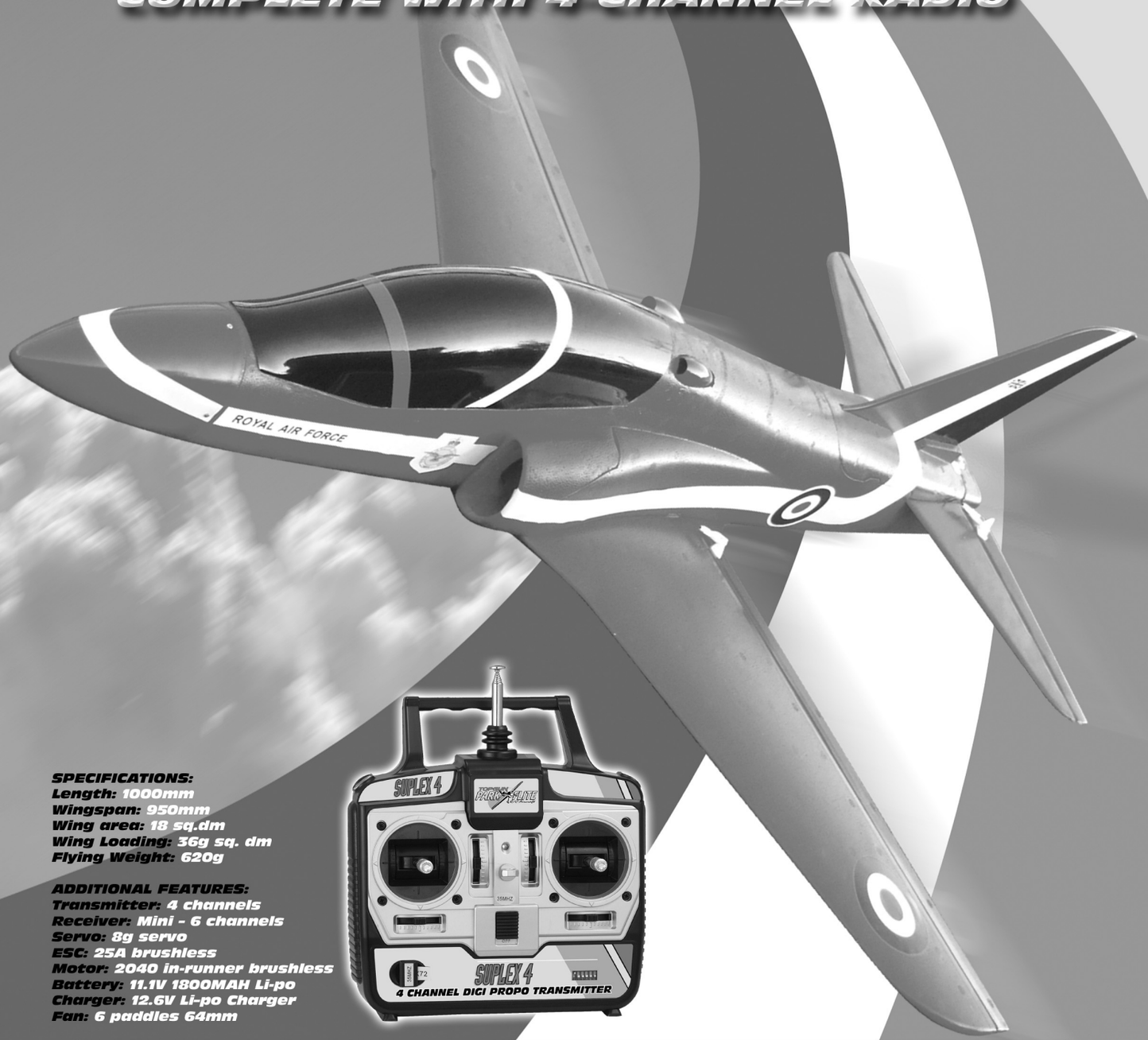
TOPGUN PARK FLITE R/C Aircraft

FOR AGES OF 14+

BAE HAWK JET

READY TO FLY ELECTRIC DUCTED FAN JET
COMPLETE WITH 4-CHANNEL RADIO



SPECIFICATIONS:
Length: 1000mm
Wingspan: 950mm
Wing area: 18 sq.dm
Wing Loading: 36g sq. dm
Flying Weight: 620g

ADDITIONAL FEATURES:
Transmitter: 4 channels
Receiver: Mini - 6 channels
Servo: 8g servo
ESC: 25A brushless
Motor: 2040 in-runner brushless
Battery: 11.1V 1800MAH Li-po
Charger: 12.6V Li-po Charger
Fan: 6 paddles 64mm

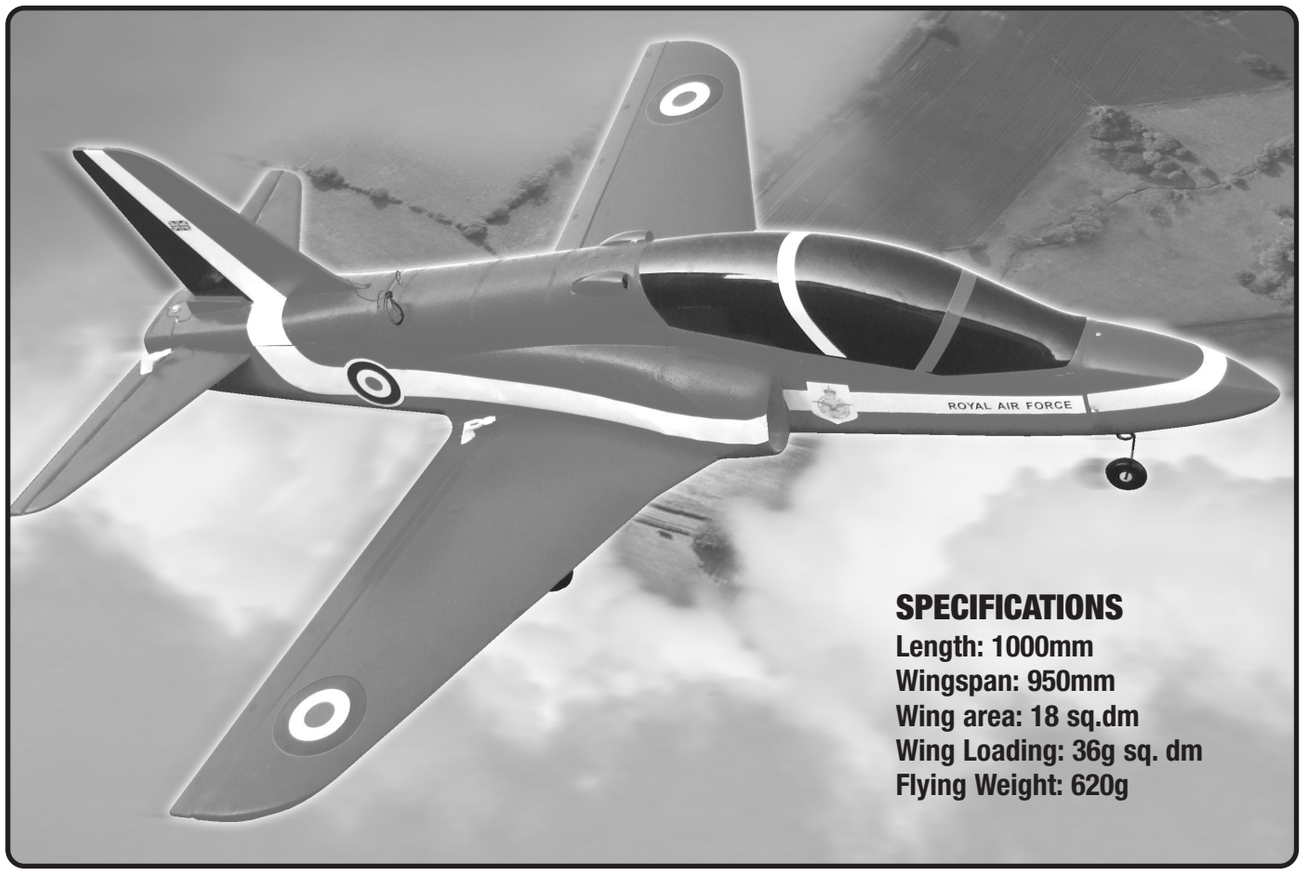
INSTRUCTION MANUAL

CML DISTRIBUTION

WWW.CMLDISTRIBUTION.CO.UK

BAe Hawk Jet

ELECTRIC DUCTED FAN RTF MODEL



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INSTRUCTION MANUAL

MANUAL CONTENTS

READY-TO-FLY MODEL

Suitable for intermediate to advanced amateur flying, the speed is quick and stability outstanding regardless of high or low speed. Its very light, all up weight provides great lift, with extremely stable gliding. For the more advanced, loops, inverted flight and rolls can all be achieved easily.

The Hawks entire fuselage uses a special modular, structural design resulting in a strong and solid centre section that is simple and quick to construct.

HISTORY

In 1964 the Royal Air Force specified a requirement for a new initial jet trainer to replace the Folland Gnat. The SEPECAT Jaguar was originally intended for this role, but it was soon realised that it would be too complex an aircraft for initial jet training. Accordingly, in 1968 Hawker-Siddeley began the design of a much simpler strictly subsonic trainer, the HS.1182. It was to have tandem seating and would be capable of carrying armaments, which would enable it to be used as a weapons trainer and in light combat roles.

Renamed "Hawk" in 1973, the aircraft first flew in 1974. It entered RAF service in April 1976, replacing the Gnat and Hawker Hunter in the advanced training and weapons training roles respectively. The following year Hawker Siddeley merged with other British aircraft companies to form the nationalised British Aerospace (BAe), which subsequently became BAE Systems upon merger with Marconi Electronic Systems in 1999.

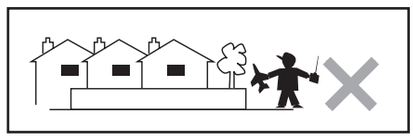
The most famous RAF operator of the Hawk is the Red Arrows aerobatic team, which adopted the plane in 1979. The Hawk has excellent manoeuvrability, and while it is not capable of supersonic speed in level flight, it can attain Mach 1.2 in a dive, allowing trainees to experience transonic handling without the cost of a supersonic trainer.

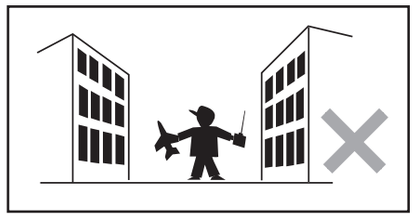
WARNING

This R/C aircraft is not a toy and can result in serious bodily harm, injury and property damage if misused.

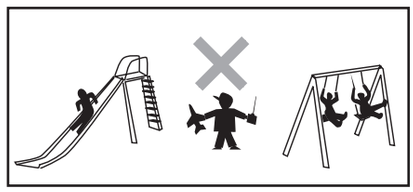
LIMITATIONS OF FLYING AREA

• Only fly your plane in areas that are suitable or selected for radio controlled airplanes. It is important that you realise that certain public areas are not suitable for model flying. Check with your local council or the BMFA if you are in any doubt.

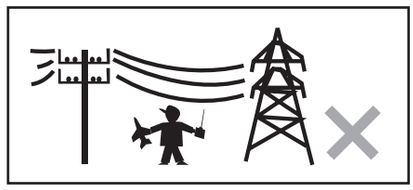




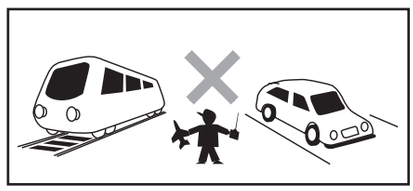
• Keep your plane away from high power/high voltage cables as they can cause interference with your radio system. Interference can result in loss of control of your plane, ultimately leading to a crash.



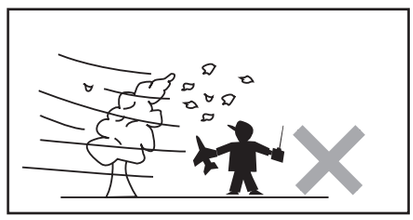
• Try to avoid using your plane in coastal areas. The salt in the air can cause corrosion with the radio system resulting in failure.



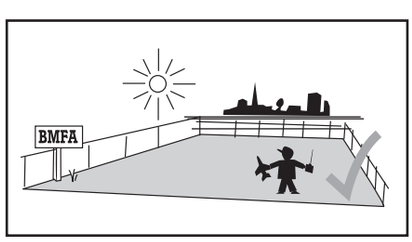
• Stay away from areas with traffic. Flying in these areas can distract drivers and result in accidents.

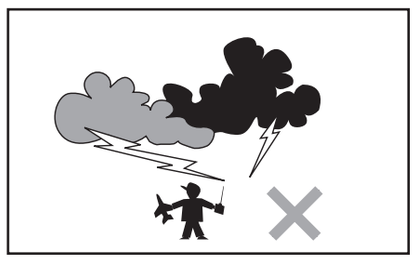


• Don't fly your plane near airports or routes where commercial aircraft are flying.



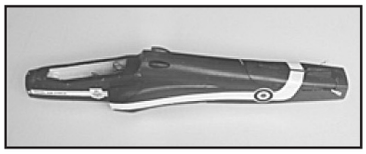
• Avoid flying by play areas within parks and other populated areas.

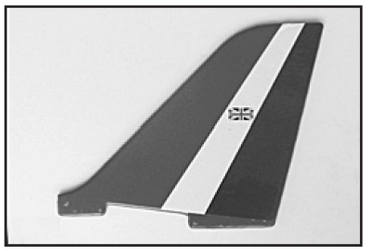


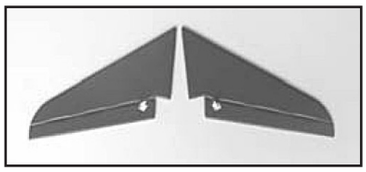


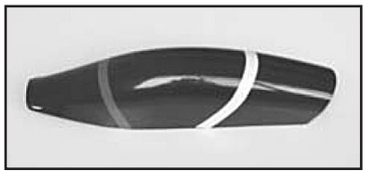
BAe Hawk Jet

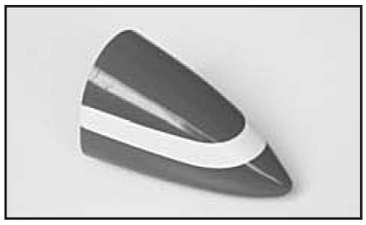
CONTENTS OF KIT











LARGE PARTS

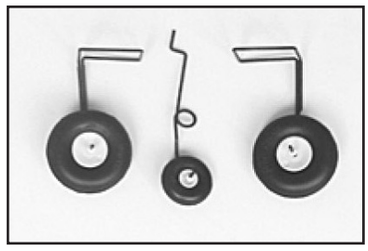
Fuselage (TGP0010)
Main Wing Set (TGP0011)
Vertical Tail Fin (TGP0013
Horizontal Tail (TGP0012)
Canopy (TGP0014)
Front Nose Cone (TGP0015)
Landing Gear (TGP0016)
Charger (TGP0515)
Lipo Battery (TGP0520)
Transmitter and RX

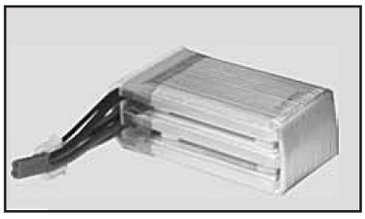
OPERATIONAL COMPONENTS

Transmitter: 4 channels (Aileron, Elevator, Throttle, Taxi)
Receiver: Mini 6 channels
Servo: 8g servo
ESC: 25A brushless
Motor: 2040 in-runner brushless
Battery: 11.1V 1800MAH Li-polymer
Charger: 12.6V Li –po Charger
Fan: 6 paddles 64MM

ADITIONAL ITEMS NEED TO COMPLETE THIS KIT

8 x AA size cells for the transmitter





IMPORTANT
SAFETY PROCEDURES BEFORE FLIGHT

• Before each flight, check your transmitter and battery power level to be sure that you start your flight under normal (optimum) conditions.

• Always switch on your transmitter first then connect the plane battery to the aircraft when you are ready to fly. When you have finished flying, first remove power from the aircraft and then switch off your transmitter.

• If the battery is connected but no signal is received from the transmitter (e.g. the transmitter is turned off first or receiver is not picking up a signal) then the plane may respond erratically, with moving controls and propeller movement. This is not a malfunction, but standard behaviour when the controls are switched off in the incorrect order.

• Before turning on your transmitter, check that no other people are flying model aircraft on the same frequency. This can cause interference and result in a plane crashing.

• After switching on your model, check that all the control positions are set correctly in the neutral position. Adjust accordingly if not using the trims on the transmitter.

• Check that all functions are working correctly and as you expect them to when using your transmitter.

• Avoid flying in bad weather conditions. Since you are flying a relatively light aircraft, it is suggested not to fly in strong wind or rainy conditions. Wind can cause the aircraft to behave erratically and result in loosing control of the aircraft.

• Always keep the aircraft within visual range. It is important that you are able to see what direction the plane is going avoiding any persons and objects.

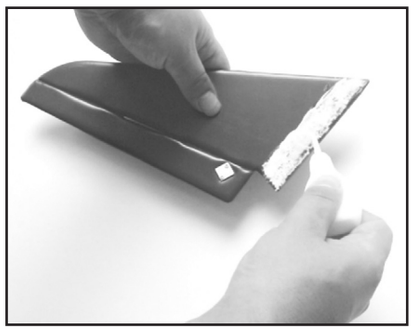
• If you notice that the aircraft is starting to loose power you must land and recharge the battery. If you continue to fly and power is sudden lost it can be hard to land the plane in a controlled manner, subsequently increasing the risk of a crash.

BAe Hawk Jet

ASSEMBLING THE AIRCRAFT

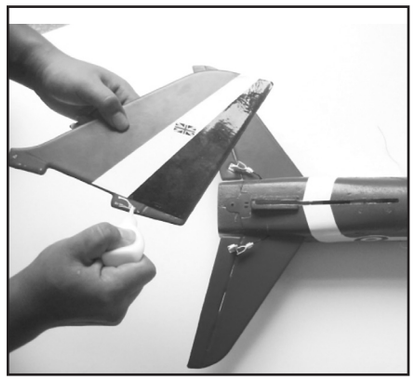
ATTENTION

DO NOT CONNECT THE POWER BEFORE FINISHING ASSEMBLY!!!



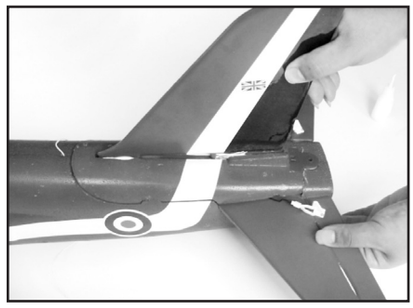
INSTALL HORIZONTAL TAIL

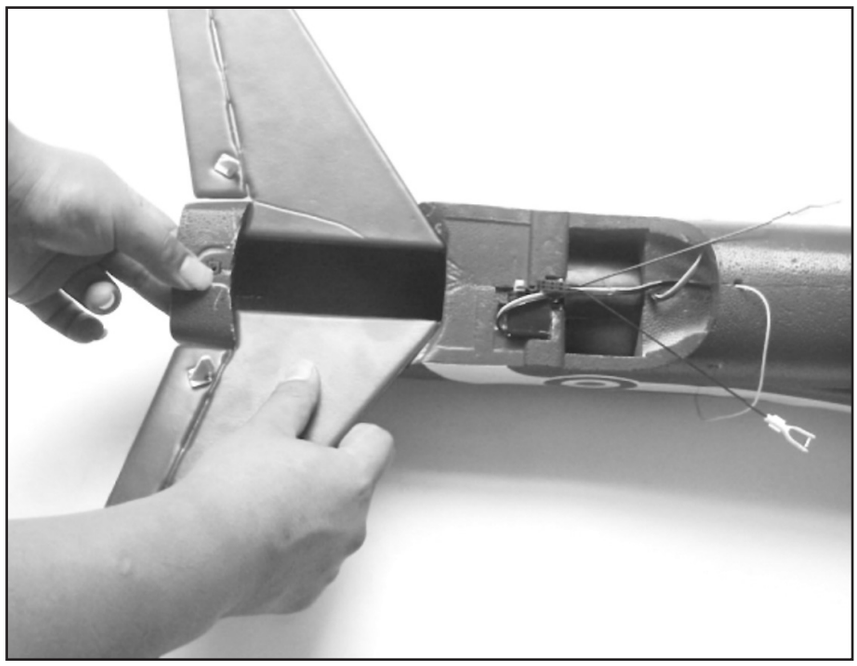
Apply glue to inside edge of each tailplane half as per photo and mount to fuselage.

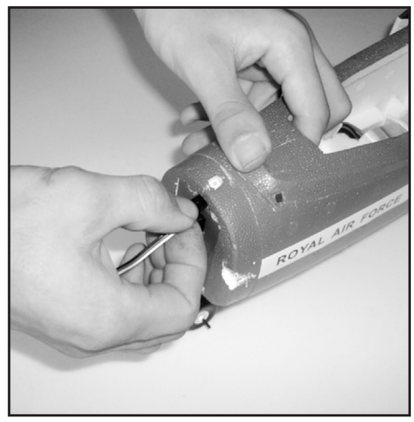


INSTALL VERTICAL TAIL FIN

Apply glue to base of the fin as per photo and push into the slot provided in the rear, removable portion of the fuselage. Making sure that it is absolutely vertical.

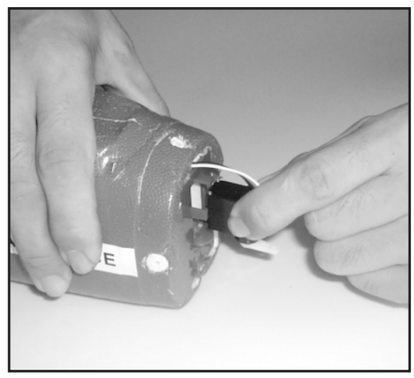


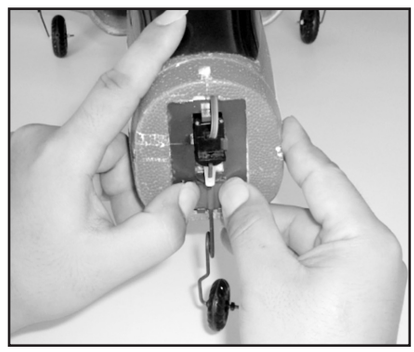




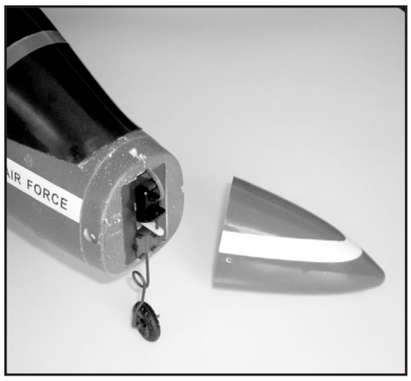
INSTALL STEERABLE FRONT WHEEL

Push the servo wire through hole in front of fuselage.
Install the servo horn onto to the servo spline as far as it will go and secure. Invert the servo and mount with the horn and spline end away from the fuselage.
Make the second hole in the horn 2mm diameter. With the transmitter turned on and the aircraft turned on set the trims on the transmitter to centre and

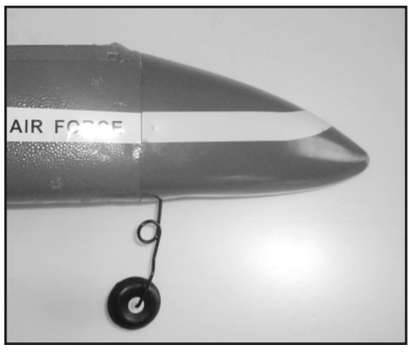




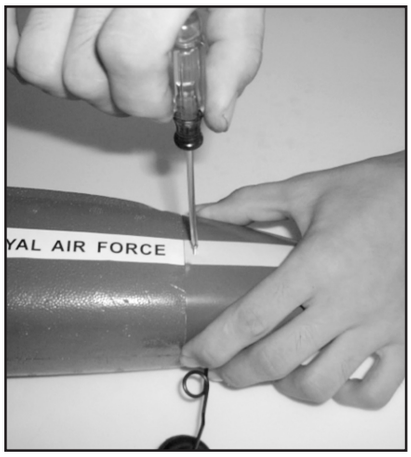
ensure the servo rotates 90˚ angles left and right. Press servo into slot.
Press the wheel wire into the second hole of the servo arm and then secure to the front of the fuselage.



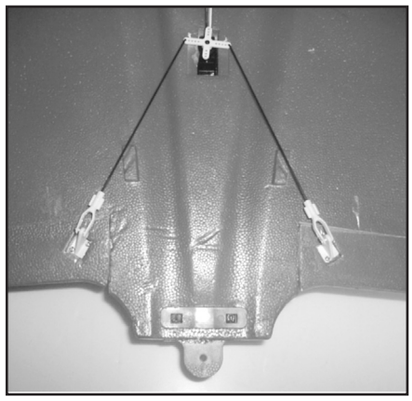
INSTALLING THE FRONT NOSE



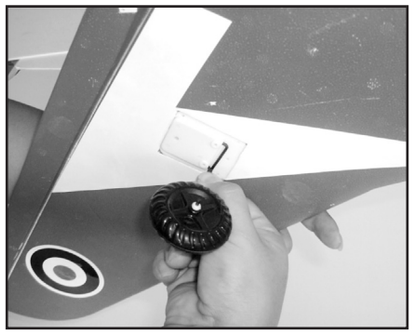
Line up the front nose with the white stripe so that it matches the fuselage line.
Fix nose to fuselage with M2 x 4 screws.



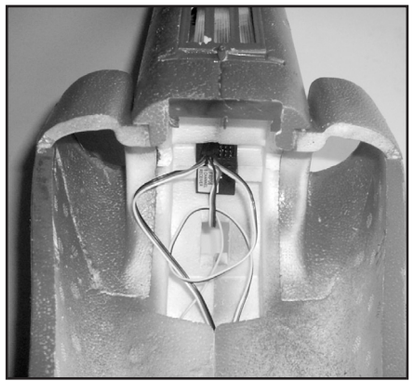
INSTALL THE MAIN WING



A. Install the aileron control rods, as shown in the picture.



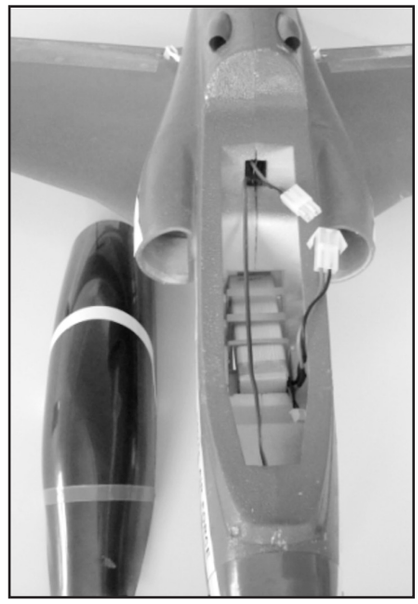
B. As shown in the picture, these wires push into the pre-installed cover



C. Insert the servo wire into the receiver matching the direction of the others.

D. Mount main wing to fuselage using M4 x 10 screws.

INSTALL THE CANOPY



BAe Hawk Jet

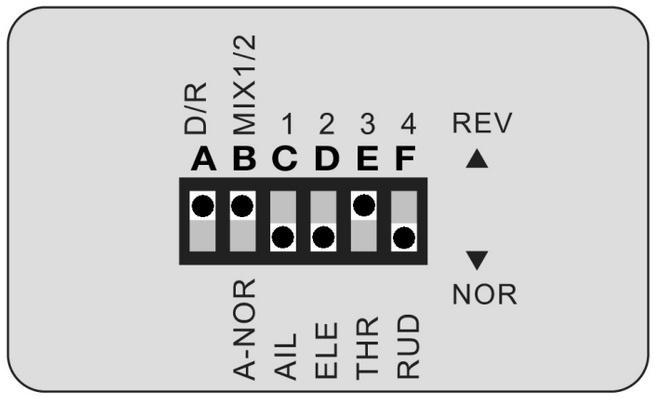
SWITCH FUNCTION INSTRUCTION:

A. In the up position, the movement of channels 1,2 & 4, is 100% and in the down position the throw is reduced.

B. Channel 1 & 2 mixture function: Delta wing (elevon).

C. Channel 1 – Aileron reverse switch. The down position is normal mode and in the up position the function is reversed.

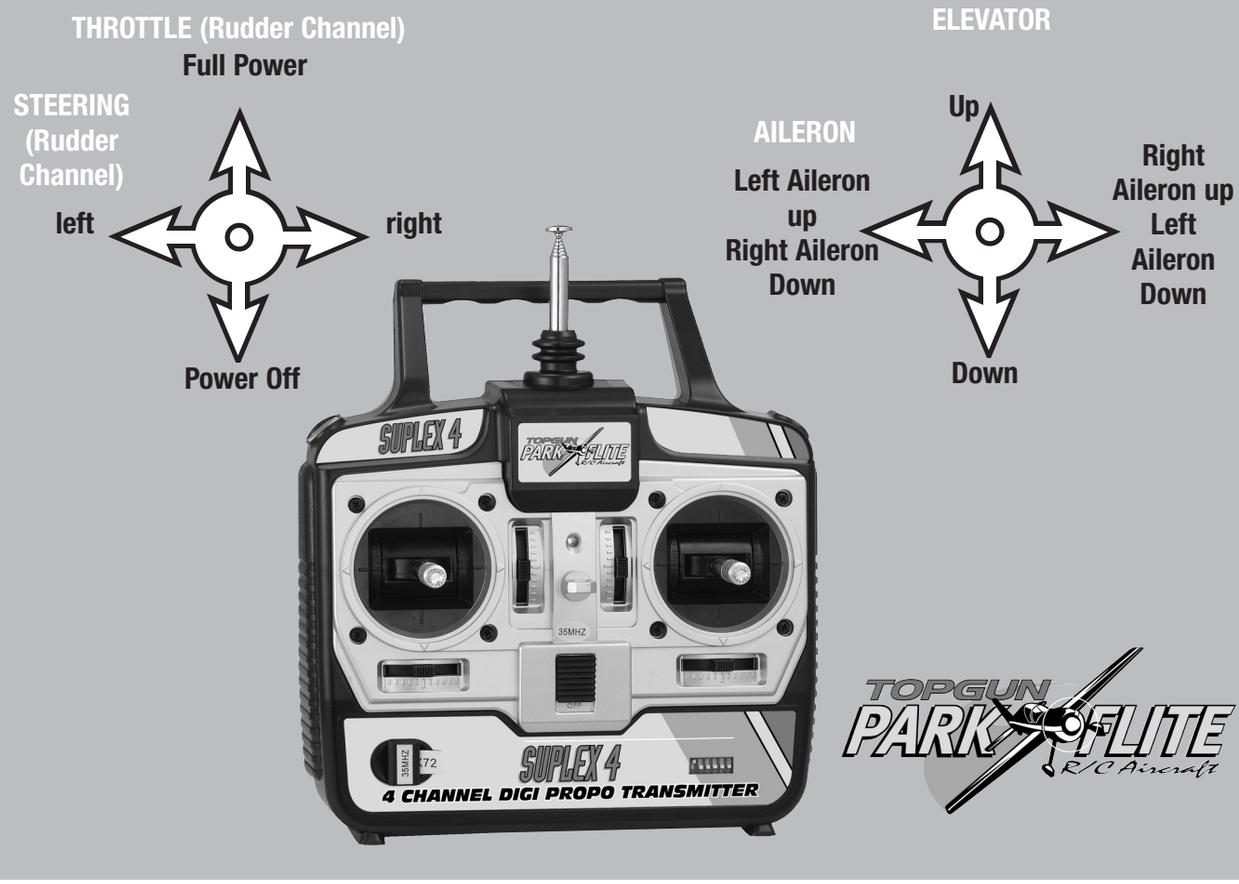
D. Channel 2 – Elevator reverse switch. The down position is normal mode and in the up position the function is reversed.



E. Channel 3 – Throttle reverse switch. The down position is normal mode and in the up position the function is reversed.

F. Channel 4 – Rudder reverse switch. The down position is normal mode and in the up position the function is reversed.

TRANSMITTER FUNCTIONS: MODE 1



RADIO SET-UP

Your radio is a 4-channel model with the following functions:

Sound and light hint indicate low power: when battery power is below 8.8v, the power indicator light 1S/1S glitters and buzzes. When below 8.3v they glitter and buzz at the same time.

CHARGER & BATTERY

• Connect battery to charger. When the battery light indicator turns from red to green this indicates charge complete.

ATTENTION

DO NOT LEAVE BATTERY UNATTENDED WHILE CHARGING. RECHARGE TIME IS LESS THAN 2 HOURS. DISCONNECT ONCE BATTERY IS CHARGE AND THE CELLS ARE WARM.

• Do not discharge your battery below what the speed control sets.

• Only use specifically design Lipo compatible chargers
Do not charge lipo battery inside the model, a car, or by anything flammable

• Only charge lipo batteries on a non-flammable, non conducting surface, such as a concrete floor. After a crash and inspect the pack for damage and dispose of safely if there are any signs of damage.

• When storing the battery, store fully charged in a cool, dry location. Away from aforementioned areas.

• If you accidentally short a battery, move it to a secure, safe open space outdoors. Observe, as the battery may well swell up and possibly catch fire.

• Your BAE Hawk is supplied with a 12c rated 3S 1800mah lipo battery. It is compatible with the brushless motor and 25 amp speed control included.

• Please be aware that should you look to use higher 20C or higher rated batteries, you will need to upgrade to the appropriate rated speed control

FINAL CHECKS BEFORE FLIGHT AND TIPS

The range distance between radio and model is about 300 metres. Before flying switch transmitter and plane on and have a friend take your model some distance away and check that all functions work correctly without interference.

You can taxi the plane on the ground with little power and allow yourself to become familiar with the direction control.

FLIGHT SIMULATORS

A great idea to learn to fly is to purchase a Simulator. This allows you to become familiar with the controls without the risk of crashing. RealityCraft Planemaster is one that we highly recommend for useabilty and price. See advert over leaf or www.cmldistribution.co.uk for further details.

BAe Hawk Jet

NOTES:

'Learn to fly without the expense of numerous crash damage'

UNBEATABLE VALUE!

RC PlaneMASTER

R/C Flight Simulator Software for PCs with 4 Channel Transmitter & USB Connection

RC Plane Master is an extremely realistic and affordable flight simulator dedicated to radio-controlled model planes. Ideal for beginners and experienced pilots alike, RC Plane Master allows you to practice and improve your flying skills even if its raining or windy outside. With the number of crashes you'll save yourself, you'll be pleased you've been practicing with RC Plane Master.

FEATURES:

- Easy Install System – simply insert the CD-R
- Incredible Realism – Each part of the aircraft is modelled individually with an advanced set of real physics parameters to achieve the highest levels realism. Even the wind is modelled separately for each part of the aircraft!
- Adjustable Physics – Tailor the aircraft to fly the way you want them to with the easy to use physics editor. Change the weight, center of gravity, inertia, wing coefficients, strengths and much more with just the click of a mouse!
- FREE Models and Landscapes – 12 superb 3D models and 5 challenging landscapes on CD with more available for FREE in the members area. You'll never get bored with RC Plane Master!
- Fantastic Variety of Planes – Fly electric, glow engine, jet and even rocket powered model aircraft. Experience a wide range of power!
- Split Screen 2 Pilot Modes – Have even more fun by flying with a friend on the same computer in split screen mode. You can even Dogfight with your friends as each aircraft is equipped with guns! Just watch the other guy's plane fall apart as you pound them with bullets!
- Advanced Collision Detection with Awesome Crashes – All parts of the planes are modelled separately and can break off when hit. Collisions are fast and accurate and all objects in the scene can be hit with fantastic effect. There are also fantastic options to configure random engine, servo, gear and structural failures. Try landing with only 1 wheel down!
- Great Attention to Detail – All flight surfaces move independently. Excellent shadows, smoke and exhaust effects combined with beautifully rendered aircraft and propeller effects. Adjustable wind parameters and effects that follow the contours of the terrain and varies with altitude. Many planes come with retractable landing gear, transparent canopies, control panels and even model pilots.
- Adjustable field of view – Other simulators go out of view much too quickly. Not with RC Plane Master! You can adjust the field of view so that you can see them at distance, just as you would in reality. There are also many different views to choose from such as auto zoom and chase view.
- Easy to Use Interface – Just 2 clicks and you are flying! Many useful options to adjust the level of simulation detail and optimise the performance on your machine. Planes and landscapes can be pre-viewed in 3D before being selected.

Part No. RCSIM40 Mode 1

Part No. RCSIM41 Mode 2

Also available PlaneMaster Expansion Pack with 12 new aircraft, 6 bonus aircraft from the internet and 2 new landscapes: RCSIM5

REALITY CRAFT www.realitycraft.com
The Art Of Simulation

www.cmldistribution.co.uk

CML products are available from all good model shops. For a full listing check the CML catalogue or www.cmldistribution.co.uk
CML Distribution, Saxon House, Saxon Business Park, Hanbury Road, Bromsgrove, Worcestershire. B60 4AD. Email: info@cmldistribution.co.uk

TOPGUN PARK FLITE R/C Aircraft

CML DISTRIBUTION

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Web site: www.cmldistribution.co.uk