



# Racing GT-E Class

## At Stafford Outdoor and Hednesford Indoor Raceways

These differ from the national regulations. They have been changed to allow for competitive club racing using Brushless motors.

(Brushed motor chassis will be entered into our “Classic Class”)

*Please read the following regulations carefully and ensure that your car complies with ALL our Regulations. Failure to do so could mean you are moved into the appropriate class for your car.*

### ELIGIBLE CHASSIS

Tamiya TT-01, TT01e, TT02 including D, R, S, RR and SR Models.

Carten T410 (Not R or F variants)

FTX Banzai FTX5536

HPI RS4 Sport 3 Creator Edition

The following minimum weight limit of 1350g applies to the car when in a “Ready to Race” state i.e., with body and batteries fitted.

### Prohibited Chassis:

All TA, TB, TRF, Pan Car style chassis (F-101, F-102, F-103, F-104 including GT versions)

Only Hard Plastic Chassis (Tub Style Chassis) No Carbon Fibre or Metal chassis are allowed.

### WHEELS AND TYRES

Any commercially available rubber wheel/tyre/insert may be used, Dry weather will have a price limit of £29 per set. Wet weather tyres may be used in appropriate conditions. Tyre warmers are permitted.

The use of tyre additives is permitted but MUST be commercially available and on the BRCA approved list (It MUST NOT contain wintergreen or smell of wintergreen) Tyres may be cleaned with water or brake cleaner.

## BODYSHELLS

Any 10th scale body from any manufacturer that is similar to a 2 or 4 door saloon style road car e.g., Mazda, BMW, Ford. like the BTCC series, or a GT shell based on a real-world car (i.e. Porsche/McLaren/Ferrari/Aston Martin). If you are not sure, please ask.

All bodies must be made of polycarbonate and must be painted accordingly, bodysells should be presented in well prepared condition. Bodies must have a maximum body width permitted of 190mm. They must have clear or tinted windows and Front and rear lights must be coloured appropriately or have stickers over them. Please endeavour to use more than one colour or use stickers to make your car look like a real racing car. **Pikes Peak, LMP, Pick-up Truck, NASCAR or "BLOB or Jelly Mould" style bodies are prohibited.**

Wings are only permitted on bodies that either originally came with a wing or where a wing was specified as an option. Wings are to be mounted in their original position and may not be mounted on the roof. Replacement wings are available such as the Tamiya Racing Wing Set (set of 1x Curved wing plus 1x Straight wing) with Tamiya part numbers #54494 (Clear Polycarbonate) or #54688 (Carbon Pattern Polycarbonate). Wings may be trimmed to the competitor's preferences, but in any case, must have a wing chord no greater than 40mm at any point, a total height of no greater than 20mm and a width no greater than 190mm at its widest point. Polycarbonate wing end plates may be used. (No Carbon Fibre or Metal endplates are allowed)

## BATTERIES

Must be 2 cell Li-Po batteries of the hard-cased variety and on the BRCA approved list. Li-Po batteries MUST be charged within a fireproof container at all times. LiPo charge rates "C" must not exceed the manufacturer's specifications. (See BRCA list)

## BRUSHLESS SPEC MOTOR AND ESC

Any fixed timing 17.5t motor with a maximum UK retail price of £65.

Any ESC with a maximum UK retail price of £62.

This is based on "Today's Money" i.e., not a price from 10 years ago!

The ESC must be run in Blinky Mode, and the motor must have fixed timing

A great example is the HW38020321 - Hobbywing combo XR10 Justock G3 ESC/Justock G2.1 17.5T. **This is by far the best Motor/ESC combo on the market, at present all our drivers run this combo, It is also the combo that the BRCA picked for their 17.5 Spec RPM Limited class for 2024**

The use of motor cooling such as heat sinks & fans is permitted.

## DIFFERENTIALS AND GEARING

Any compatible spur and pinion gears may be used (0.6 mod, 0.4 mod, 48DP & 64DP). Tamiya speed gear sets may be required to change the gearing pitch on some chassis, gearbox covers may be altered or removed to accommodate alternative gearing. The differential may be locked in the form of a solid axle / spool designed for the kit or with the use of diff oil.

## PERMITTED GT-E HOP UPS

There are many upgrades available to enhance your vehicle, some offer improved reliability or performance. The driver makes the biggest difference. Therefore, if it's commercially available it can be used!

Examples are:

Shocks, Alloy prop shaft, Shims. Bearings, Outdrives, Turnbuckles, Steering components, Shock oils, Rear tow-in blocks, Shock towers, Servo savers, Pinion and Spur gears, etc.

## CLASS OBJECTIVES:

To run this on an equal basis racing cars that look like cars, therefore, relying on driver skills for racing success. We would always advise people to pop along to one of our meetings and have a chat about the different makes and setups.

