

SEDGEMOOR MODEL BOAT CLUB
Model Slipway Club 500 Racing Section
 (updated June 2022)

Model Specifications:

Standard size rudder servo	Beam: 180mm Length: 515mm
Safety loop fitted	550FC motor
7" M5 prop and brass tube	40mm nylon propeller
Rudder/tiller assembly	1/8" M5 coupling
Lipo 2S 2000 to 5000mAh or Nmh 7.2V 2500mAh battery	Marine ESC (25A)

ALL Model Slipway 500 construction guidelines/instructions should be followed during manufacture.

1. No alterations to the model shall be allowed that IMPROVE performance i.e. original motor, coupling etc. No 'hot' motor or different propeller. No motor alterations.
2. Modifications can be made to the existing motor mount if an improved motor fixing method is preferred.
3. No modifications to below water line.
4. UK legal radio control transmitter and receiver using either a marine electronic speed control (i.e. MTRONICS Viper Marine 25 or MTRONICS Tio 30 or similar) or servo operated control, or micro switch to motor control.
5. Buoyancy may be added inside the hull and the underside of cabin roof. This is advised. Additional structure to allow self-righting may be added - see rule 13
6. Oiling/grease tube may be added if required.
7. A self-adhesive foam strip **must be attached to the bow** of the boat.

additional class rules (Sedgemoor MBC)

8. The boat must be fitted with a 'safety loop' (red in colour) outside the hull, which when pulled will disconnect the battery supply to the motor. The loop must be positioned where it is easily accessible to disconnect and must have a diameter of at least 20mm.
9. Lipo 2S min 2000mAh up to a max. 5000mAh or Nickel Metal Hydride 7.2V max 2500mAh battery pack **ONLY**.
10. A lipo guard/alarm or ESC with lower voltage cut-off may be used.
11. A boat including top and battery (ready to race) must weigh a minimum of 1400 grams.
12. The boat must carry a Race Number. This will be supplied by the club and attached so it can be clearly seen on the boats starboard side. Numbers are allocated on first come-first-severed basis. Race number 1 can only be used by the previous series winner.
13. An external structure made of any material may be attached to the boats cabin area (not the deck or hull) to allow it to self-right.

Race Office (RO):

14. A person will be delegated to be the Race Officer (RO) for each round (usually the Section Secretary). He/she will decide on the course layout, race start times and number of race heats if required. The RO decision is final.

Races:

15. The number of boats per race and the number of races will be decided by the RO but whenever possible at each round there will be 6 races run in total in 2 separate sessions of 3. These races will be run "back-to-back" with only a very short break between them, however there will be a much long period (decided by the RO) between the two session to allow for repairs and battery change.
16. For races 1, 2 and 3 and separately 4, 5 and 6 you **MUST** use the same battery for each race - **NO battery change is allowed**. If you wish you may use the same battery for all 6 races.
17. Whenever possible a start gate will be used. Starting position in the gate is decided on a "first-come-first-severed" basis. Each race will start when the RO checks all the drivers are ready and then calls - "GO"
18. Each race will be run to between 4 and 8 laps (normally 5 laps).
19. The RO will be responsible to ensure the course is clear of any wildlife and may stop a race at any time if he/she deems it necessary.
20. A driver will be disqualified if he/she deliberately drives into a duck/swan etc. The RO decision is final.
21. Missing a buoy has a penalty attached to it. Boats must go around the buoy the correct side in such a way that you don't impede or hit another boat.

22. If a boat should stop on the course during a race its driver must call it as a **“Dead Boat”** and inform fellow drivers immediately of its approx. position on the course. Those still racing should do their best to avoid any contact with it. In some cases, the RO may call for an alternative course to be used to avoid the dead boat or in exceptional cases or for safety reasons may stop the race altogether if required.

Course:

23. Courses will be set with buoys, its layout/ designed is decided by the RO.
 24. Start gate to be positioned near the bank.
 25. Course to always be raced in an anti-clockwise direction.

Scoring:

26. First to complete the specified number of laps (normally 5 laps) is the winner.
 27. A boat must exit the start gate to be considered to have started a race and will be awarded a place/points.
 28. The finishing places will be scored as follows;
 1st place = 21 points, 2nd=18pts, 3rd=16, 4th = 15, 5th = 14, etc.
 29. Any boat that completes a single lap but fails to finish the race will be scored as its place against all those that started the race.
 30. DNF (did not finish); if a boat starts a race but fails to complete the first lap for whatever reason, they will score as last place plus 1 (or minus 1 point) ie; if 5 were racing the boat concerned would score as 6th/13 points instead of 5th/14 points.
 31. If two of more boats stop on the same lap (including DNF) they will be placed depending on how far around the course they were when they stopped. Furthest around the course will be placed higher.
 32. DNS (did not start) failed to leave start gate or RTD (retired from race before start); scores no place/points.
 33. The lowest scores from the entire series will be discarded as follows;
 20 to 24 races = 6 discards, 25 to 30 = 7, 31 to 36 = 8, 37 to 42 = 9, 43 to 48 = 10.
 34. The driver with the highest total points scored (after discards) at the end of the series will be the series winner.
 35. Tied places in the series will be decided by countback (most number of wins, if tied then count 2nd places, etc) if this also ties then the higher discarded scores will be counted. If this also ties the series win will be shared.

Meeting dates/cancellations:

36. The number of rounds and dates in the series will be decided by the Club 500 Section Secretary with the agreement of the majority of the Club 500 Drivers involved.
 37. A round(s) may be cancelled in advance or on the day due to very poor weather conditions by the RO and/or the Section Sec. The Section Sec. will reschedule a round whenever possible/practical and with the agreement of the majority of the Club 500 Drivers involved.