



Radio Controlled Model Aeroplanes (Electric Fixed Wing)



What to Buy?

Model flying has been taking place on Epsom Downs from at least the early 1950's. This was ratified with the formation of the Epsom Downs Model Aircraft Club (EDMAC) in 2006 following consultation between Epsom/Ewell Borough Council and the British Model Flying Association (BMFA). We have an elected Committee and an active membership.

Membership/Insurance

Local by-laws require anyone flying a model aircraft on Epsom Downs to be a member of both EDMAC and the BMFA.

- £10 EDMAC membership (free for under 18's)
- £42 BMFA membership & third-party insurance (£20 for under 18's)
- Both EDMAC and BMFA can be joined at the same time through www.edmac.org.uk or contact us at membership@edmac.org.uk.

Plane

We recommend the Max Thrust Riot V2 as an excellent all-round model. With a wingspan of 1.4 meters, it can cope with British weather and is available in red, yellow, and blue liveries. There are 3 options:



PNP (plug and play):	£220	This is the one to go for as it comes almost ready to fly with motor, speed controller (which regulates throttle) and servos pre-installed.
RTF (Ready to fly)	£320	Although this comes with radio transmitter, battery, and charger we recommend you avoid this version as the transmitter isn't compatible with dual control setups and the charger is very basic.
Airframe only	£160	Again, avoid for now but cheaper than spare parts in case the worst happens.

Radio

We would recommend the FLYSKY FS-I6X transmitter which comes complete with a receiver for only £65. It has a lot of features and will continue to be useful after you are flying solo. Make sure you get a Mode 2 control stick configuration (throttle on the left). You will need two transmitters so they can be linked together for dual controls with the FlySky 4-Pin Trainer Cable (approx. £10).



Batteries and Charger

You will need a 3 cell (11.1 volt) lithium polymer battery for the Max Thrust Riot when learning. We would recommend the Overlander 2200mah 11.1v 35c LiPo Battery SuperSport packs which are around £20 each. Ideally get at least three batteries.

We recommend the GT Power C6D Pro 100W AC/DC charger (approx. £70). Whatever charger you get make sure it has a 'storage mode' function (*batteries soon 'puff' up and degrade if left midweek at full or empty charge*) and at least 100w power.



Where to Buy

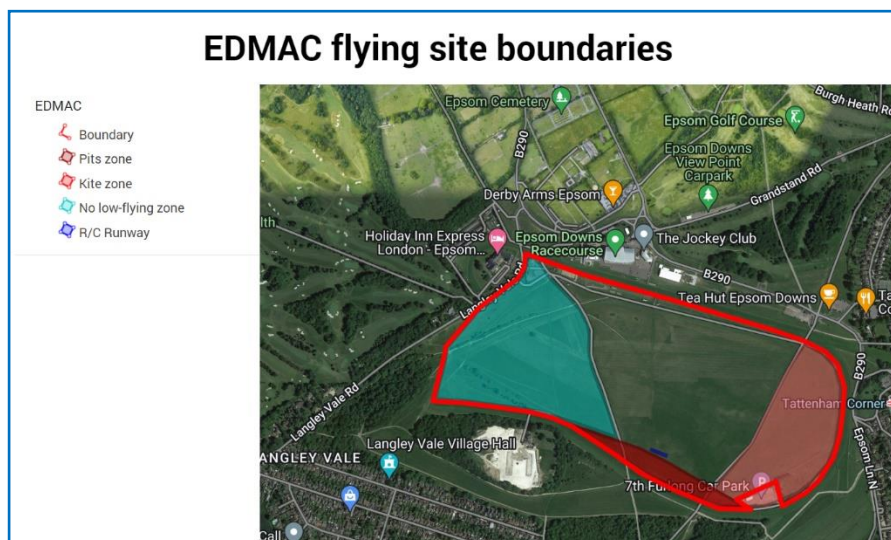
We would always recommend supporting your local hobby shop. The nearest to EDMAC are Addlestone Model Centre (www.addlestonemodels.co.uk) and ALIGN-TREX near Slough (www.align-trex.co.uk). Both also do mail order. FLYSKY I6X transmitters are available in the UK from www.flyingtech.co.uk & www.hobbybitz.co.uk.

In all you are looking at around £550. Before committing do approach us for a free flight on one of our club trainers. The BMFA allows us to give you a flight using dual controls under the club's third-party insurance, and this is an excellent way to confirm this hobby is for you. Flying is after 12pm and weekends are busiest.

We look forward to seeing you at the flying site!

EDMAC Club Rules

1. This flying site, shown bounded in red, is operated by Epsom Downs Model Aircraft Club (EDMAC).
 - The red line marks the boundary stated in the byelaws for model flying.
 - The light red shading marks where the byelaws require a minimum altitude of 61 metres (200 feet) for radio-controlled aircraft. This is the area at the Tattenham Corner end of the racecourse.
 - The dark red shaded area south of the Radio Control (R/C) strip marks the Pits no-fly zone.
 - The green shaded area is the area where R/C models may not be flown below 30m (100ft) in this zone unless making a landing approach. This is the area at the western end of the racecourse.
2. The no fly zones:
 - The Car Park
 - Any part of the Racecourse proper
 - Behind the flight line or over the pits area.
 - The no low-flying zone to the west of Walton Road where any R/C model may not be flown below 30m (100ft) unless making a landing approach.
 - The By-Laws prohibit the flying of R/C models lower than 61m (200ft) in the kite-flying zone.



3. Only members of EDMAC are licensed to fly and all pilots must always have their EDMAC & BMFA membership cards with them for identification purposes when flying on the Downs. All pilots must have BMFA 3rd Party Insurance and hold a valid Registration Competency Certificate.
4. Flying Times:
 - No models may be flown before 12 noon or after sunset.
 - No Radio-Controlled model or any model powered by I/C or electric motors may be flown after 20:00hrs.
 - All models guided by 35Mhz PCM or 2.4Ghz transmitters must have a functioning failsafe.
 - The Club operates the BMFA Flying Achievement Scheme with a BMFA "A" certification being the minimum qualification to fly solo. Pilots of multi-rotor craft which cannot have the built-in stabilisation circuitry switched off can only fly solo when they have passed the BPC "A" multi-rotor test. Pilots without an "A" certificate in any discipline must be accompanied on the flight line by an "A" certificated Club pilot (heli pilot OK for multi-rotor) of the same discipline before flying their model.
6. For safety and common-sense reasons, ALL fixed wing I/C or electric models must be tethered using a tail or other secure mechanical restraint when starting and carrying out range checks with the following proviso. A mechanical restraint may not be required for lightweight models powered by an I/C engine of less than 1.5cc or its equivalent sized electric motor, or for any plane without an undercarriage. These models however must be physically restrained at all times in a safe manner during pre-flight checks, whilst the engine is running or, in the specific case of an electric model when it is switched on and live.
7. Models must not take off from, or taxi back into, the pits. Only 6 R/C models are allowed in the air at one time. All pilots must stand in the same "flight box" at the downwind end of the flight line.
8. When fixed-wing aircraft are flying, no low-level aerobatics are permitted by any pilot over the strip.
9. All Club Members are to consider themselves to be Safety Marshals to make the general public aware, and request that they exercise caution, when model aircraft are flying. No Club member is to fly any R/C, or propeller driven I/C or Electric FF model aircraft without another person being present.
10. Only transmitters operating on the, 35MHz & 2.4GHz band are permitted.
11. 35Mhz Transmitters must not be switched on until the pegboard has been checked for frequency clearance. A peg on system is in operation and applies to all frequency bands. Adjacent frequency channel checks are advisable. All pegs should carry the full name of the pilot.
12. The By-Laws prohibit the flying of any aircraft with a dry weight of more than 7 kg or 15.4 lbs. Dry weight is defined for I/C models as being without fuel, glow or petrol, but with its battery for electric motor planes.
13. The Department of Environment noise limit for powered aircraft of 82 dB maximum at 7 metres on all 4 faces applies.
14. All pilots must be familiar with the By-Laws, accept any checks, recommendations, or requests that the Conservators or Rangers may make, and act in compliance with their requirements. All Club members should treat all other Downs Users with courtesy and civility.
15. Rules 2, 5, 7, 8 are specific to the flying of Radio Control Models and do not apply to Free Flight Models.