

GT5 Team Endurance 2019

Rules & Information V1.4



Sheffield RC Racing have a history for putting on some amazing “special” events. Team Endurance races have got to be one of the best of these types of event in terms of fun and excitement. Being part of a team removes a lot of the disappointments (we all sometimes have to face), while still keeping the same high level of competition we all love.

Our GT5 Endurance is going to be an extra special event. Chassis's will be restricted to Tamiya Tub platformed cars only, so the main challenge will be getting the cars to survive 5 hours of racing before finding any performance gains out of their simplistic designs. There will be strict rules on the GT body shells that teams can run so that the event will visually look epic. It will be like watching a mini Le Mans 24hr race with the shell details and handling characteristics of Tamiya cars. An affordable control motor will also be applied to make sure the racing is fair for all. With up to 12 teams on the large Killamarsh track, this will be 5 hours of close battles and lots of RC racing action.

Contents

Document Updates.....	3
Date & Prices.....	4
Tamiya GT5	4
Ability classes	4
Timetable& Race Format.....	5
Event & Class Rules.....	6
Scrutineering.....	6
Lap timing	6
Tamiya GT5 Specific rules.....	6
Body Shell Approved List	7
Misc Rules	8
Racing Rules	8
Race Penalties.....	8
Venue Information.....	10
Address.....	10
Contact Information	10

Document Updates

V1.0 – 08/11/19

Document Created

V1.1 – 11/11/19

New body added to approved list - Porsche 911 GT3 Cup – Part 51336

V1.2 – 13/11/19

Tamiya TBLE-02 ESC removed from rules. The ESC does not have LiPo protection and will be a fire risk during an endurance event. All teams must now run the Hobbywing 1060 ESC.

New body added to approved list - Lexus Petronas Tom's RC F – Part 51582

V1.3 – 20/11/19

“Tamiya GT5 Specific Rules” updated with additional body shell rules.

“Racing Rules” updated with rules to ensure teams share driving duties fairly

New body added to approved list - Volkswagen Golf 24 – Part 51497

V1.4 – 03/12/19

“Race Penalties” section now added to the rules.

“Misc Rules” updated with race finish details

“Timetable & Race Format” updated with earlier start for track building

Date & Prices

The dates of the event will be:

Sunday 15 December 2019 @ 8:30AM

Your entry fee will need to be paid for in full before the event.

Tamiya GT5

Race entry will be £40 per team and need to be paid in full before the event to confirm the teams entry. For this race you will be required to purchase a Stock motor on the day of the event. The Class motor will ideally be a 21t brushed motor and priced around £10. You can purchase as many of these as you wish but it must be from us, it will be marked up for the event. The control motor will be announced when we have acquired enough stock.

Ability classes

In previous Endurance races we have divided the grid into two classes based on ability. There is no difference in rules between the two classes so both have the same opportunity to take the overall victory. It's just some teams can turn up with high national level racers while others will just have average/high club racers. We try and split these two examples of teams so that they both have a title to aim for. The two classes will be GT5-PRO and GT5-AM.

GT5-PRO – A team consisting of strong national level racers or strong club racers. These teams are sometimes backed by RC Clubs or Shops and have a strong focus of winning the Endurance out right.

GT5-AM – A team consisting of an experienced captain and good club racers. This will be a team that don't feel they have the combined ability to win the Endurance.

With so many results available online it is always easy to check on abilities. Teams can request what class they would like to be in but we will make the final decisions on the classes to make sure they balance as fairly as possible. Remember, there is nothing to stop a GT5-AM from beating all the GT5-PROs to the overall victory.

To book into the event please visit our
website:

<https://www.sheffieldrcracing.co.uk>

Timetable & Race Format

Sunday

7:30AM – Doors open for track building only

8:30AM – Doors open, motor fitting, practice

9:00AM – Driver briefing

9:15AM – 9:45 - Qualifying

10AM – 5 Hour Endurance Starts

The start of the endurance will be a rolling start behind a pace car.

3PM – Endurance Finish

4PM – Trophy Presentations

Event & Class Rules

Scrutineering

Before your car can be placed on the track you will need to get it check through scrutineering. The team will check your car to make sure it complies with the class rules.









Lap timing

Laps will be counted by a RC3 timing system. We will have two systems running side by side during the event.

Tamiya GT5 Specific rules

- Only Tamiya 1/10 4WD plastic tub chassis cars are eligible to race.
 - TA01 to TA05, TT01, TT01e, TT02, TB01 to TB04, VX01, TL01
- Only one car per team is permitted. The tub chassis will be marked before the event starts and checked regular.
- Control motor must be fitted with event sticker visible.
- 2S Hard Case LiPo or 6 cell NiCD/Nihm batteries only.
- Slick rubber tyres only.
- Hobbywing ESC 1060 only
 - The ESC needs to have reverse option disabled and LiPo protection set.
- Minimum ride height: **5mm**
- Body Shells can be painted in team colours but must be from the "Approved List".
 - All body shells must be genuine Tamiya bodies from the approved list
 - All bodies must not be cut beyond the manufacturer indication lines to allow the body to run lower than it's designed to.
 - Bodies can only use the wings and detailing parts they were released with
 - All bodies must have head lights, clear windows and some GT racing based stickers on them so that they look realistic.
 -
 - If you would like to suggest an additional shell please post it to the team chat you will be added to. The event team will decide if a vote of entry is allowed by the other teams.

Body Shell Approved List

Mercedes AMG GT3 – Part 51590	 A silver Mercedes AMG GT3 race car with yellow and black accents, featuring a large rear wing and racing number 11.
Scirocco GT24-CNG – Part 51473	 A blue Scirocco GT24-CNG race car with orange and white accents, featuring a large rear wing and racing number 117.
Nissan GT-R - Sumo Power GT – Part 51453	 A white and yellow Nissan GT-R race car with red accents, featuring a large rear wing and racing number 23.
BRZ R And D Sport 14 Fuji – Part 51575	 A blue BRZ R And D Sport 14 Fuji race car with yellow and white accents, featuring a large rear wing and racing number 14.
Ford Mustang GT4 – Part 51614	 A silver Ford Mustang GT4 race car with blue and black accents, featuring a large rear wing and racing number 17.
Porsche 911 GT3 Cup – Part 51336	 A black and gold Porsche 911 GT3 Cup race car with white accents, featuring a large rear wing and racing number 88.
Lexus Petronas Tom's RC F – Part 51582	 A white and green Lexus Petronas Tom's RC F race car with blue accents, featuring a large rear wing and racing number 38.
Volkswagen Golf 24 – Part 51497	 A white Volkswagen Golf 24 race car with yellow and blue accents, featuring a large rear wing and racing number 35.

Misc Rules

- All racers must have a valid BRCA license to ensure they have sufficient race insurance.
- All racers must bring a pit towel to protect the venues tables.
- All batteries are to be charged in a lipo safe charging bag and the charging output must not exceed 10amps.
- The race will be decided on which team completes the most laps over the 5 hours. There will be no disqualifications if the team fail to cross the line after the race has completed (traditional endurance rules).

Racing Rules

- All teams must share driving duties as equally as possible
 - All teams must change racers whenever a battery is replaced in the car.
 - Each racer must do at least 2 race stints that are greater than 15mins.
- Aggressive, threatening or abusive language on the rostrum is strictly forbidden
- If you are being lapped by a faster car you must move off the racing line to allow them past
- No aggressive or over defensive racing is allowed
- Reversing on track is strictly forbidden

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 pit stop – If a team complete a pit stop without changing drivers or re-join the track from outside 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 pit stop 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 racing – If a team are found to be gaining a clear advantage from a loop hole in the rules which they did not raise in the captain discussion group, 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) by 4 hours of the race the team will be penalised with a **5 minute stop-go penalty**.

7. Unfair Team Marshalling – If a team failed to man their marshalling point for longer than 5 minutes or do not recover cars in a sporting manor the team will be penalised with a **5 minute stop-go penalty**.

Venue Information



Sheffield RC Racing is the biggest indoor venue for RC racing in the Sheffield area. The club was formed in December 2017 after the clubs Swifts Raceway and South Yorkshire Raceway decided to merge. The club is based at Killamarsh Leisure Centre which has a very large hall perfect for RC racing. It is very well lit and heated with lots of space for pitting.

We aim to provide the best possible venue for indoor RC racing round the Sheffield area. Our track features 7 rolls of Prima Felt GT carpet making a total track size of 30m x 14m. The track is outlined with white downpipe with layouts to suit all indoor on road classes.

Track Type : Indoor On Road

Track Surface : Prima Felt Carpet

Track Setup : Setup Before Meeting

Track Markers : Light Piping

Size: 30m x 14m

Address

Killamarsh Sports Centre, Stanley Street, Killamarsh, Derbyshire, S21 1EL



Contact Information

For the latest updates about the even please visit our Facebook page:

<https://www.facebook.com/sheffieldrcracing/>

You can also contact us via our email address team@sheffieldrcracing.co.uk