



ADUR INDOOR BRUSHLESS MINI RULES

2026/27

Technical rules and regulations

MOTOR SPECIFICATIONS

Any 25.5T and 30.5T brushless fixed-timing, sensored motor is permitted. Motors must be readily available.

Recommended motors

- Hobbywing G2.1 25.5 FTM
- Surpass Rocket Supersonic 25.5 FTM

ELECTRONIC SPEED CONTROLLER (ESC)

Recommended ESCs

- XR10 JUST STOCK Zero Timing (HW3011200)
- XR10 JUST STOCK G3 (HW30112003)
- XR10 JUST STOCK G3s (HW30112005)
- Surpass Supersonic ESC
- Team Powers XPS Sport V4BT (TPR-XPS/Sport-V4BT-2S-EXT)

Any other ESC must be submitted to the club for review and must meet both criteria:

- Can be run in Blinky mode only.
- Maximum price limit: £75.

BATTERIES

Batteries must be commercially available in the UK, hard-cased LiPo batteries rated at 7.4V or 7.6V (2-cell). Batteries must be charged to a maximum of 8.40V while connected to a charger/discharger. Batteries must be securely placed in a LiPo sack. Charging and discharging must use a LiPo charger on the LiPo settings.

Charging current must not exceed the manufacturer's guidelines or 15A, whichever is lower. Discharging current must not exceed the manufacturer's guidelines or 20A, whichever is lower. Heating or cooling cells during charging or discharging is not permitted.

CHARGER SETTING

At no point—whether or not a battery is connected or charging—may a charger be set to a cut-off voltage above 4.20V per cell. A setting above this limit will be treated as deliberate overcharging and will not be tolerated on safety grounds. A driver found with a charger set above 4.20V per cell may be excluded from the event.

Battery voltage will also be checked randomly. If a battery is presented at 8.41–8.43V, the charging equipment will be checked and the rules above will apply. The driver may then discharge the battery to a maximum of 8.40V and re-present the car for a voltage check.

If a battery is presented at 8.44V or higher, it will be immediately confiscated and disposed of, and the driver will not be allowed to run their next race. The driver's charging equipment will be checked in line with the rules above.

ADDITIONAL RULES & REGULATIONS

Gearing

- 32dp pinions: 15–20 teeth.
- 32dp spur gears: 44–50 teeth.

Construction rules

Construction rules must be followed as set out in the current Brushed Mini Rules v1.5.

RULES AMENDMENTS

If you have any amendments or suggestions to this ruleset, please contact our circuit representative, Liam Hendy, via Facebook.

Please ensure all equipment and vehicles comply with the rules before taking part.