



# DUNA ASZFALT CUP

**KECSKEMÉT, 2016.03.18-20. BUGAC**



**HUNGARIAN OPEN CROSS-COUNTRY RALLY CHAMPIONSHIP  
I. RUN(2x)  
CEZ CHAMPIONSHIP, I. RUN(2x)**

# SUPPLEMENTARY REGULATION

**T1, T2, T3, T4, TH, CH**

## CONTENTS:

INTRODUCTION .....	2
SCHEDULE: .....	3
1 DESCRIPTION .....	5
2 ORGANIZATION .....	6
3 ENTRIES .....	7
4 INSURANCE .....	8
5 ADVERTISEMNETS .....	8
6 IDENTIFICATION .....	8
7 TYRES .....	8
8 FUEL .....	8
9 ADMINISTRATIVE CHECKS .....	9
10 TECHNICAL SCRUTINEERING AND MARKINGS .....	9
11 SUPERSPECIAL .....	9
12 START OF THE EVENT .....	10
13 RUNNING OF THE EVENT .....	10
14 SERVICE PARK .....	11
15 PROTESTS .....	11
16 FINAL TECHNICAL SCRUTINEERING .....	11
17 RESULTS .....	11
18 PRIZES .....	11

## INTRODUCTION

**Duna Aszfalt Cup Bugac 2016.** is organised by VITAL-SZIGET Kft. on 18-20. March 2016.

The event will take place in accordance with the following regulations, to which all drivers and competitors will be bound by signing the entry form:

- The FIA International Sporting Code (and its appendices),
- General prescriptions of the FIA Cross-Country Rallies,
- General prescriptions of the Hungarian Cross-Country Rallies.
- The present Supplementary Regulations and its appendices,
- Official bulletins,

**Total distance: 384,34 km,**

18. March 2016 **58** km, **SSS** 11,3 km,

19. March 2016 **232** km, **SS2** 109 km, **SS3** 109 km,

20. March 2016 **100** km, **SS4** 109 km.

**SCHEDULE:**

DATE	TIME	EVENT	LOCATION
<b>15.02.2016</b> <b>Monday</b>	10:00	<u><b>Opening date for entries.</b></u> <u>Opening of Secretariat.</u>	<b>Vital-Sziget Kft.</b> 2230 Gyömrő, Mátyás Király u. 34/3 <a href="mailto:attila.csato@gmail.com">attila.csato@gmail.com</a>
<b>11.03.2016</b> <b>Friday</b>	18:00	<u><b>Closing date for Entries.</b></u> <u>Closing of Secretariat.</u>	<b>Vital-Sziget Kft.</b> 2230 Gyömrő, Mátyás Király u. 34/3 <a href="mailto:attila.csato@gmail.com">attila.csato@gmail.com</a>
<b>18.03.2016.</b> <b>Friday</b>	09:00	Opening of Secretariat.	<b>Gokart Hotel</b>
		Opening of Press Office.	Kecskemét, Szent László Krt.64
	09:00 – 12:00	Collecting of safety equipment.	
	09:30 – 12:00	<u><b>Administrative checks.</b></u> <u>Distribution of roadbooks</u>	
	10:00 – 13:00	<u><b>Technical scrutineering.</b></u>	<b>Renault Formont</b> Kecskemét.Külső Szegedi út 53
	14:00	First Stewards' meeting	<b>Gokart Hotel</b>
	12:00-13:30	Pre-start Parc-ferme	<b>Gokart Hotel</b>
	15:00	Briefing.	<b>Gokart Hotel</b>
		Posting of the Start List	
	16:00	Start of Leg 1.	<b>Gokart Hotel</b>
	16:30	<b>SSS START.</b>	<b>Jakabszállás</b>
	17:00	Service	<b>Bugac, Táltos Lovaspanzió</b>
	19:00	Publication of the provisional results of Leg 1	Bugac , Táltos Lovaspanzió
	19:30	Publication of Start List of Leg 2. Closing of Secretariat	
<b>19.03.2016</b> <b>Saturday</b>	08:00	Opening of Secretariat.	<b>Bugac, Táltos Lovaspanzió</b>
		Opening of Press Office	Bugac, Nagybugac 135.
	09:00	Start of Leg 2	<b>Bugac, Kultúrház</b>
	09:13	<u><b>SS 1 START</b></u>	Bugac
	11:40	<u><b>Service</b></u>	<b>Bugac, Táltos Lovaspanzió</b>
	13:13	<u><b>SS 2 START</b></u>	Bugac
	14:40	<u><b>Service</b></u>	<b>Bugac, Táltos Lovaspanzió</b>
	17:10	Finish of Leg 2	<b>Bugac, Kultúrház</b>
	18:30	Publication of the provisional results of Leg 2	<b>Bugac, Táltos Lovaspanzió</b>
	19:00	Publication of Start List of Leg 3 Closing of Secretariat.	

DATE	TIME	EVENT	LOCATION
<b>20.03.2016</b> <b>Sunday</b>	09:00	Opening of Secretariat	<b>Bugac, Táltos Lovaspanzió</b>
		Opening of Press Office	
	10:00	START of Leg 3	<b>Bugac, Kultúrház</b>
	10:13	<b>SS 3 START</b>	Bugac
	11:45	Finish of Leg 3	<b>Bugac, Táltos Lovaspanzió</b>
	from 11:50	Final	
		Technical Scrutineering	<b>Bugac, Táltos Lovaspanzió</b>
	13:30	Publication of Provisional Classification	<b>Bugac, Táltos Lovaspanzió</b>
	14:00	Publication of Final Official Classification	
	14:30	<b>Prize Giving</b>	



## 1 DESCRIPTION

### 1.1 LOCATION AND DATE OF THE EVENT:

**Duna Aszfalt CUP Bugac** will be held in Hungary, in Bács-Kiskun county, near Bugac, Bugacpusztaháza, Fülöpjakab, Kunszállás, Jakabszállás, Szank, Bócsa, Mórícgát

**18.03.2016**

**Kecskemét, Gokart Hotel:** Administrative checks and Scrutineering at the designated time and for the designated vehicles, start ceremony.

**Superspecial:** Jakabszállás,

**Servicepark:** Bugac, Táltos Lovaspanzió.

**Day Finish :** Bugac, Kultúrház

**19.03.2016**

**Bugac:** start, Special stages: Bugac 1 - Servicepark, Bugac 2 - Servicepark.

**Day Finish:** Bugac, Kultúrház

**20.03.2016**

**Bugac:** start, Special stages: Bugac 3

**Day Finish:** Bugac, Táltos Lovaspanzió. Prize Giving: Bugac, Táltos Lovaspanzió.

### 1.2 THE EVENT:

## Duna Aszfalt Cup Bugac

1st round of

**OPEN HUNGARIAN CROSS-COUNTRY RALLY CHAMPIONSHIP**

with coefficient 2,

**and 1st round of FIA CEZ TROPHY**

with coefficient 2,

with international participants

### 1.3 VISA NUMBER:

**MNASZ K- 53 / 2016.02.23.**

### 1.4 LOCATION OF EVENT HQ:

Location: **1, H-6000 KECSKEMÉT, SZENT LÁSZLÓ KRT.64. GOKART HOTEL**

GPS: N 46°52'59.19" E 19°41'44.61"

**2, H-6114 BUGAC, NAGYBUGAC 135. TÁLTOS LOVASPANZIÓ**

GPS: N 46°40,259' E 19°39,227'

Time: SEE ABOVE AT SCHEDULE

## 1.5 LOCATION OF START AND FINISH:

### Start Ceremony:

Location: **KECSKEMÉT, GOKART HOTEL**

Time: **18.03.2016 16:00**

## 1.6 LOCATION OF PRESS CENTRE:

Location: **TÁLTOS LOVASPANZIÓ, BUGAC, NAGYBUGAC 135.**

**GPS: N 46°40,259' E 19°39,227**

## 1.7 Location of Official Notice Board:

Location: **TÁLTOS LOVASPANZIÓ, BUGAC, NAGYBUGAC 135.**

**GPS: N 46°40,259' E 19°39,227**

## 1.8 The average altitude above sea level of the Selective Sections:

The average altitude above sea level of The Duna Aszfalt Cup Selective Sections is under 1000 metres. Based on these the size of the competition vehicles air restricting according to the Rule Book 9.2.4 points.

## 2 ORGANIZATION

### 2.1 ORGANISER'S NAME:

**Vital-Sziget Kft.**

### 2.2 ADDRESS & CONTACT DETAILS:

**Vital-Sziget Kft. 2230 Gyömrő, Mátyás Király u. 34/3.**

Responsible for the Event: **Csató Attila**

Tel.: +36 20 9 71 88 85, attila.csato@gmail.com

### 2.3 ORGANISING COMMITTEE:

Patron of the Event:.....Mr László Szabó, Mayor of Bugac

Organising Committee :..... Mr Attila Csató

Clerk of the Course: ..... Mr László Polgár

Chief Safety Official:..... Mr István Petrovics

Secretary of the Rally:.....Ms Tímea Tóth

Press Relations Officer:..... Dr. Rita Kónya

### 2.4 STEWARDS:

Stewards' Meeting Chairman:..... Mr Tibor Oroszlán

Members: ..... Mr István Ládi (SK)

.....Mr György Selmeczi

### 2.5 OFFICIALS:

Clerk of the Course: ..... Mr László Polgár

Chief Technical Inspector : ..... Mr László Tüskés

Chief Technical Scrutineer:.....Mr Zoltán Balla

Chief Medical Officer: ..... Dr. Lajos Kerekes

Chief Safety Officer: ..... Mr István Petrovics  
 Secretary of the Rally: ..... Ms Tímea Tóth  
 Crews Relations Officer: ..... Ms Gabriella Kulcsár  
 Press Relations Officer: ..... Dr. Rita Kónya  
 Timekeeping: ..... ChronoMoto Kft.  
 GPS Control: ..... M-Info Kft.

## 2.6 IDENTIFICATION OF OFFICIALS AND MARSHALS:

MNASZ identification- everyone.

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

## 3 ENTRIES

### 3.1 DATES:

Opening date for entries: 15.02.2016  
 Closing date for entries: 11.03.2016

### 3.2 ENTRY PROCEDURE:

Entry forms together with the certificate of payment should be sent to the following address:

**Vital-Sziget Kft.**

H-2230 Gyömrő, Mátyás Király utca 34/3.

e-mail: attila.csato@gmail.com

### 3.3 NUMBER OF ENTRIES, GROUPS, CLASSES:

Groups announced: T1, T2, T3, T4, TH, Ch

### 3.4 ENTRY FEES, OTHERS:

**Group T1 - T2 - T3 – T4: (without advertising x1.5) ..... 650 €**  
**Group TH: (without advertising x1.5) ..... 350 €**  
**Group Challenge: (without advertising x 1.5). ..... 200 €**  
**Team registration: ..... 100 €**  
**Basic service plate per vehicle (50 m<sup>2</sup> area): ..... Included in Entry fee!**  
**Plus Service area 50 m<sup>2</sup> ..... 60 €**  
**Over 3,5 T service vehicles, service vehicle entry permission (Windshield sticker):**  
**..... 30 €**

For a Service area up to 50m<sup>2</sup>, max 2 entry permission can be purchased!

Teams, who might want to enter with more vehicles, must purchase an additional 50m<sup>2</sup> service area, with additionl 2 entry permission to purchase. Service areas requested and the number of service vehicles has to be indicated on the Entry form.

**Mobile homes, Promo vehicle ..... 60 €**  
**Complementary compulsory liability insurance..... Insurance paid on the spot!**  
**GPS + Overtaking system rental ..... 40 €**  
**Caution for GPS + Overtaking system ..... 150 €**

**GPS + Overtaking system installation package: you can buy it for 50 € or you can rent it for 20 €.**

On-site registration: Registration after the 'Deadline for entries' is considered on-site registration for the organizer! (150% of the entry fee). On-site entry is only possible if the crew will send their entry form to the organizer up to the entry deadline, and 50,000 HUF -paid in advance

The entry form will only be accepted in case of confirmation of the entry fee / advance payment of the entry fee.

### **3.5 METHOD OF PAYMENT:**

All entry fees must be transferred before the closing date of the netries to the following bank account:

**Vital-Sziget Kft.**

**K&H Bank Számla szám: 10401093-50505557-51491006**

**Közösségi adószám: HU14567810**

**IBAN: HU55 1040 1093 5050 5557 5149 1006**

**SWIFT: OKHBHUHB**

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 TRSZB.

## **4 INSURANCE**

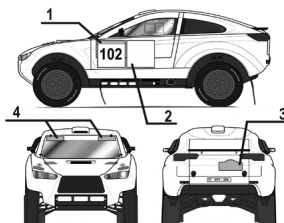
According to INSURANCE INFORMATION 2016.

## **5 ADVERTISEMNETS**

### **5.1 ADVERTISEMENTS:**

1. 2 pcs Start number with advertisements of the CCR Committee
2. 2 pcs Advertisement plates (containing:)
3. 1 pc Rally plate (43x21cm)
4. 2 pcs (25x10cm) windscreen sticker

Others: in Bulletin!



## **6 IDENTIFICATION**

MNASZ (ASN) General Prescriptions Art. 15. Rally plates, names of driver and co-driver(s), ID card.

## **7 TYRES**

MNASZ (ASN) General Prescriptions Art. 12

## **8 FUEL**

Commercially available fuel must be used which cannot contain water and additives other than commercially available and not increasing the octane number. Refuelling at fuelling stations, refuelling zone mentioned in roadbook.



## 9 ADMINISTRATIVE CHECKS

**9.1 LOCATION: H-6000 KECSKEMÉT, SZENT LÁSZLÓ KRT.64 GOKART HOTEL**

**9.2 TIME AND SCHEDULE:**

**18.03.2016**

**9:30 – 12:00**

Safety equipment must be collected before the administrative checks. (M-Info)

**9.3 DOCUMENTS TO BE PRESENTED:**

- Entrant and competitor licences
- Driving licences
- Vehicle registration documents
- Car insurance policy
- Start permission (if needed)
- Authorisations

## 10 TECHNICAL SCRUTINEERING AND MARKINGS

**10.1 LOCATION: RENAULT FORMONT ,H-6000 KECSKEMÉT, KÜLSŐ SZEGEDI ÚT 53.  
GPS: N 46°52'54,90" E 19°42'22,90"**

**ANY MEMBER OF THE TEAM CAN TAKE THE VEHICLE TO THE TECHNICAL SCRUTINEERING.**

**10.2 TIME AND SCHEDULE:**

**18.03.2016**

**10:00 – 13:00**

**10.3 PARC FERMÉ:**

Following the technical scrutineering, each vehicle must be set in Parc Fermé for the starting preparation **18.03.2016.** between **12:00 and 13:30** See 12.1.

**10.4 REQUIREMENTS AT TECHNICAL SCRUTINEERING:**

- Vehicles must be presented with all start numbers, rally plates, and advertisements fixed properly on the designated place.
- Tracking equipment and inter-vehicle signalling system installed and operable,
- All personal safety equipment (eg.: helmet, fireproof clothing, gloves, FHR, fireproof underwear, etc.) must be presented.

**10.5 SAFETY REQUIREMENTS:**

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

## 11 SUPERSPECIAL

**LOCATION: JAKABSZÁLLÁS**

**TIME: 18.03.2016**

**16:30**

**It is compulsory to take part in the superspecial!**

**Start position selection for day 2:**

**Start order of 19. 03. 2016, will be published on the basis of the SSS result, taking into account the first five chosen starting place according to the**

**Supplementary Regulation. Choosing the Starting Position takes place at the Start Ceremony on 18.03.2016. 18.30h Bugac, Táltos Lovaspanzió**

## **12 START OF THE EVENT**

### **12.1 PRE-START PARC FERMÉ:**

**LOCATION:** H-6000 KECSKEMÉT, SZENT LÁSZLÓ KRT. 64 GOKART HOTEL  
**TIME:** 18.03.2016 12:00-13:30

### **12.2 BRIEFING: (COMPULSORY)**

**LOCATION:** H-6000 KECSKEMÉT, SZENT LÁSZLÓ KRT. 64 GOKART HOTEL  
**TIME:** 18.03.2016 15:00

### **12.3 PUBLICATION OF START LISTS AND START TIMES:**

According to Schedule.

### **12.4 START CEREMONY / OFFICIAL START:**

**LOCATION:** H-6000 KECSKEMÉT, SZENT LÁSZLÓ KRT. 64 GOKART HOTEL  
**TIME:** 18.03.2016 16:00

## **13 RUNNING OF THE EVENT**

### **13.1 DISTRIBUTION OF ROADBOOKS**

At administrative checks.

### **13.2 DISTRIBUTION OF TIME CARDS, CHANGE OF TIME CARDS**

Time cards will be issued before the Start of each Leg and must be submitted to the marshals at the Finish of each Leg.

Time cards will be changed on Saturday the Regrouping.

### **13.3 LIMITED DELAY**

Maximum delay between two TC is 30 minutes per Leg. Delay exceeding this limit will result in exclusion.

### **13.4 FIXED PENALTY**

On Leg 2 there is Regrouping so it is possible to rejoin the event during the day respecting the additional rules in the General Prescriptions of the Hungarian Cross-Country Championship.

### **13.5 EARLY CHECK IN AT THE END OF EACH LEG:**

At the end of each Leg at the TC at the entry of Parc Fermé competitors can check in ahead of time without penalty.

### **13.6 PARC FERMÉ:**

Between the Legs (for the night) race vehicles must be placed in the Parc Fermé.

**Location:** BUGAC, KULTÚRHÁZ

### **13.7 FALSE START**

Vehicles that are unable to Start on a Special Stage by themselves – according to Art. 41.1 of General Prescriptions – must be removed from the Control Zone.

## 14 SERVICE PARK

- 1.1 **14.1 Location:** TÁLTOS LOVASPANZIÓ, BUGAC, NAGYBUGAC 135.  
GPS: N 46°40,259' E 19°39,227

### 14.2 OTHERS:

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

Entry will be permitted only to Service Vehicles showing the Service Plates.

Accompanying team cars can enter only by purchasing a 10.000 HUF sticker at the Administrative Checks.

Using a min 5x4m protector canvas under the racing vehicles 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 technical supervisors, and not complying will entail a 50.000 HUF fine.

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

## 15 PROTESTS

Protest fee: General: HUF 100,000  
Technical: HUF 100,000

## 16 FINAL TECHNICAL SCRUTINEERING

**Location:** H-6114 Bugac, Nagybugac 135. Táltos Lovaspanzió  
**TIME:** 20.03.2016 from 13:30

## 17 RESULTS

### 17.1 PUBLICATION OF PROVISIONAL CLASSIFICATION:

**Location:** H-6114 Bugac, Nagybugac 135. Táltos Lovaspanzió  
**TIME:** 20.03.2016 13:30

## 18 PRIZES

### 18.1 PRIZEGIVING:

**Location:** H-6114 Bugac, Nagybugac 135. Táltos Lovaspanzió  
**TIME:** 20.03.2016 14:30

**Absolute** 1-3 - cup  
**Categories** 1-3 - cup

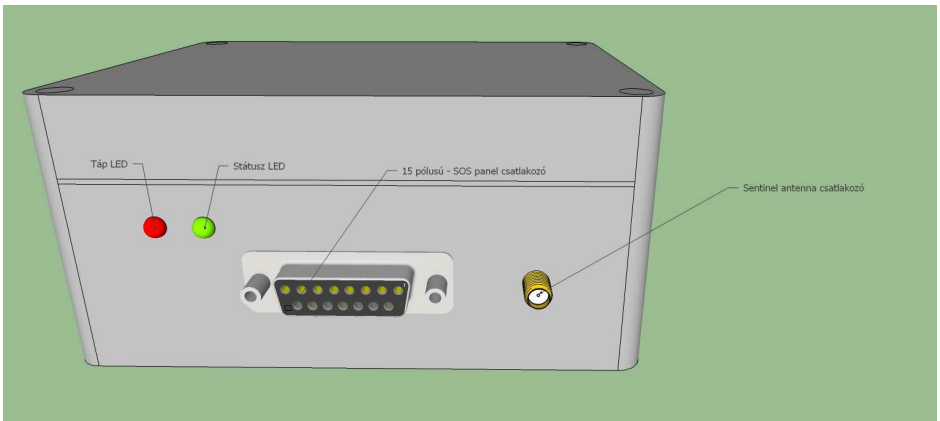
VISA NUMBER: **MNASZ K-53 / 2016.02.23.**

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Mr Imre Varga  
Cross-Country Rallye Committee



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



Pic. No. 1.: **GPS box** Sizes: 115x90x55mm Weight: 340g + pipe clamps 110g

## 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.

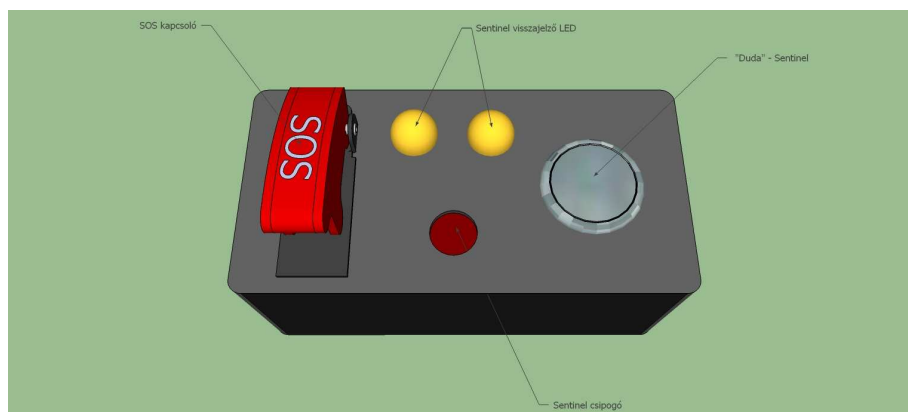
Alternate method is retrospective data analysis. In this case, the data collected what has been received by a specified time interval sets the database to a file, and the data can be evaluated from point to point.

## 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: 95x48x67mm 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 dashboard 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.



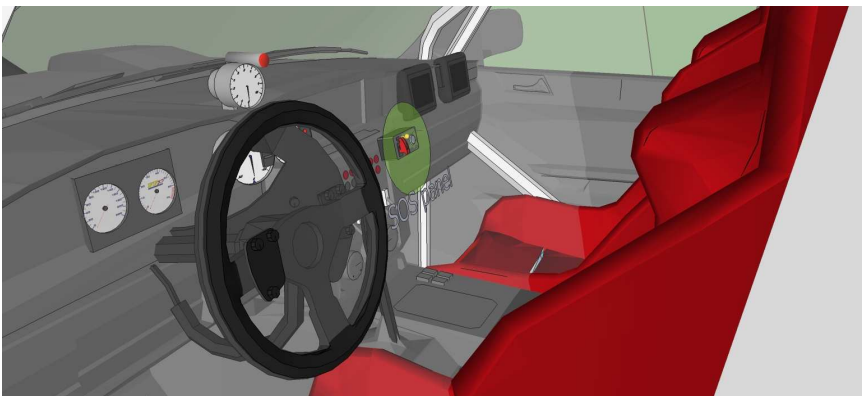
Pic. No. 3.: How to install 1.4



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