesive antenna supplied shall be affixed to the top right corner of the windshield horizontally, the end of the cable wired to the right-hand column B.
- Installing the device: The device received at the Administrative check must be connected to the previously purchased and installed SOS panel and Sentinel antenna. The device must be fixed in the right column B with 2 clamps so that the device does not move and the visibility ensured.



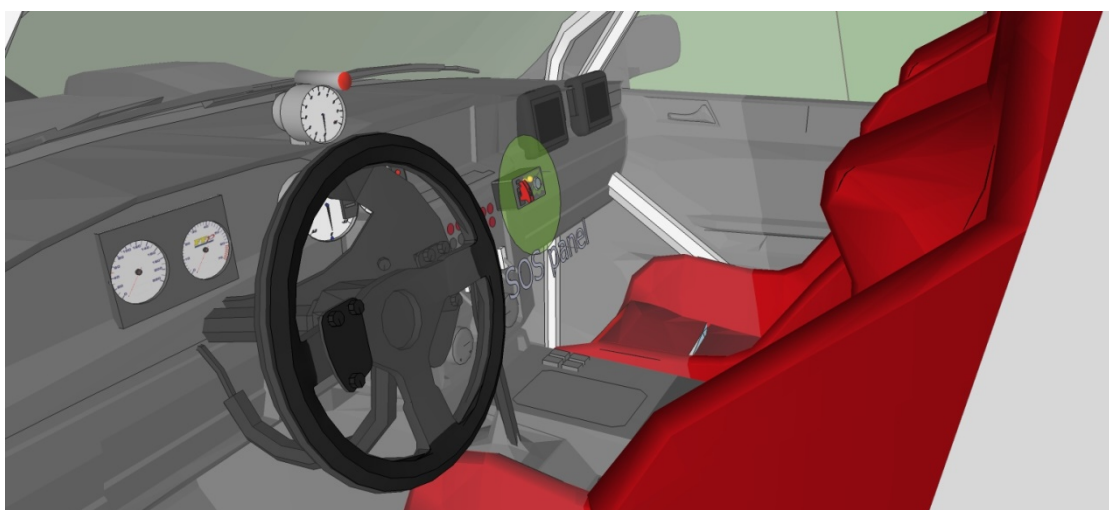
Pic.No. 3.: How to install 1.4



Pic. No. 4.: How to install 2.4



Pic. No. 5.: How to install 3.4



Pic. No. 6.: How to install 4.4



- To verify the functionality of the device will take place at the Technical Scrutineering .
- At the end of the race the device should be returned to the colleagues, where the deposit will be repayed. In case if the device has any problem, until identifying the problem, the competitor is entitled to the deposit only after a corresponding deduction.

**More info:**                    **+36302413111**    -                    **Marton Zsolt**