

# PAN CAR MASTERS 2024

17.-19.05.2024, Lostallo, Switzerland



*Festival*  
**of SPEED**

**«in foam  
we trust!»**



## Pan Car Masters

&

### 1/8 Electric Track National Championship

**Lostallo, 17.-19.05.2024**

**Where:** Lostallo GR, Switzerland  
[www.mrtm.ch](http://www.mrtm.ch)

**When:** May 17<sup>th</sup> to 19<sup>th</sup>, 2023

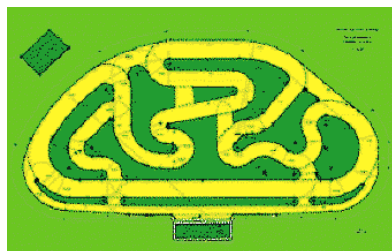
**Organizer:** Downforce RC  
VIP Performance & friends

contact Frattaroli Downforce RC  
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**Classes:** Pro10 modified  
Pro10 stock (10.5T)  
Pro10 13.5T (200mm & 235mm cars allowed)  
1/10 F1 21.5T (Foam)  
1/10 F1 17.5T (200mm Foam)  
1/10 F1 Fenix '70  
1/8 Electric Track modified (4s)

**Track:** banked high speed corners to and from the straight  
total length: 403m  
straight: 80m  
min. width: 4.65m  
surface: tarmac  
driving direction: counter-clockwise  
layout: full course for 1/8, Pro10 and F1 21.5T.  
for F1 '70: tbd at the track



**Timing:** RCM, AMB/mylaps personal transponder required

**Time table:** Friday, May 17<sup>th</sup>  
(indicative) Registration from 11 a.m.  
Free practice all day

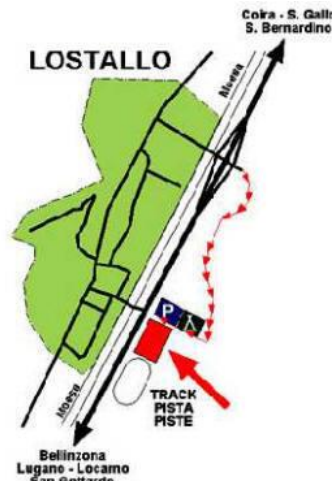
Saturday, May 18<sup>th</sup>  
Free practice 08.00 – 10.00  
Driver's briefing 10.15 – 10.45  
Timed practice 1 & 2 11.00 – 14.00  
Qualifications 1 & 2 14.30 – 18.00

Sunday, May 19<sup>th</sup>  
Qualifications 3 & 4 09.00 – 12.00  
Mains 1, 2 & 3 13.00 – 17.30  
Price giving 18.00

**Registration:** online on [www.myrcm.ch](http://www.myrcm.ch), until Tuesday **May 14<sup>th</sup>, 2024**

|                |   |   |
|----------------|---|---|
| <b>Fees:</b>   | Registration fees:  | <p>€ 40.- / CHF 40.- first entry<br/>         € 20.- / CHF 20.- every add. entry<br/>         To be paid in cash or credit card directly at the track at registration. 50% discount on the entry fees for juniors &lt;16y</p>   |
| <b>Camping</b> | Camping (trackside):  | <p>€ 15.- / CHF 15.- per person &amp; day<br/>         € 10.- / CHF 10.- per child (6 – 16y)<br/>         incl. washrooms and electric power<br/>         to be booked directly at the track, no reservation required<br/>         for any questions regarding camping pls contact the responsible directly through email: hans (a) mrtm.ch</p> |
| <b>Pits:</b>   | Power 230V, Swiss and EU plug<br>Covered pit area for 200 drivers incl. tables and chairs |   |

**Hotels  
& itinerary:** see [www.mrtm.ch](http://www.mrtm.ch)



## RULES

### Pro10/pan car:

#### Chassis

Direct drive, two wheel drive chassis only (differential allowed)

#### Batteries

Commercially available LiPo, LiHV and LiFe hardcase batteries only according to EFRA specifications for 1s and 2s batteries.

Max. charge voltage is 4.20V per cell. Drivers are in charge of proving the commercial availability of the used batteries.

LiPo bag and balancer must be used during all charging activities.

#### Motors

All motors have to be compliant with EFRA motor specifications. In addition, no (old) Corally Red Series and Grauper/GM Sport motors allowed in spec classes (Pro10 stock and Pro10 13.5T).

| Class               | Pro10 modified   | Pro10 stock     | Pro10 13.5T  |
|---------------------|--|-----------------|--|
| Running time        | 5min   | 7min            | 8min   |
| Max. width overall  | 250mm  | 240mm           | front 227mm, 235mm rear 200mm cars allowed                                     |
| Max. length overall |  |                 |  |
| Wheelbase           | 228-280mm  | 228-280mm       | 228-280mm  |
| Min. weight         | 1200g  | 1025g           |  |
| Batteries           | max 2s   |                 |  |
| Bodies              | open   |                 | pan car bodies only<br>(no 10 <sup>th</sup> scale ignition car bodies allowed) |
| Motors              | open   | 10.5T EFRA Spec | 13.5T EFRA Spec  |
| ESC                 | open   | Open, blinky    | Open, blinky   |
| Tires               | Under dry conditions: Foam tires only, shore degrees open.<br>Rear wheels: 1/10th pan car rims only<br>Front wheels: 1/10th pan car rims or 1/10th ignition car rims allowed<br>Under wet conditions: all types of tires/rims allowed. |                 |  |
| Additives           | open, odorless only  |                 |  |

## Formula 1:

### Batteries

Commercially available LiPo, LiHV and LiFe hardcase batteries only according to EFRA specifications for 1s and 2s batteries.

Max. charge voltage is 4.20V per cell. Drivers are in charge of proving the commercial availability of the used batteries.

LiPo bag and balancer must be used during all charging and discharging activities.

| Class              | Formula 1 21.5T  | Formual 1 17.5T   | F1 Fenix '70  |
|--------------------|--|---|---|
| Running time       | 10min  | 8min  | Qual 7min, Mains 10min  |
| Chassis            | Direct drive, two wheel drive chassis only (differential allowed), sliding king pin front end  | Direct drive, two wheel drive chassis only (differential allowed), sliding king pin front end | Fenix Racing '70, Tamiya F101, F102 or F103. Other chassis may be allowed after prior approval  |
| Max. width overall | 190mm  | 200mm   | n.a.  |
| Min. weight        | 1025g  | 1025g   | 950 gr  |
| Batteries          | max. 2s, in hardcase only  |   |   |
| Bodies             | Formula One or Indy Car with race inspired liveries  |   | F1, F2, F3 or Indy cars from the decade 1970 to 1979, with race inspired liveries. Driver figure/helmet mandatory   |
| Wings              | open   |   | according to the original car   |
| Motors             | 21.5T EFRA Spec  | 17.5T EFRA Spec   | Fenix Hot-Stock 21.5 (FM00215-HS)<br>HW Justock 3650 SD G2 (HW-30408007)<br>HW Justock 3650 SD G2.1 (HW-30408012)<br>HW Justock 3650 (HW-30408003)<br>HW Justock Xerun 21.5T Blue (HW-90040150) |
| ESC                | open, blinky   |   |   |
| Ratio              | open<br>(recommended max. 2.0 : 1)   | open  | 3.0 : 1   |
| Tires              | max. 2 sets of<br>*Contact JF1-30RA rear and JF1-45FA front<br>or<br>*HRT F1H28 rear or F1F40 front<br>(black or white rim)<br>!!no trueing/rounding allowed!! | Open<br>(pan car tyres allowed)   | Fenix F1-70-8 F1 70 Tyres (foam Tyres)  |
| Additives          | open (odourless only)  |   | not allowed   |

\*) both types of F1 tyres, Contact and HRT are very similar and we don't expect any important performance differences. However, if we realize that there are any differences, we will do two different final rankings, one for those who use Contact, and the other for the ones using HRT.

**IMPORTANT:** We kindly want to emphasize that each driver has to provide his own tyres to scrutineering for marking of the two sets. There will be (if any at all) only very limited quantity of tyres available at the event.



# **1/8<sup>th</sup> Electric Track:**

## **Batteries**

Commercially available LiPo, LiHV and LiFe batteries only.  
 Max. charge voltage is 4.20V per cell for LiPo and 4.35V per cell for LiHV.  
 Hardcase batteries mandatory for externally mounted batteries. Centrally mounted batteries can be soft case as long as they are protected against impacts from all sides.  
 LiPo bag and balancer must be used during all charging and discharging activities.

| Class        | 1/8 <sup>th</sup> Modified   |
|--------------|--|
| Running time | 5min   |
| Chassis      | 4WD 1/8th ignition car style chassis   |
| Min. weight  | 2500g  |
| Batteries    | max. 4s  |
| Bodies       | open   |
| Motors       | open   |
| ESC          | open   |
| Ratio        | open   |
| Tires        | open, foam tires mandatory under dry conditions, shore degrees open. Under wet conditions all types of tires allowed |
| Additives    | open, odorless only  |