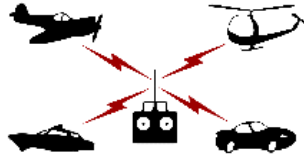


# MICK CHARLES MODELS

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Thursday 9.30-7.00



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## Beginner's Aircraft.

### Park Flyers

A park flyer is a small aircraft, typically around one metre span and usually made of foam. They can be flown in a small area and are slow and light enough that they will do no harm to anything they hit.

Some park flyers are harder to fly than others. Fighter aircraft like Spitfires tend to be unstable and have higher stall speeds than are ideal for learning to fly.

We also think it is important for aircraft to use control surfaces (elevator, rudder etc.) to alter the attitude of the plane. Some cheap aircraft use motor thrust to do this which leads to very poor control.

The aircraft below all have a high set wing for stability and a light wing loading for good control at low speeds. They all use rudder and elevator controls for precise control response.

### HOBBYZONE SUPER CUB



The Super Cub is easy enough to fly for a complete beginner and at 1.2m span it can fly in light winds.

It also has the SAFE gyro stabilisation system that not only makes the aircraft easier to fly but will return the aircraft to level flight for you at the touch of a button on the transmitter. A lipo battery is included as standard.

Of mostly foam construction and with a 4 channel 2.4 ghz R/C it comes almost ready to fly out of the box. Spares are available from stock if needed.

HOBBYZONE CUB PACKAGE DEAL	
Hobbyzone Cub inc 3 channel R/C, lipo battery and 12V charger	£149.99
<b>Total:</b>	<b>£149.99</b>

### PARKZONE SPORT CUB



The Parkzone Sport Cub is an upgraded version of the Hobbyzone Super Cub. It features a more powerful brushless motor and ailerons for improved maneuverability. There are larger wheels for better rough ground performance and flaps can be fitted as an optional feature. The Sport Cub has the Super Cub's three axis gyro but lacks the safety system that auto-levels the plane with the press of the button. So it is an ideal second model for someone who can fly the Super Cub or a first model with an instructor.

PARKZONE SPORT CUB PACKAGE DEAL	
Sport Cub inc R/C, battery, 4 hour mains charger and 1 hour 12V charger	£179.99
DX4 transmitter	£45.00
<b>Total:</b>	<b>£224.99</b>
Optional DX6i transmitter and 2 servos (flaps)	£95.00

### RIPMAX ZEPHYR



The Ripmax Zephyr is a stable wooden electric aircraft and is ideal for those who don't like the look of foam aircraft. At 1.57m span it is a little larger than the other aircraft on this page.

The airframe comes built and covered and just some final assembly to fit the R/C is needed to get it flying.

ZEPHYR PACKAGE DEAL	
Zephyr ARTF aircraft	£121.99
Saturn 6 radio control (inc 2 mini servos)	£64.99
11.1V 1600 mah lipo battery	£21.50
Absima LC-1 charger	£11.99
Propeller	£2.99
<b>Total:</b>	<b>£223.46</b>

## Trainer aircraft

The ideal beginner's model is known as a "trainer", an aircraft whose main characteristics include a wing mounted above the fuselage for stability and a large wingspan of over 1.6m. This allows trainer aircraft to fly in windier conditions than park flyers. However because these aircraft are heavier and faster they could do more damage if they hit something. So we would always recommend not trying to fly a trainer without tuition. Best bet is to join one of the clubs as shown below.

These aircraft come largely pre built, requiring just a little final assembly to join the major assemblies and install items like the engine and radio control.

The radio control systems included in these deals are interference beating 2.4ghz systems and are equipped with a "buddy box" system. This allows two transmitters to be linked via a cable, with a master switch on one allowing the instructor to take over control of the other transmitter instantly if the pupil makes a mistake. This makes learning to fly much safer.

We recommend beginners bring their models back to the shop prior to their first flight so that we may give it a free pre-flight check.

## ST MODELS DISCOVERY

The Discovery from ST Models is a large ready to fly trainer plane, with a wingspan of 1.46m. Generally, the bigger the model, the better it can cope with windy conditions. This aircraft is more aerobatic but not quite as stable as the Cub, so ideally some instruction would be recommended for beginners at first.

Some minor assembly is required, mainly just screwing the main assemblies together and applying the stickers.



BLACK HORSE PACKAGE DEAL	
Discovery electric trainer	£119.99
Saturn 6 ch radio control	£54.99
11.1V lipo battery (2200 mah)	£16.99
Charger	£12.99
<b>Total:</b>	<b>£204.96</b>

## E-FLITE APPRENTICE S

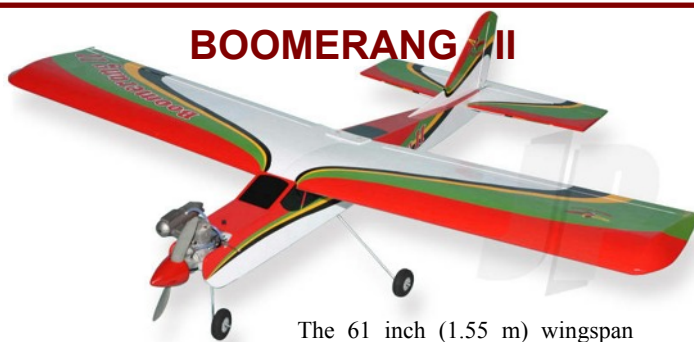


The 58.5 inch (1.5 m) wingspan Apprentice S is one of our most popular electric powered trainers. It is of foam construction, comes almost ready to fly and features excellent instructions. It also has the SAFE gyro stabilisation system that not only makes the plane easier to fly but has a panic button on the transmitter that auto-levels the plane in an emergency.

As well as being very easy to fly, the Apprentice has some scope for aerobatics when the basics of flying have been mastered.

E-FLITE APPRENTICE S RTF PACKAGE DEAL	
E-Flite Apprentice S inc R/C, lipo battery and charger	£259.99
<b>Total:</b>	<b>£259.99</b>

## BOOMERANG II



The 61 inch (1.55 m) wingspan Boomerang II engine powered trainer has excellent instructions and requires only a few hours of assembly to join the major parts of the airframe together. These parts (fuselage, wings, tailplane etc.) are all pre-built and already covered in heatshrink film. The Boomerang also features options for tricycle and tail dragger undercarriage layouts.

As well as being easy to fly, the Boomerang has some scope for aerobatics when the basics of flying have been mastered.

BOOMERANG II PACKAGE DEAL	
Boomerang II ARTF aircraft	£99.99
Futaba 6K radio control (inc 4 servos)	£199.99
SC46 engine	£69.99
Other items: (glow starter, propeller, pump, fuel etc.)	£39.00
<b>Total:</b>	<b>£408.97</b>

## Local Flying Clubs

You should not attempt to learn to fly large aircraft without tuition. Unless you know an experienced flyer who can teach, you will need to contact a professional instructor (ask in the shop for details) or better still, join one of the many local flying clubs. Clubs have their own private flying fields and experienced instructors. The local clubs are listed here:

Esher Club	www.edmfc.org	Alan Dobson	(020) 8393 8474
Epsom Club	www.mjp.co.uk/erfc	Graham Martin	07973 894657
Elmbridge Club	website.lineone.net/~elmbridgemc	Tony Handley	020 8330 2891
Croydon Club	www.camfc.co.uk	Geoff Potts	01883 627470
Leatherhead Club	www.leatherheadmfc.org.uk		
Epsom Downs Club	www.edmac.org.uk		
Surrey R/C Club	http://surreyrcc.bmfa.org		

## Additional Items

The aircraft deals shown above can be altered to your taste.

Computer radio controls like the Futaba 8J or Graupner MZ24 are also more suitable for flying helicopters or more complex aircraft. Upgrading to one now might save you having to buy a second R/C later for helicopter flying.

Flight simulator software allows you to practice flying a "virtual" R/C aircraft on your PC. While a useful aid for learning to fly, they are not a substitute for being taught by an expert. The Phoenix 5 simulator requires you to use your own R/C transmitter, which is linked to the PC through a USB cable.

For electric models a programmable charger like the Sigma EQ Mini, or for higher capacity batteries the Sigma EQ Touch may be useful. With these you can charge up many different types of battery, you can view the state of charge of your battery and you can charge from 12V as well as the mains.

ALTERNATIVES TO DEAL ITEMS	
Futaba 8J 2.4 ghz R/C inc (no servos)	£279.99
Graupner MZ24 2.4 ghz R/C (no servos)	£299.99
Phoenix 5.5 R/C flight sim for PC	£104.99
Futaba adaptor for Phoenix sim	£9.99
Sigma EQ Mini charger	£29.99
Sigma EQ Touch	£61.50