



MB Models

5 Hour Endurance Race

Hosted by Stafford Outdoor Raceway

Sunday July 19th 2026

Entry £60 per team of 4 (Including a set of control tyres)

Regulations

For 2026 we are moving to Brushless Motors, and are we are running two classes:

- ❖ **The Stafford Outdoor Raceway Sportsman's Class.** (With Control Tyre)
- ❖ **The BRCA Endurance Class** (Run to full BRCA spec apart from control tyre tyres)

For 2026 there will be a control tyre. Each team will be issued with one set on race day (This set will be included in your team's entry price) This year's tyre will be the:

RI-36088 - RIDE FWD BELTED CUT SLICK TYRES - 5 SPOKE White WHEELS.

This control tyre will be the same for both classes

You may run as many sets as you like (We will have sets available on the day at a very special price of £20)

Please check the regulations in our Class Information section on our website

- A team must consist of 4 members only. Additional Pit crew are NOT allowed.
- All Drivers MUST hold a current BRCA licence.
- Only one car per team* See scrutineering section.
- We do **NOT** allow Walkie Talkie type communications systems.
- ❖ ALL teams MUST share driving and marshalling duties as equally as possible.
- ❖ A driver may if wanted, do a maximum of 2 continuous runs (i.e. remain on the rostrum for one battery change).
- ❖ Only FOUR registered team members. NO additional people allowed to assist in any way.
- ❖ Each team member MUST do a minimum of 4 race stints of 8 minutes or more.



- ❖ Only one team member allowed on the rostrum as any one time.
- ❖ Aggressive, threatening, or abusive behaviour will **NOT** be tolerated.
- ❖ No aggressive or over defensive driving allowed.
- ❖ Reversing on the track is strictly forbidden.
- ❖ Pit stops to change drivers/batteries/Transmitter hand over must be done in the “Pull Off” area.
- ❖ All other repairs **MUST** be done in your pitting area, **NOT** trackside.
- ❖ Remember other teams may be on different strategies so please let faster cars by



Additional Information

Times: Will be available on the booking in form that will open nearer the event

Tyres: This year we are using a Control Tyre. For 2026 this will be the **RI-36088 - RIDE FWD BELTED CUT SLICK.**

Batteries: ALL LiPo batteries **MUST** be charged/discharged in a LiPo safe container/bag. Cells **MUST NOT** exceed the maximum voltage listed under the BRCA Electric Board rules. Any person found to be in violation of these rules can be removed from the event and face further disciplinary proceedings at the race director / committee’s discretion. The maximum charge cut-off voltages allowed for a 2cell LiPo is 8.40v.

ALL cars **MUST** be fitted with a Low Voltage alarm A typical **LiPo battery monitor/alarm** consists of a small circuit that monitors the voltage of each cell in a LiPo battery pack and sounds a buzzer if any cell drops below a safe threshold (usually around **3.3V per cell**). Further description at the end of these regulations

Scrutineering

Before your car can be placed on the track you will need to get a basic check by scrutineering. The team will check your car to make sure it complies with the rules. We will also do several random checks for every team throughout the event which will hopefully take less than a minute to complete. It will always be your responsibility to keep your car within the rules. Depending on available staff we may introduce a system where each team is responsible for scrutinising the other teams through the race and reporting any issues to the race director on the day.

Race Penalties

1. **Unsafe pitting** – If a team are found to be working on the car while it is not in the pitting area the team will be penalised with a 1-minute stop-go penalty.
2. **Unfair pitstop** – If a team complete a pit stop and re-joins the track from anywhere other than the pit lane then the team will be penalised with a 1-minute stop-go penalty.
3. **Unfair driving** – If a driver is racing in an unsafe or aggressive manner then the team will be penalised with a stop-go penalty. This will be classed as a pitstop, and the offending racer will need to change over to the next racer in the team.



4. **Rule breaker** – If a team is found to have modified their car after it has been scrutinised (or during the race) beyond the limitations of the set rules then the team will be disqualified from the race.
5. **Un-sportsman like racing** – If a team are found to be gaining a clear advantage from any loophole they find in the rules which they did not raise in the briefing, they will be asked to revert the advantage. If not possible, a vote with other teams will decide whether to give the team a 5-minute stop-go penalty or disqualify them from the race.
6. **Unfair team racing** – If a team fail to share out the race duties (set in the racing rules) after 4 hours of the race, the team will be penalised with a 5-minute stop-go penalty.
7. **Marshalling** – If a team fail to man their marshalling point for longer than 1 minute or do not recover cars in a sporting manor the team will be penalised with a 5-minute stop-go penalty.
8. **Reversing on track** – 1-minute stop-go penalty
9. **Additional outside assistance** – Disqualification from event!

As mentioned above ALL cars MUST be fitted with a Low Voltage alarm

Below is some useful information about this system:

There are several different units available, but basically, they can be set to detect when a cell or cells drop below a set voltage and once this occurs, they emit a loud tone that is a signal to return to the pitting area for the battery to be changed.

The one we would recommend is the Lipo Battery Monitor Alarm Tester Checker Low Voltage Buzzer Alarm with LED Indicator as shown below?

This is good as it also displays the total voltage as well as the voltage of each cell.

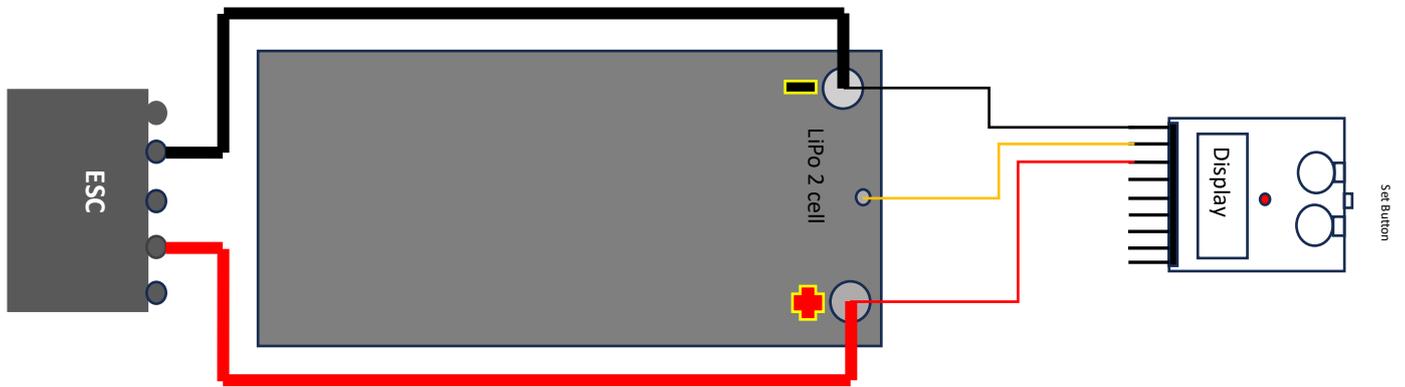


The installation can be done in a couple of ways. You can fix a unit to each battery you intend to use. A little more wiring must be done, and you would need a unit for each battery used, however once done then you just plug in the battery and off you go.

Another way is to have one unit fitted to the car and then you wire to the + & - plugs the connect the battery in the usual way, however, you would also need to plug an additional wire into the 2mm center tap on the battery. You can also wire the unit so it would just detect the total voltage rather than each cell, whilst this works it would not sound the buzzer if one cell's voltage dropped but the second cell kept the overall voltage above the alarm level, this could in some circumstances result in a damaged battery that could be dangerous as one cell could drop below a safe voltage!

A typical **LiPo battery monitor/alarm** consists of a small circuit that monitors the voltage of each cell in a LiPo battery pack and sounds a buzzer if any cell drops below a safe threshold (usually around **3.3V per cell**).

Below are some pictures on some units and a diagram and picture showing how to wire the above units. As mentioned, there are several makes available but whatever you choose to fit, they **MUST** have an audible alarm.



Another make is the Prolux 1416 Alarm.

This is apparently a simpler setup showing it plugging into the receiver or ESC battery channel, however, looking at the instructions, it still requires connection to the battery as the RX will already be below the 6.6v detection level, this type only monitors the total pack voltage and not the individual cells. Also, we found it to be a lot quieter and with the noise on a race day this may not be the best idea. However, this is your choice, our advice is to talk to others and have a look at the different types available.



The buzzer units are available from many model shops, units include (ETRONIX 1-8S LIPO BATTERY VOLTAGE METER W/ALARM).

The above is meant as a guide only, should you require any additional information please contact the club.