



M-TC (Mini Touring Car) Class

This class of RC car racing is based upon the ethos of low cost, controlled and competitive sport. A class suited to newcomers and experienced racers alike. Unlike other forms of RC car racing the committee that have been responsible for these rules have undertaken not to limit items such as motors and speed controls by price but to take the stance of control and specify the actual make and model of such items. This approach ensures that all cars racing in the M-TC class will have the same amount of power available irrespective of the cars brand or model.

M-TC Construction Parameters

- ✚ Maximum track width: 168mm
- ✚ Wheelbase: 210 / 225mm +/- 2mm
- ✚ Minimum weight: 1225grams
- ✚ Minimum ride height: 4.0mm

M-TC Wheels & Tyres

- ✚ Only "Sweep" or "Rush" Rubber tyres designed for M-TC class.
- ✚ No 1/10 Touring car wheels or tyres.
- ✚ Maximum overall diameter 60mm Maximum overall width 26mm
- ✚ Tyre additive is allowed but MUST be on the BRCA approved list
- ✚ Wheel nuts / fixings must not protrude past the outer edge of the wheels by more than 2.0mm

M-TC Body Shell

- ✚ Any car-based body shell designed for 210mm / 225mm wheelbase. **Specifically, NO TRUCKS.**
- ✚ Maximum Roof height (excluding wing) 145mm
- ✚ Body shell must be painted with all windows left clear.
- ✚ Body shells must be of Polycarbonate / Lexan form. **No ABS or any other hard plastics shells allowed**
- ✚ **Only spoilers or wings included with the body you are running will be allowed. No swopping from one shell to another. No 1/10 touring car wings. No "special" wings.**

M-TC Motor

Please note for a trial period we will allow the use of any 17.5 Motor

After the trial period the allowed list of the list of control motors for M-TC will be:

- ✚ Team Zombie 17.5T "Clubman"
- ✚ Rage 17.5T "Clubman"

No motor modifications allowed whatsoever.

M-TC Speed Controller

Please note for a trial period we will allow the use of any ESC (Electronic Speed controller). ALL ESC's MUST be set in BLINKY MODE

After the trial period the allowed list of the control ESC's for M-TC will be:

- ✚ Trackstar "Sportsman" 60A
- ✚ Sky RC Toro TS50
- ✚ Rage V2.1 120

No third-party firmware shall be allowed on any ESC.

M-TC Batteries / Charging

- ✚ LiPo batteries must be 2 cell (2S), commercially available and hard cased.
- ✚ In the interest of safety Only LiPo batteries on the **BRCA** approved list will be allowed
- ✚ LiPo battery charging must be carried out with the battery in a fireproof charging bag with any zip or fastener closed.
- ✚ Fully charged LiPo batteries must not exceed 4.20volts per cell.

M-TC Hop Ups

Hop ups are defined as any item that is not supplied in the kit that is used to enhance the car in terms of cosmetic appeal or performance.

Only hop ups designed for the specific car are allowed with the exception of:

- ✚ Servo saver
- ✚ Track rod ends
- ✚ Springs

M-TC Gearing

Either 48 or 64dp pinions and spur gears are allowed.

Please Note: - Motor and ESC ranges will be altered in line with any changes made in the National M-TC rules