



Ripmax

NEW ITEMS 2014





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Welcome to the Ripmax New Items Catalogue 2014! It's packed with a wide selection of the most exciting new items from around the world. Just in time to be included is the fantastic new Futaba 10J combo - a fully-featured radio with the latest T-FHSS telemetry and supplied with an

R3008SB receiver. We've also expanded the UDI range of quads, drones and helicopters plus there are two new Ripmax helicopters with cameras on board. Chris Foss has been busy... creating what must be the best looking biplane on the planet! Fitting in the back of a family car in one piece, it's suitable for electric or I.C. powerplants. The new brushed and brushless Hunter are just in from DHK plus our latest 1:18th scale Dingo truggy follows the fabulous Jackal and Husky. With new introductions from O.S., Black Horse, Joysway, ZT Model and Deluxe Materials, it really is all in here!

NOTE: Unless clearly identified as 'Included' in the specifications or text, all models are supplied without radio and power system (I.C. engine or motor) and require further items to complete. We may offer recommendations as to suitable motors, engines and radios for the models we are featuring but these are not included.

Most of the models shown are supplied Almost Ready to Fly or operate and only require final assembly. For further information see www.ripmax.com

E&OE. Whilst every effort has been made to guarantee the accuracy of this publication, it is inevitable that some errors may occur during its production. Ripmax Ltd can accept no responsibility for losses or damages caused. Prices shown are intended as a guide only.

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Sky Spy 2.4GHz 3 Channel VTR Helicopter RTF

3 Channel

Ripmax

Length:	355mm (14")
Rotor Ø:	380mm (15")
Height:	190mm (7.4")
Width:	90mm (3.5")
Weight:	280g (9.9oz)
Radio:	3 Channel 2.4GHz (Included)
Motor:	2x Brushed (Included)
Li-Po:	3.7v 1000mAh (Included)

- High resolution FPV camera
- Intelligent gyro stabilisation
- Precise and accurate control
- Bright and colourful LEDs
- 1GB microSD memory card included!
- Live video transmission to the transmitter!
- Strong, lightweight stainless steel side frames

Using the latest technology R/C helicopters have become even more addictive! The SkySpy VTR helicopter is not only a stable contra-rotating helicopter it now features VTR (FPV) technology. This allows you, the pilot, to fly the helicopter from a 62mm (2.4") colour 1.3 megapixel screen on the transmitter that receives live transmission. There's a choice of a smaller, 3 channel version above, or the larger, more manoeuvrable 4 channel version below. Perfect for beginners and experts alike!

SKY SPY



**AERIAL
PHOTOGRAPHY**

**Excellent
Picture
Quality!**



Sky Spy 2.4GHz 4 Channel VTR Helicopter RTF

4 Channel

Ripmax

Length:	555mm (22")
Rotor Ø:	440mm (17")
Height:	325mm (13")
Width:	100mm (4")
Weight:	490g (17oz)
Radio:	4 Channel 2.4GHz (Included)
Motor:	2x 370 Brushed (Included)
Li-Po:	7.4v 1500mAh (Included)



- Live video transmission to the transmitter!
- Strong, lightweight stainless steel side frames
- 1GB microSD memory card included!
- High resolution FPV camera
- Intelligent gyro stabilisation
- Precise and accurate control
- Bright and colourful LEDs

A-ARTF68713 Sky Spy 2.4GHz 3 Channel VTR Heli£99.99

A-ARTF68752 Sky Spy 2.4GHz 4 Channel VTR Helicopter£149.99

Ripmax Chris Foss WOTS WOT Biplane

The new Wots Wot biplane is the latest model in the growing range of Chris Foss designed ARTF aircraft, and has (by general agreement) the best flying characteristics of them all! With its sleek aerodynamic design and relatively large wing area the Wots Wot has incredible low speed handling, being able to fly at amazingly slow flying speeds, yet open the throttle and the aerobatic performance and precision is truly outstanding! Suitable for I/C use with .70 to .81 four stroke engines or electric power with suitable motor and 5 cell battery pack, the Wots Wot is compact enough to fit into most cars in one piece, even hatchbacks, however the model has been optimised for rapid assembly/disassembly, requiring only 6 screws tightening and 2 clevises connected.

The model is supplied as an airframe only, with separate I/C and electric power option fitting packs, the I/C pack containing engine mount, fuel tank, spinner and throttle linkage, the electric pack has motor mount, battery mounting tray with 2 battery straps, magnetically attached hatch cover and mounting frame and spinner with alloy backplate. Flight times of over 12 minutes of mixed flying were achieved during test flying of the prototype models using a 5S 4500mAh battery pack!



Ripmax
wots·wot
BY CHRIS FOSS



A delighted Chris Foss with the prototype Wots Wot

**Glow
or electric
option!**

- Fully built-up from balsa and ply for maximum strength and lightness
- Pre-painted fibreglass cowling
- Pre-formed alloy undercarriage
- Tinted canopy and pre-painted pilot figure
- Factory covered in high quality heatshrink film
- Comprehensive set of accessories
- Detailed full colour manual

Wingspan:	1,280mm (50")
Length:	1,150mm (45")
Weight:	3.2kg (7lbs)
Servos:	4~5 Standard (Required)
Radio System:	4 Channel (Required)
Engine:	.70~.81 4-Stroke (Required) or
Electric Motor:	5055 [700Kv Type] (Required)
ESC:	60A (Required)
LiPo Battery:	5 Cell 3200~5000mAh (Required)

**Fits in
a family
car fully
assembled!**



A-CF007	Ripmax Chris Foss Wots Wot Biplane ARTF.....	£159.99
A-CF007/ICP	Ripmax Chris Foss Wots Wot IC Option Pack.....	£12.99
A-CF007/ELP	Ripmax Chris Foss Wots Wot Electric Option Pack...	£19.99

Black Horse Robin DR400 ARTF

- Covered with Oracover
- Oleo struts (nose and mains)
- Detailed cockpit
- Tow capability



Ideal first large model!!

The Robin series of light aircraft are famous for their distinctive polyhedral wing layout, and the "washout" wing tips which allow low drag in the cruise and excellent stall characteristics at low speed. This Black Horse representation is no different, and would make an ideal first 'large' model for newcomers to petrol engines.

A-BH129 Black Horse Robin DR400 ARTF.....£399.99

Wingspan:	2,200mm (86.6")
Length:	1,760mm (70")
Weight:	7.4kg (16.3lbs)
Servos:	9 Standard (Required)
Radio System:	7 Channel (Required)
Engine:	22~33cc Petrol (Required)

Black Horse Extra 300S ARTF

Arguably the most famous aircraft on the airshow circuit, the Extra 300S has been flown by the world's top aerobatic pilots for 25 years. This 63" model is designed for 20cc petrol engines, but is equally suitable for electric conversion.



- Covered with Oracover
- Fibreglass cowl and spats
- CNC construction
- Pilot and detailed dash included



A-BH130 Black Horse Extra 300S ARTF.....£329.99

Wingspan:	1,600mm (62.9")
Length:	1,500mm (59")
Weight:	4.4kg (9.7lbs.)
Servos:	6 Standard (Required)
Radio System:	6 Channel (Required)
Engine:	20cc Petrol (Required)

Black Horse Thermal 3.0 ARTF

Efficiency is the name of the game in E-Soaring, and Black Horse have developed this 3 metre soarer for lightness and strength. The Thermal 3.0 is at home on the slope or flat-field, and the performance justifies its name! Supplied factory built from selected balsa and ply then expertly covered in Oracover.



Wingspan:	3,000mm (118.1")
Length:	1,600mm (63")
Weight:	2.2kg (4.8lbs)
Servos:	6 Standard (Required)
Radio System:	5 Channel (Required)
LiPo:	5~6S Li-Po (Required)

- 3m wingspan
- Covered with Oracover
- CNC construction

High performance, lightweight soarer!

A-BH131 Black Horse Thermal 3.0 ARTF.....£289.99



Black Horse Hawker Typhoon 1B ARTF

The Black Horse Typhoon 1B is modelled on the only surviving example held in the RAF Museum in Hendon near London. Built from CNC cut balsa and ply parts with additional GRP items like the huge cowl plus many plastic mouldings. It is then covered in printed vinyl in authentic colours. The Typhoon is supplied complete with the latest CNC machined air retract units and tough oleo legs. That wide track makes ground handling much easier than you would think and she copes well with grass surfaces.

- Detailed cockpit and pilot
- CNC construction
- Retracts and tough oleos included
- Scale rockets and rails included

**Very predictable
flyer with no nasty
tendencies**



Wingspan:	2,000mm (78.7")
Length:	1,600mm (63")
Weight:	7kg (15.4lbs)
Servos:	9 Standard (Required)
Radio System:	8 Channel (Required)
Engine:	30~35cc Petrol (Required)

A-BH132

Black Horse Hawker Typhoon 1B ARTF£499.99

Black Horse Viper Jet MkII ARTF

Wingspan:	1,400mm (55.1")
Length:	1,350mm (53.2")
Weight:	3.7 kg (8.2 lbs.)
Servos:	8~9 Standard (Required)
Radio System:	9 Channel (Required)
Electric Motor:	1900Kv (Required)
EDF Fan Ø:	90mm (Required)
LiPo:	6S Li-Po (Required)

The Viper Jet (originally a homebuild!) started life with a piston engine and pusher prop, but thankfully was modified for turbine to become one of the sleekest modern civilian jet aircraft. This 1:6 scale version has been designed for popular 90mm EDF units, and makes an excellent step towards R/C turbines, or for those looking for a large EDF that is suitable for flying from club fields.



A-BH133

Black Horse Viper Jet MkII ARTF£359.99

Black Horse Taylorcraft ARTF

Designed to compete with the already popular Cub the Taylorcraft has remained largely unchanged since 1936. Factory built to Black Horse's high standards and factory covered in Oracover. Many scale details, such as the opening cabin doors, functioning tail and wing struts add to the character of this remarkable model. The large cowl almost completely encloses a typical petrol engine silencer.



- Aluminium Landing Gear
- CAD design and CNC construction
- Built from quality balsa & ply
- Pre-covered in high quality Oracover

A-BH134

Black Horse Taylorcraft ARTF£299.99



Wingspan:	2,050mm (80.71")
Length:	1,530mm (60.24")
Weight:	5.9 kg (12.98 lb)
Servos:	6 (Required)
Radio System:	5 Channel (Recommended)
Petrol Engine:	22cc (Required)



Black Horse L-13 Blanik 4.2M ARTF

- All balsa/ply construction
- Covered in Oracover
- 4 piece wing, 2 piece fuselage and detachable fin/tailplane for easy transport
- Protective bags included
- Electric or glider option
- Scale cockpit

Wingspan:	4,200mm (165.35")
Length:	2,100mm (82.68")
Weight:	7.6 kg (16.72 lb.)
Servos:	5~6 Standard + 2 Mini (Required)
Radio System:	7 Channel (Required)
Electric Motor:	KMS 4130/09 (Required)
LiPo:	8S Li-Po (Required)



The L-13 Blanik was first designed in 1956 and has since become one of the most widely used gliders in the world. The full-size is known for its all metal construction and versatility in basic flight instruction, aerobatic instruction and cross-country training even achieving world distance records!

At only 7.6kg in weight this 4.2m span model has a low wing loading and consequently beautiful flying characteristics. Just in case you do not live near a slope soaring site or have a tow plane to hand the Blanik has been designed to accept an electric motor in the nose for use with 8S Li-Po packs as shown in the video below.

Despite its impressive 4.2m wingspan the Blanik disassembles easily into 9 pieces. The wings into 4 panels, the fuselage into two and the tailplane halves and fin are removable.

The scheme is great for orientation during high altitude aerobatics and is beautifully created in Oracover iron-on film.

A-BH135 Black Horse L-13 Blanik 4.2M ARTF£669.99

**Massive
4.2 metre
span!**

Black Horse Blanik Glider 2.7M ARTF

If you fancy the Blanik in a slightly smaller scale, how about this new 2.7m version?

It too is suitable for slope operation, and comes complete with a launch dolly for use during tow launches. It can also be flown with an (optional) electric motor in the nose with a suitable 3S 3250mAh Li-Po being easily accommodated. Supplied complete with model bags for storage.

Wingspan:	2,700mm (106")
Length:	1,410mm (55.5")
Weight:	2.5kg (5.5lb)
Servos:	7 Standard (Required)
Radio System:	6 Channel (Required)
Electric Motor:	O.S. 3820-960 (Optional)
LiPo:	3S 11.1v 3250mAh (Optional)
Speed Controller:	60A (Optional)

- All balsa/ply construction
- Covered in Oracover
- Takeoff buggy/dolly included
- Scale cockpit
- Protective bags included!
- Electric or glider option

A-BH138 Black Horse L-13 Blanik 2.7M ARTF.....£299.99

**2.7 metre
span!**

**Detailed
cockpit!**

**Includes
launch
trolley!**



Black Horse Spitfire IX ARTF

Wingspan:	2,000mm (78.74")
Length:	1,760mm (69.29")
Weight:	6.8 kg (14.9lb)
Servos:	9 (Required)
Radio System:	7 Channel (Required)
Petrol Engine:	33cc (Recommended)

The unmistakable lines of the MK IX Spitfire - originally designed to counter the increasing threat of German Focke Wulf 190s during 1942 - have been skillfully captured by Black Horse in this large scale model. Factory assembled using CNC machined balsa and ply components and then superbly covered in printed film. Supplied complete with air up/down retracts and oleos, the model is designed for 33cc petrol engines and radio with a minimum of 7 channels and high torque servos.

A-BH136 Black Horse Spitfire IX ARTF.....£499.99

Classic scale warbird!



Black Horse BEDE BD-5J (90mm EDF) ARTF

Made famous by the James Bond film Octopussy, the BD-5J is one of the smallest jet aircraft in the world. Supplied as a kit, the full-size had an impressive performance (300mph) and there are an estimated 150 flying today.

Faithfully re-created by Black Horse this BD-5J is constructed from balsa and ply using clever CNC design to an amazingly accurate level and makes no compromise to ease production. Supplied with high quality mechanical trike retract units and suitable oleos.

The DB-5J is designed to suit 90mm electric ducted fan units and 6S battery setups.

- **Mechanical retracts, oleos and wheels included**
- **Detailed cockpit and pilot**
- **Covered with high quality Oracover film**
- **Balsa/Ply construction using advanced CNC techniques**

A-BH139 Black Horse BD-5J EP ARTF.....£339.99



Wingspan:	1,450mm (57")
Length:	1,140mm (44")
Weight:	3.3kgs (7lbs.)
Servos:	7 (+3 for Retracts) (Required)
Radio System:	5 Channel (Required)
Electric Motor:	3553~1750kv (1500W) (Required)
EDF Diameter:	90mm (Required)
ESC:	60A (Required)
LiPo:	6S 22.2v 5500mAh (Required)



Black Horse L-39 Albatros (90mm EDF) ARTF

The L-39 is the most widely used jet trainer in the world and has served with over 30 air forces. In addition to performing basic and advanced pilot training, it has also flown combat missions in a light-attack role. The L-39 is designed to suit high-end 90mm electric ducted fan units and 8S battery setups. A good example would be a Wemotec 90mm Midi Fan Evo, HET 650-68-1500 motor, 120A HV ESC and a 8S 29.6v 6,000mAh Li-Po. It would also suit turbine conversions (no turbine information is supplied).

- **Mechanical retracts, oleos and wheels included**
- **Detailed cockpit and pilot**
- **Balsa/Ply construction using advanced CNC techniques**
- **Covered with high quality Oracover film**

A-BH141 Black Horse L-39 Albatros EP ARTF.....£379.99



Efficient fibreglass ducting!

Wingspan:	1,450mm (57")
Length:	1,860mm (73")
Weight:	4.3~4.6kgs (9~10lbs.)
Servos:	8 (+3 Retract) (Required)
Radio System:	8 Channel (Required)
Electric Motor:	HET 650-68-1500 (Required)
EDF Diameter:	90mm (Required)
ESC:	120A (Required)
LiPo:	8S 29.6v 5000~6000mAh (Required)



Black Horse He 111 EP ARTF

The Heinkel He 111 was designed in the early 1930s in violation of the Treaty of Versailles pretending it was developed as a transport aircraft. The He111 provided the Luftwaffe with a fast medium-weight bomber and was probably Germany's most well known bomber seeing action in many theatres of WW2.

Faithfully recreated by Black Horse with laser cut balsa and ply parts that have been lovingly assembled at the factory in multiple jigs by highly skilled workers. The result is a strong, yet amazingly light, airframe that helps dramatically to make flying a pleasurable experience. Just look at the quality of the workmanship to see what we mean!

The distinctive 'greenhouse' nose houses a full front cockpit that been pre-painted (including full a length pilot) keeping your work to a minimum.

The He111 is supplied capable of both electric or IC power but as a twin it is ideally suited to electric power for easy of use. There is a large hatch on the top of the fuselage for easy battery access and maintenance. This doesn't mean you can't fly it IC though as there are fuel tanks and mounts included.

- Detailed full nose cockpit and pilot
- Covered with high quality Oracover film
- Mechanical retracts included
- Fibreglass nacelles
- Balsa/Ply construction using advanced CNC techniques



A-BH143 Black Horse He 111 EP ARTF£269.99

Wingspan:	1,750mm (69")
Length:	1,280mm (50.4")
Weight:	3.2~3.5kg (7~7.7lbs.)
Servos:	7~9 (Required)
Radio System:	6 Channels (Required)
Electric Motor:	2x OMA-3805-1200 (Recommended)
IC Engine:	2x .25 2-Stroke (Required)
ESC:	2x 40A (Required)
LiPo:	2x 3S 2200mAh (Required)

Black Horse Sky Jet EP ARTF

Inspired by a classic jet trainer aircraft the Sky Jet is a simply beautiful model. Built from quality balsa and ply with the latest in CAD design and CNC construction techniques, weight is kept to a minimum.

The Sky Jet is designed to suit 90mm electric ducted fan units such as Wemotec 90mm Midi Fan Evo. That combined with an HET 650-68-2000 motor, 120A ESC and a 6S 22.2v 6,700mAh Li-Po (2x 6S 3,350mAh in parallel). It would also suit turbine conversions (no turbine information is supplied).



- Includes metal oleo main and nose struts
- Suits an electric retract set capable of 5kg weight
- Balsa & Ply construction using CAD design
- Covered in Oracover
- Detailed cockpit
- Tip tanks included

A-BH144 Black Horse Sky Jet EP ARTF£359.99

Wingspan:	1,400mm (55")
Length:	1,350mm (53")
Weight:	4,000g (8.8lbs.)
Servos:	8 Mini (Required)
Radio System:	8 Channels (Required)
Electric Motor:	HET 650-68-2000 (Required)
EDF Fan Diameter:	90mm (Required)
ESC:	120A (Required)
LiPo:	2x 6S 3,350mAh (Required)

Black Horse Avensis ARTF

Black Horse have an impressive history of sports aircraft and the Avensis builds on this experience. Designed for use with either IC or electric power from the start - both types of power source are accommodated in the kit. The canopy and forward decking is removable and this allows for easy radio installation or battery changes.

Using CAD design and CNC laser cut parts from balsa and ply parts, the Avensis is exceptionally light and strong. That light weight and generous wing area allows for benign flight characteristics at slow speed whilst being a fully aerobatic sports model when you open the throttle.

The stunning colour scheme in printed heat shrink film and helps with orientation.

- Aluminium landing gear
- Oleo nose gear strut
- All balsa/ply construction
- Covered in printed heat shrink film

A-BH137 Black Horse Avensis ARTF£144.99



Eye catching sports scheme!



Wingspan:	1,700mm (67")
Length:	1,400mm (55.1")
Weight:	3.3kg (7lbs)
Servos:	7 Standard (Required)
Radio System:	5 Channel (Required)
Engine:	.55 2-Stroke (Required)

Black Horse P-51D Mustang 33cc ARTF

Black Horse has managed to faithfully recreate this iconic fighter using the clever lightweight CNC construction techniques they have become known for.

The fuselage features a large access hatch, quality fibreglass cowl and many pre-painted vac form details such as the exhaust stack and radiator outlet. The wing and tailplane halves plug in to the fuselage on an aluminium spar and are removable for easy transportation. Black Horse paid extra attention to this cockpit on this model and used hand painted vac-form components to reproduce a very detailed cockpit area.

Wingspan:	2,050mm (80.7")
Length:	1,840mm (72")
Weight:	6.8kg (15lbs)
Engine:	O.S. GT33cc (Recommended)
Radio System:	7 Channel (Required)
Servos:	9 Standard (Required)

A-BH140 Black Horse P-51D Mustang 33cc ARTF£549.99



- Air retracts, oleos and wheels included
- Balsa/Ply construction using advanced CNC techniques
- Covered with high quality Oracover film
- Detailed cockpit and pilot
- Drop tanks Included



Joysway Eaglet Seaplane Brushed RTF 2.4GHz

The Joysway Eaglet is designed as the perfect first float plane. Weighing in at only 145g and with a compact size (620mm wingspan) it is especially suited to smaller flying sites. The EPO construction gives a nice smooth surface finish whilst remaining tough and lightweight.

Assembly takes minimal time thanks to the pre-installed brushed motor, 5A ESC, 2S 7.4v 400mAh Li-Po battery, 3x 2.5g micro servos. This Ready-To-Fly configuration also includes a Joysway 2.4GHz transmitter and receiver.

Wingspan:	620mm (29.5")
Length:	538mm (21.2")
Weight:	145g (5.1oz)
Servos:	3x 2.5g (Included)
Radio System:	4 Channel 2.4GHz (Included)
Electric Motor:	180 Brushed (Included)
LiPo:	2S 7.4v 400mAh (Included)
ESC:	5A (Included)



Perfect first float plane!

A-JS-6301 Eaglet Seaplane Brushed RTF 2.4GHz.....£84.99



Joysway Smart-K Brushed 2.4GHz RTF

The Joysway Smart-K is designed as a great introduction to R/C flight or a cheap sport aircraft to keep in the back of the car. Made to be lightweight and compact in size (750mm wingspan) it is especially suited to smaller flying sites. The EPO construction gives a nice smooth surface finish whilst remaining tough and lightweight.

Assembly takes minimal time thanks to the pre-installed electric motor, ESC, 2S 7.4v 250mAh Li-Po battery and 2x 2.5g micro servos. This Ready-To-Fly configuration also includes a Joysway 2.4GHz transmitter and receiver.

Wingspan:	750mm (29.5")
Length:	550mm (21.6")
Servos:	2x 2.5g (Included)
Radio System:	3 Channel 2.4GHz (Included)
Electric Motor:	180 Brushed (Included)
LiPo:	2S 7.4v 250mAh (Included)
ESC:	5A (Included)

Joysway RC hobby world

- Tough EPO Foam
- Spare Propeller
- Simple to Fly

A-JS-6106 Smart-K Brushed RTF 2.4GHz.....£71.99



Perfect introduction to R/C flight!

Joysway Smart-K Brushless 2.4GHz RTF

Take the Smart-K and increase the power and performance with a brushless motor package included! This version comes complete with a 2211 brushless motor, 8A brushless ESC and 400mAh 2S Li-Po battery.

Just like the brushed version, assembly is very quick as the tough EPO airframe comes with the motor, ESC and servos factory fitted.

Supplied complete with Joyway's popular, futuristically styled transmitter, receiver, charger and spare propeller. Perfect for beginners and experts alike and ideally suited to smaller flying fields.

Wingspan:	750mm (29.5")
Length:	550mm (21.6")
Servos:	2x 2.5g (Included)
Radio System:	3 Channel 2.4GHz (Included)
Electric Motor:	2211 Brushless (Included)
LiPo:	2S 7.4v 400mAh (Included)
ESC:	8A (Included)

- Brushless Power!
- Tough EPO Foam
- Spare Propeller

A-JS-6107 Smart-K Brushless RTF 2.4GHz.....£104.99



Joysway RC hobby world

Joysway Eaglet Seaplane Brushless RTF 2.4GHz

Joysway have taken the superb Eaglet Brushed to the next performance level and added brushless power! This version is supplied complete with brushless pusher motor and matching 8A brushless ESC.

Wingspan:	620mm (24.4")
Length:	538mm (21.2")
Weight:	145g (5.1oz)
Servos:	3x 2.5g (Included)
Radio System:	4 Channel 2.4GHz (Included)
Electric Motor:	Brushless (Included)
LiPo:	2S 7.4v 400mAh (Included)
ESC:	8A (Included)



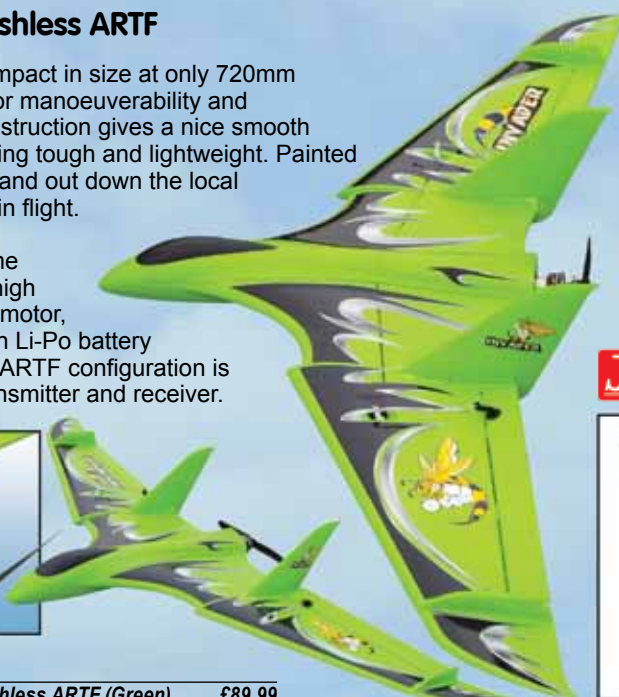
Brushless power!

A-JS-6303 Eaglet Seaplane Brushless RTF 2.4GHz£109.99

Joysway Invader Brushless ARTF

The Joysway Invader is compact in size at only 720mm wingspan but is designed for manoeuvrability and performance! The EPO construction gives a nice smooth surface finish whilst remaining tough and lightweight. Painted in bright green its sure to stand out down the local field and help with visibility in flight.

Assembly takes minimal time thanks to the pre-installed high power brushless outrunner motor, 12A ESC, 3S 11.1v 350mAh Li-Po battery and two micro servos. This ARTF configuration is ready for your choice of transmitter and receiver.



Wingspan:	720mm (28.3")
Length:	347mm (13.7")
Weight:	135g (4.8oz)
Servos:	2 Micro (Included)
Radio System:	4 Channel (Required)
Electric Motor:	Brushless Outrunner (Included)
LiPo:	3S 11.1v 350mAh (Included)
ESC:	12 Amp Brushless (Included)

High performance brushless power!

Joysway

- Brushless Power
- Tough EPO Foam
- Spare Propeller



A-JS-6105 Invader Brushless ARTF (Green).....£89.99

Joysway Huntsman 1100 RTF 2.4GHz



Large, 1.1 metre wingspan!

The Huntsman, like its smaller brother the Smart-K, is an excellent introduction to flying as a basic trainer or even as a park-flyer for an experienced pilot. Unlike other similar models, this one includes ailerons, making it capable of mild aerobatics and therefore suitable for progression to a more manoeuvrable aircraft later on. The ingenious tail mounting system reduces impact damage by detaching in a crash. This combined with the rear-mounted prop makes the Huntsman very resilient to crash damage and thereby ensuring flying fun!

Wingspan:	1,100mm (43")
Length:	730mm (28.7")
Weight:	400g (14oz)
Servos:	Micro (Included)
Radio System:	4 Channel 2.4GHz (Included)
Electric Motor:	2812 Brushless (Included)
LiPo:	2S 7.4v 1100mAh (Included)
ESC:	12A (Included)

A-JS-6108 Huntsman 1100 RTF 2.4G.....£129.99

Joysway

Joysway Free Flight Gliders RTF

Simple to assemble, tough free flight EPO foam gliders. No glue or tools are necessary thanks to the simple slot together foam parts that lock into position. Both are moulded from EPO foam - a tough material with a smooth surface finish with great durability allowing for those less than perfect landings!

Ideal for younger modellers to have their first exciting launches of a free flight model... but who could resist converting one to R/C with some inexpensive micro gear?!

- EPO Foam
- No glue required
- No tools required

A-JS-6901	Smooth FF Glider RTF	£8.99
A-JS-6902	Catch me FF Glider RTF	£8.99

Joysway Smooth RTF

Wingspan:	470mm (18.5")
Length:	470mm (18.5")
Weight:	49g (1.7oz)

Joysway Catch Me RTF

Incredible performance with a pocket money budget!

Wingspan:	485mm (19")
Length:	480mm (19")
Weight:	36g (1.2oz)

Joysway RC hobby world

Ripmax Dagger EP ARTF

Developed with one thing in mind... performance! Small enough to transport simply, this one-piece delta is the most exciting thing we've flown this year.

The wings, fuselage and fins are supplied pre-covered in this dramatic film scheme, ready for rapid final assembly before installation of your choice of brushless motor and three channel R/C. Designed for mini servos (we used Ripmax SD200s on the prototypes) and a choice of 3 or 4S Li-Po, the Dagger has a fantastic turn of speed, yet is almost impossible to stall. A vice-free performer, the Dagger is simple to launch with handy finger grips on the underside.

Ripmax
DAGGER

Wingspan:	850mm (34.5")
Length:	710mm (28.0")
Radio System:	3 Channel with Delta Mixing (Required)
Electric Motor:	Brushless (Required)
LiPo:	3S-4S 2200mAh (Required)
ESC:	40A-50A (Required)

Quality metal backplate spinner included!

A-ARTF6906	Ripmax Dagger EP ARTF	£74.99
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ST Model Salto EP EDF

Another stunning innovation from ST models, this Salto aerobatic glider not only performs superbly as a foam glider in its own right, it also features a retracting EDF unit!

Inspired by the ST Model DG1000 this Salto has a retracting EDF unit pre-installed and ready to use. Using the supplied motor retraction controller, radio setup is easy and operation is even easier. When you open the throttle the first 10% on your TX the controller raises the fan opening the doors as it goes and then arms the ESC allowing you to fly as a powered glider. The second you close the throttle below the 10% mark the ESC is disarmed and the motor is retracted into the fuselage. You can also over-ride this using a 5th channel on a switch and keep the motor out for the whole flight if you choose.

Simply bind the supplied FTR receiver to a Futaba FHSS transmitter, charge and fit a 3S 11.1v 1800~2100mAh Li-Po to get going. The FTR version comes complete with a Futaba S-FHSS compatible transmitter.



The airframe itself features the clever design you expect from ST Models. Injection moulded in EPO and reinforced with carbon tube to ensure rigidity and strength. The tailplanes are held on with two screws and the wings 'Twist & Lock' to the fuselage and are retained by simple catches. Then simply connect the control wires to the horns with supplied screws. That's it, 5 screws!

Wingspan:	1,806mm (71.1")
Length:	810mm (31.8")
Weight:	880g (31.4oz)
Servos:	4 (Included)
Radio System:	4~5 Channel 2.4GHz (Required)
Electric Motor:	Brushless (Included)
LiPo:	3S 11.1v 1800~2100 (Required)
ESC:	40A Brushless (Included)
EDF Fan Diameter:	55mm 3-Blade (Included)

A-STM160	ST Model Salto EP EDF ARTF.....	£149.99
A-STM160FTR	ST Model Salto EP EDF FTR.....	£169.99



EDF!



Twist

Lock

ST Model Acrobat EP ARTF

Just one look at the massive control surfaces and you can see that the new ST Model Acrobat is capable of a serious 3D performance. And it doesn't disappoint! Knife edge loops, stable harriers and waterfalls are well within the model's capability. This is a model that will encourage you to push yourself to the limit.

Supplied with a powerful brushless motor and 50A ESC together with pre-installed 17g servos. All you need is your choice of transmitter and receiver plus a suitable 4S 2200mAh Li-Po and charger.

ST Models tough EPO construction ensures that this is a model that will last many seasons.

Wingspan:	1,230mm (48.5")
Length:	1,333mm (52.5")
Weight:	1.44Kg (50.8oz)
Servos:	4x 17g (Included)
Radio System:	4 Channel (Required)
Electric Motor:	Brushless Outrunner (Included)
LiPo:	4S 14.8v 2200mAh (Required)
ESC:	50A (Included)

Prototype Colour Scheme Shown

A-STM170	ST Model Acrobat EP ARTF.....	£159.99
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3D capable!

ST MODEL

UDI Blackhawk 2.4GHz 3 Channel Helicopter

Two stable contra-rotating helicopters that are designed to look like the real thing with beautiful all-moulded bodies featuring many details such as panel lines, scale armaments, undercarriage and matt military paint finish. The clever contra-rotating rotor blade design allows for maximum stability and durability. With the latest 2.4GHz radio technology the Blackhawk and Apache are simple to fly using 3 channels up/down, left/right and forward/back.

Supplied ready to fly out of the box - all you need to do is fit batteries in the transmitter, charge it up using the included mains charger and you are ready to fly.

- **2.4GHz Radio**
- **Moulded scale body**
- **Spare main blades, flybar linkage and tail blade included!**
- **Easy flying characteristics**
- **5-8 minute flight times per charge!**

A-U21 Udi Blackhawk 2.4GHz 3 Channel Helicopter£49.99

UDI Apache 2.4GHz 3 Channel Helicopter

A-U10 Udi Apache 2.4GHz 3 Channel Helicopter£49.99



Length:	270mm (10.6")
Height:	129mm (5")
Weight:	131g (4.6oz)
Width:	81mm (3")
Rotor Ø:	265mm (10")
Tail Rotor Ø:	33mm (1.3")
Radio System:	3 Channel 2.4GHz (Included)
LiPo:	1S 3.7v 580mAh (Included)

UDI U9 Hummingbird 2.4GHz Helicopter

The U9 Hummingbird is designed to look just like a real civilian helicopter with a beautiful all moulded body that features panel lines, dummy exhaust, handles and a dummy fan tail. To top this off there is also a bright led light in the nose to show the way in darker rooms of the house. Like the military helicopters above, the contra-rotating rotor blade design allows for a tough model with maximum stability. With the latest 2.4GHz radio technology the Hummingbird is very simple to fly using 3 channels for up/down, left/right and forward/back.

Supplied ready to fly out of the box all you need to do is add batteries to the transmitter, charge it up using the included mains charger and you are ready to fly.

- **2.4GHz Radio**
 - **Moulded scale body**
 - **Spare main blades, flybar linkage and tail blade included!**
 - **Easy flying characteristics**
 - **5-8 minute flight times per charge!**
- Requires: 4x 'AA' Batteries for the transmitter**

A-U9 Udi Hummingbird 2.4GHz 3 Channel Helicopter£49.99



Length:	275mm (10.8")
Height:	146mm (5.7")
Weight:	127g (4.4oz)
Width:	65mm (2.5")
Rotor Ø:	265mm (10")
Tail Rotor Ø:	33mm (1.3")
Radio System:	3 Channel 2.4GHz (Included)
LiPo:	1S 3.7v 580mAh (Included)

A great introduction to helicopters!

UDI Military 2.4GHz Mini Helicopter

Two mini contra-rotating helicopters with terrific scale appearance bodies. The Military version features a matt-finish scheme with panel lines, dummy exhausts and a soldier hanging out the side! The civilian Hummingbird features a realistic moulded body with dummy fan tail and a bright LED in the nose that can be controlled from the transmitter and switched on and off in flight. Both models have the super-stable contra-rotating rotor blade design that is tough and offers maximum stability. The latest 2.4GHz radio technology is used on both the Military and Hummingbird so they are simple to fly using three channels.



UDI R/C

**Perfect
for flying
indoors!**



Length:	230mm (9")
Height:	100mm (4")
Weight:	47g (1.6oz)
Width:	46mm (1.8")
Rotor Ø:	184mm (7.2")
Tail Rotor Ø:	33mm (1.3")
Radio System:	3 Channel 2.4GHz (Included)
LiPo:	1S 3.7v 160mAh (Included)

A-U811W Udi Military 2.4GHz Mini Helicopter.....£29.99

UDI Hummingbird Mini 2.4GHz Helicopter

Supplied ready to fly out of the box all you need to do is add batteries to the transmitter, charge it up using the included charger and you are ready to fly.

- **Working LED light from the transmitter**
 - **2.4GHz Radio Included!**
 - **Tough, high quality injection moulded plastic body**
 - **Gyro stabilised**
 - **USB charger (charge from transmitter or PC)**
 - **Spare blades included**
- Just requires: 6x 'AA' batteries for the transmitter.**



Length:	230mm (9")
Height:	101mm (4")
Weight:	44g (1.5oz)
Width:	50mm (2")
Rotor Ø:	184mm (7.2")
Tail Rotor Ø:	33mm (1.3")
Radio System:	3 Channel 2.4GHz (Included)
LiPo:	1S 3.7v 160mAh (Included)

A-U812W Udi Hummingbird Mini 2.4GHz Helicopter.....£29.99

UDI U820 2.4GHz Mini Helicopter

The U820 is a great micro helicopter for a bit of living room flying. With the latest 2.4GHz radio technology the U820 is simple to fly using 3 channels up/down, left/right and forward/back. With a strong metal frame, tail boom, skids and supports the U820 is also resilient to knocks and crashes.

Supplied ready to fly out of the box all you need to do is add batteries to the transmitter, charge it up using the included USB charger and you are ready to fly.



- **Metal side frames**
- **2.4GHz Radio**
- **Easy flying characteristics**
- **5-8 minute flight times per charge!**
- **Available in either red or blue**
- **Spare main blades, flybar linkage and tail blade included!**

Requires: 6x 'AA' Batteries for the transmitter



Length:	195mm (7.7")
Height:	107mm (4.2")
Weight:	45g (1.5oz)
Width:	42mm (2")
Radio System:	3 Channel 2.4GHz (Included)
LiPo:	1S 3.7v 160mAh (Included)

A-U820 Udi U820 2.4GHz Mini Helicopter.....£26.99

UDI 6 Axis X-Large Drone with Camera

**Includes
on-board
camera!**



Take the popular Drone format and go large... very large! It's an imposing sight in the air, but no more tricky to fly and very stable in the air. The perfect platform for the included on-board digital camera that can record stills and movie footage. A 6 axis gyro keeps everything under control and there's even a 360° flip function!
Supplied complete with a very high quality Mode 1 or Mode 2 switchable 2.4GHz transmitter, flight Li-Po, AC mains charger and spare propellers.

- **Huge size drone - impressive performance**
- **6 axis gyro (3 axis gyro + 3 axis accelerometer)**
- **Tough moulded foam blade protecting frame**
- **High quality 2.4GHZ transmitter included**
- **Includes onboard digital camera**

A-U829A Udi 6 Axis X-Large Drone with Camera£89.99



Width:	520mm (20.5")
Length:	520mm (20.5")
Rotor Ø:	189mm (7.4")
Radio System:	4 Channel 2.4GHz (Included)
LiPo & Charger:	2S 7.4v 800mAh & AC Charger (Included)

UDI 6 Axis X-Large Quad with Camera

- **Huge size quad - impressive performance**
- **6 axis gyro (3 axis gyro + 3 axis accelerometer)**
- **High quality 2.4GHz transmitter included**
- **Includes onboard digital camera**

**Includes
on-board
camera!**



With its futuristic body, menacing LED 'eyes' this extra large Quad has an amazing performance and its 6 axis gyro offers unbelievably stable flight. Supplied complete with on-board camera that is capable of shooting stills and video. The popular 360° flip function has been retained for spectacular video footage! The high quality multi-mode transmitter comes as standard, together with Li-Po, mains charger and a full set of spare blades.

A-U819A Udi 6 Axis X-Large Quad with Camera£84.99

Width:	440mm (17.3")
Length:	440mm (17.3")
Rotor Ø:	189mm (7.4")
Radio System:	4 Channel 2.4GHz (Included)
LiPo & Charger:	2S 7.4v 800mAh & AC Charger (Included)



UDI 6 Axis 4 Channel Drone Quad

The UDI Drone Quad is the big brother to our immensely popular Micro-UFO and features the same excellent 2.4GHz transmitter. With clever 6 axis gyro (3 gyro + 3 accelerometer) stabilisation built-in to the on-board electronic system the quad is held superbly in the hover and gives smooth forward flight. The large rotors offer instant changes of direction and manoeuvrability. This tough moulded plastic surround around the propellers helps to reduce damage to the quad and whatever it might hit during use, whilst also aiding in orientation and looking cool in stealth black. The included Li-Po gives flight times of around 7 minutes.



Width:	425mm (16.7")
Length:	425mm (16.7")
Rotor Ø:	135mm (5.3")
Radio System:	4 Channel 2.4GHz (Included)
LiPo & Charger:	1S 3.7v 350mAh (Included)



- 7 minute flight times
- 6 axis gyro (3 axis gyro + 3 axis accelerometer)
- Tough moulded blade protecting frame

A-U817A Udi 6 Axis Drone Quad£59.99

UDI 6 Axis Drone Quad with Camera

Identical to A-U817A above but supplied complete with on-board camera that is capable of taking high quality stills and video footage.

Width:	425mm (16.7")
Length:	425mm (16.7")
Rotor Ø:	135mm (5.3")
Radio System:	4 Channel 2.4GHz (Included)
LiPo & Charger:	1S 3.7v 350mAh (Included)



On-board camera!



A-U818A Udi 6 Axis Drone Quad with/camera£74.99

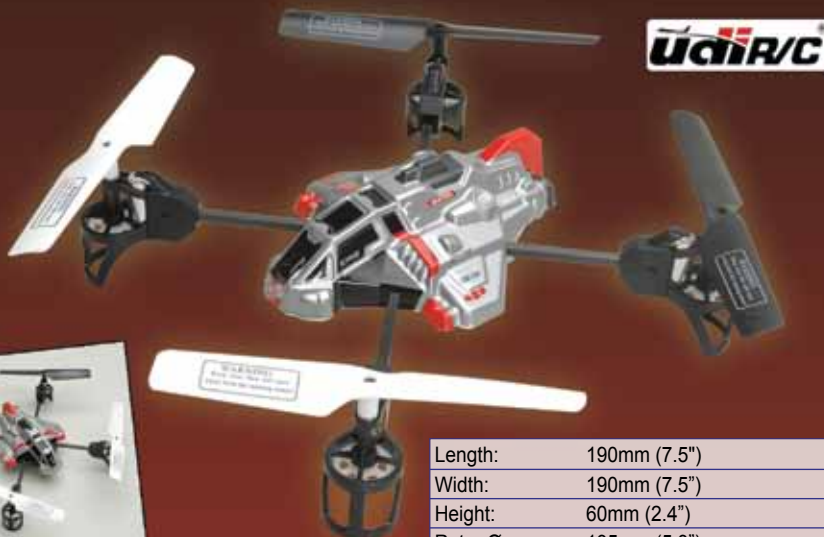
UDI UFO 3 Axis 4 Channel Quad

This Sci-Fi inspired quadcopter features 6-axis stabilisation for amazing flight performance. Using an ergonomic game pad style 2.4GHz transmitter this quad is great for both beginner and advanced flyers thanks to its two flight mode functions. There is even a button to turn the light on/off and flip 360 degrees in flight!

The 6-axis stabilisation holds the quad superbly in the hover and the large, high torque motors offer instant changes of direction and manoeuvrability.

The included 350mAh Li-Po gives flight times of around 7 minutes per charge.

UFO quad!



Length:	190mm (7.5")
Width:	190mm (7.5")
Height:	60mm (2.4")
Rotor Ø:	135mm (5.3")
Radio System:	4 Channel 2.4GHz (Included)
Electric Motor:	180 Brushed (Included)
LiPo:	1S 3.7v 350mAh (Included)

A-U817W Udi UFO 3 Axis 4 Channel Quad£39.99

UDI U830 Gravity Induction 6-Axis UFO

HAND SENSOR
6-Axis GYRO
4 CH 360° ROLLING
RC UFO



'Gravity Induction' gyro controller

6-Axis gyro

The U820 features a revolution in radio control! Power and yaw are controlled using the joystick on the top of the controller but the clever bit is that the roll and pitch of the quadcopter is linked to the angle you hold the controller! This allows for single-handed control and a completely new way to fly!

- 'Gravity Induction' gyro controller
- 6 axis gyro (3 gyro + 3 accelerometer)
- Tough moulded blade protectors
- Weighs only 36g
- Compact Size
- Spare Blades Included

Requires: 3x 'AAA' batteries for the controller.

A-U830 Udi U830 Gravity Induction 6 Axis Quad.....£34.99

Aircraft, Quads & Helicopters

On-board camera!

UDI D1 Dual-Rotor Helicopter

SHARP

6 Channel 2.4GHz



UDI's first venture into large helicopters, the D1 uses its size and a contra-rotating design for impressive stability. Bigger is better when it comes to flying outdoors as the wind affects larger helicopters much less. This makes the D1 perfect for novice pilots who want to learn outdoors. Using UDI's latest 2.4GHz transmitter design allows you to fly using Mode 1, 2, 3 or 4 just by turning a dial! The factory-installed onboard camera can be remotely operated by the transmitter allowing you to take photos and video footage while you fly.

- Onboard still & video camera
- Large size is ideal for outdoor use
- Adjustable rates
- Spare blades included

Length:	830mm (32.7")
Width:	120mm (4.7")
Height:	300mm (11.8")
Rotor Ø:	530mm (20.9")
Radio System:	6 Channel 2.4GHz (Included)
Electric Motor:	2x Brushed (Included)
LiPo:	2S 7.4v 1500mAh (Included)



A-UD1 Udi D1 Dual Rotor Helicopter.....£89.99

Ripmax Main & Tail Blades: Carbon/GRP/Plastic

A wide range of high quality main and tail blades in a selection of materials including carbon fibre, GRP and plastic to suit a variety of popular helicopters.

Ripmax

Part No.	Name	Price
A-RMXCB110	Carbon Main Blades 110mm	£10.99
A-RMXCB140	Carbon Main Blades 140mm	£13.99
A-RMXCB325F	Carbon Main Blades 325mm (Including Flybarless)	£16.99

Part No.	Name	Price
A-RMXGB110	GRP Main Blades 110mm	£9.50
A-RMXGB140	GRP Main Blades 140mm	£9.99
A-RMXGB325F	GRP Main Blades 325mm (Including Flybarless)	£9.25
A-RMXGB360F	GRP Main Blades 360mm (Including Flybarless)	£10.99
A-RMXGB430F	GRP Main Blades 430mm (Including Flybarless)	£18.99
A-RMXGB550F	GRP Main Blades 550mm (Including Flybarless)	£23.99
A-RMXGB600F	GRP Main Blades 600mm (Including Flybarless)	£25.99
A-RMXGB690F	GRP Main Blades 690mm (Including Flybarless)	£49.99

Part No.	Name	Price
A-RMXPB110G	Plastic Main Blades 110mm - Green	£3.99
A-RMXPB110O	Plastic Main Blades 110mm - Orange	£3.99
A-RMXPB110W	Plastic Main Blades 110mm - White	£3.99
A-RMXPB110Y	Plastic Main Blades 110mm - Yellow	£3.99
A-RMXPB140G	Plastic Main Blades 140mm - Green	£4.50
A-RMXPB140O	Plastic Main Blades 140mm - Orange	£4.50
A-RMXPB140W	Plastic Main Blades 140mm - White	£4.50
A-RMXPB140Y	Plastic Main Blades 140mm - Yellow	£4.50

Part No.	Name	Price
A-RMXPTB035	Plastic Tail Blades 35mm - White	£2.50
A-RMXPTB035B	Plastic Tail Blades 35mm - Black	£2.50
A-RMXPTB035G	Plastic Tail Blades 35mm - Green	£2.50
A-RMXPTB035O	Plastic Tail Blades 35mm - Orange	£2.50
A-RMXPTB035Y	Plastic Tail Blades 35mm - Yellow	£2.50

ZT Model Sky Cub

Sky Cub

Ready to fly!



Supplied pre-built in the box with the radio installed and ready to fly all you have to do is charge the flight battery and install 4x 'AA' batteries in the transmitter. The high wing design makes it very stable in flight and the light weight means increased manoeuvrability. Thanks to the light wing loading, the Sky Cub makes a brilliant sport model or trainer when flown indoors at a suitable sports hall.

- Stable high wing design
- Lightweight moulded foam
- Adjustable control throws
- Weighs only 47g

2.4GHz radio included

Wingspan:	540mm (21.2")
Length:	380mm (14.9")
Weight:	47g (1.65oz)
Radio System:	4 Channel 2.4GHz (Included)
Electric Motor:	Brushed (Included)
LiPo:	1S 3.7v (Included)

A-ZT04701	Sky Cub White 2.4GHz RTF	£69.99
A-ZT04702	Sky Cub Red 2.4GHz RTF	£69.99

ZT Model Aviator Rubber Band Powered Models



Inspired by the full-size, this delightful range of rubber powered aircraft is ideal for the younger, first-time modeller. Each model not only looks the part but flies great too. Construction is limited to simply assembling the strong balsa fuselage and foam wing using tough moulded plastic components. The efficient propeller and powerful rubber band drive are designed to give a great flight every time.

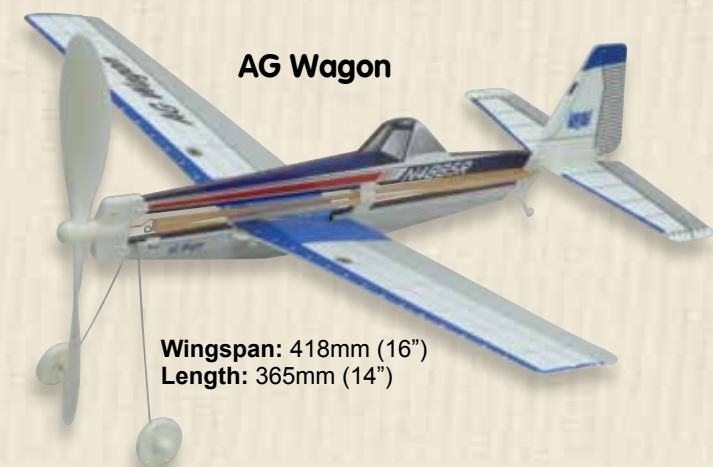
With the Beaver designed to take off and land on water and each of the others featuring a durable wire undercarriage, these models are just as practical as they are irresistible.

No glue or tools required!



Starlet

Wingspan: 450mm (18")
Length: 370mm (14.5")



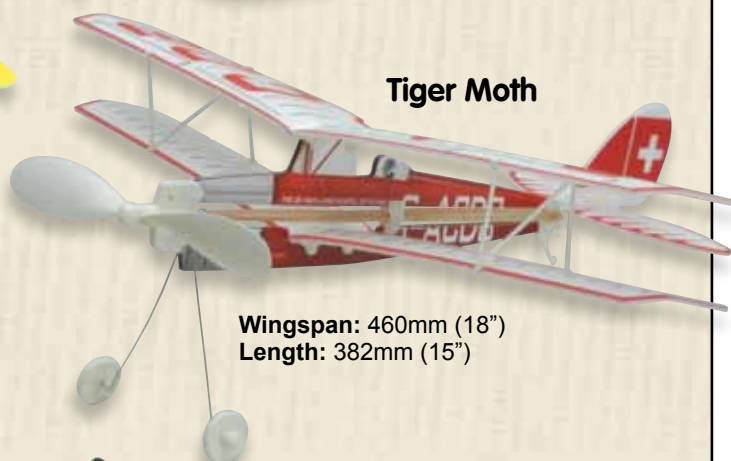
AG Wagon

Wingspan: 418mm (16")
Length: 365mm (14")



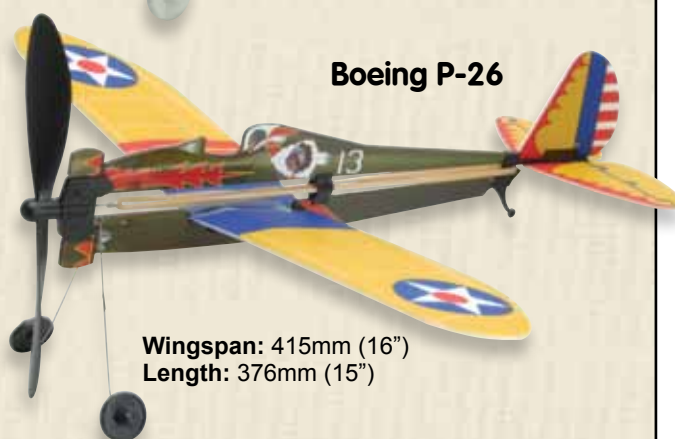
Beaver

Wingspan: 457mm (18")
Length: 360mm (14")



Tiger Moth

Wingspan: 460mm (18")
Length: 382mm (15")



Boeing P-26

Wingspan: 415mm (16")
Length: 376mm (15")

A-ZT05101	Aviator Starlet Rubber Powered.....	£5.99
A-ZT05201	Aviator-Wagon Rubber Powered.....	£5.99
A-ZT05301	Aviator Boeing P26 Rubber Power.....	£5.99
A-ZT05401	Aviator Tiger Moth Rubber Power.....	£6.99
A-ZT05501	Aviator Beaver Rubber Powered.....	£6.99

Joysway Explorer Yacht V3 ARTR

A perfect first yacht the Joysway Explorer has great performance and is quick to assemble and get sailing. Factory finished from quality durable components including a fibreglass hull and carbon masts & booms. A quality sail winch servo included and pre-fitted along with a rudder servo, receiver and slim 2.4GHz transmitter.

The Explorer yacht makes a perfect choice as a first model. A sophisticated hull design and built-in rig 'tuning' make it excel in a wide range of wind conditions. It makes a great choice for a group of experienced skippers and novices alike.

- Zinc Alloy Ballast
- Aluminium Keel
- Carbon Fibre Mast and Booms
- Plywood Boat Stand

**Quality
2.4GHz
radio
Included!**

**Incredible
value
yacht!**



Length:	655mm (25.8")
Beam:	148mm (5.8")
Mast Height:	915mm (36")
Overall Height:	1,338mm (52.7")
Radio:	2 Channel 2.4GHz (Included)
Servos:	2 (Rudder & Winch) (Included)
Hull Material:	Fibreglass

B-JS-9903 Explorer Yacht V3 RTR 2.4GHz Mode 2.....£159.99

Joysway

Joysway Offshore Infinity Brushed

Electric Motor:	550 Class Brushed (Included)
Speed:	40kph (25mph)
ESC:	30A Water Cooled (Included)
LiPo:	3S 11.1v 2200mAh 25C (Recommended)

Hull Length:	550mm (21.7")
Hull Material:	Fibreglass
Length:	610mm (24")
Servos:	1x 9g Metal Geared (Included)
Radio System:	2 Channel 2.4GHz (Included)
Beam:	165mm (6.5")

25mph!

**Self-righting
hull design**

Electric Motor:	B2850 Water Cooled Brushless (Included)
Speed:	65kph (40mph)
ESC:	60A Water Cooled (Included)
LiPo:	3S 11.1v 2200mAh 25C (Recommended)

- Self-righting hull design
- Two blade nylon propeller
- CNC aluminium alloy rudder
- Stainless steel turn fin

B-JS-9321 Joysway Offshore Infinity Brushed.....£144.99
B-JS-9305 Joysway Offshore Infinity Brushless.....£179.99

40mph!

Joysway Offshore Infinity Brushless

With its sleek, self-righting fibreglass hull designed, the Offshore Infinity is a quite a performer! Supplied complete with quality 2.4GHz radio and factory installed, metal geared 9g steering available the Offshore is available in two configurations - brushed or brushless. The brushed version has a 550 class motor and 30A water cooled ESC, whereas the brushless has a B2850 motor plus 60A ESC. The brushless Offshore Infinity also has number of additional stainless fittings such as the CNC turn rudder and trim tab. Both require a standard 3S 2200mAh Li-Po and suitable charger to complete.



Joysway Blue Mania Catamaran

All the performance and quality of the Offshore Infinity but with a catamaran hull. Still offering the blistering 65km per hour performance in brushless guise and an impressive 40km per hour in brushed format, these two high quality fibreglass hulled craft come complete with motor, ESC, metal geared 9g steering servo and quality 2.4GHz radio.

- Two blade nylon propeller
- CNC aluminium alloy rudder

Fibreglass catamaran hull

Electric Motor:	550 Class Brushed (Included)
Speed:	40kph (25mph)
ESC:	30A Water Cooled (Included)
LiPo:	3S 11.1v 2200mAh 25C (Recommended)



High quality 2.4GHz radio included

Hull Length:	500mm (19.7")
Hull Material:	Fibreglass
Length:	560mm (22")
Servos:	1x 9g Metal Geared (Included)
Radio System:	2 Channel 2.4GHz (Included)
Beam:	195mm (7.7")

Blue Mania - Brushed

Joysway RC hobby world



Blue Mania - Brushless

B-JS-9322	Joysway Blue Mania Brushed.....	£144.99
B-JS-9306	Joysway Blue Mania Brushless.....	£179.99

Electric Motor:	B2850 Water Cooled Brushless (Included)
Speed:	65kph (40mph)
ESC:	60A Water Cooled (Included)
LiPo:	3S 11.1v 2200mAh 25C (Recommended)

Ripmax Micro Stunt Car RTR

This Ripmax Micro Stunt Car is perfect for indoor use. With the built in moving chassis suspension system this car is more than up to use on home made jumps and race tracks. The battery is built in and can be charged from the transmitter with ease.

The 2.4GHz transmitter has 2 settings. Like a traditional R/C car you can use the throttle and steering normally but when you enter scale mode it has optional digital gears. Gears 1~5 are indicated by LED lights on the transmitter and each limit the power as you use them. Set it in first gear and get used to the controls then 'let it rip' as your power increases when you go up the gears!

- Scale speed setting with digital gears
- 2.4GHz radio control
- Moving chassis suspension system
- Available in blue, red or black
- Includes 20 course cones

Length:	120mm (4.7")
Height:	49mm (1.9")
Weight:	60g (2.1oz)
Width:	83mm (3.3")
Wheelbase:	75mm (3")
Motor:	Brushed (Included)
Radio:	2 Channel 2.4GHz (Included)
Battery:	In-built (Included)

Requires: 4x 'AA' Batteries for the transmitter

C-RMX0040	Ripmax Micro Stunt Car EP RTR.....	£27.99
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Ripmax



DHK Hunter Short Course EP Truck 4WD RTR

Short Course Trucks are one of the most popular and dominant classes in R/C racing. So, the DHK line just wouldn't be complete without having a high-performance short course truck that offers a great combination of technology and fun. The new DHK Hunter is a rugged 4WD truck and is ready for whatever challenges you throw at it. The Hunter is comfortable on just about any terrain from dirt to pavement.

The Hunter's versatility and toughness all come from its design. Using an ultra-stiff double-deck chassis and combining that with a mid-motor design gives this DHK SCT amazing balance, responsive steering, and a degree of suspension performance that will impress both beginners and the most seasoned racer. With four-wheel-drive, the Hunter transfers some incredible power and torque to the ground. You will achieve awesome traction from a suspension and transmission that include over-sized threaded shocks, universal drive axles, adjustable turnbuckles, adjustable differentials and many other features normally found on only the most expensive trucks on the market. You have the ability to tune and customize your Hunter to your driving style and preferences.

The DHK Hunter SCT 1/10 4WD Short Course Truck really is a complete package that's ready to run with battery, charger, and a high-performance 2.4GHz radio system fully installed. At a price that's about what most pay for a good 1/18 scale truck, you truly get the most value when you buy DHK.

- 4WD mid-motor chassis layout
- Brushed motor and ESC combo
- Adjustable turnbuckles
- Large impact absorbing front and rear bumpers
- Factory-built with fully proportional 2.4GHz radio control
- 4 Oil-filled adjustable shock absorbers
- High capacity Ni-MH battery pack and charger
- Combined receiver and electronic speed control
- Independent and adjustable suspension
- Heavy-duty suspension links
- Powerful 6kg steering servo
- Tough metal chassis

**Quality
2.4GHz radio
included!!**



Length:	572mm (22.5")
Height:	153mm (6")
Weight:	2.7g (6lb)
Width:	306mm (12")
Wheelbase:	330mm (13")
Motor:	Brushed (Included)
Radio:	2 Channel 2.4GHz (Included)
Battery:	7.2V 1800mAh NiMH (Included)

**1/8 scale
4WD short
course**

C-DHK8135

DHK Hunter EP 4WD RTR.....£149.99

DHK Hunter Short Course Brushless Truck 4WD RTR

The DHK Hunter on steroids! Leave the others spluttering in your dust as you throw down brushless power to smoke the competition. Identical specification to the Hunter Short Course EP Truck but with high performance brushless motor, ESC and Li-Po battery powerset included.

- 4WD mid-motor chassis layout
- Brushless motor and 45A ESC
- Adjustable turnbuckles
- Large impact absorbing front and rear bumpers
- Factory-built with fully proportional 2.4GHz radio Control
- 4 oil-filled adjustable shock absorbers
- High capacity Li-Po Battery Pack
- Independent and adjustable suspension
- Heavy-duty suspension links
- Powerful 6kg steering servo
- Tough metal chassis

**Quality
2.4GHz
transmitter
included!**

C-DHK8331 DHK Hunter BL EP 4WD RTR.....£249.99



**RTR
brushless
power!**



Length:	572mm (22.5")
Height:	153mm (6")
Weight:	2.7g (6lb)
Width:	306mm (12")
Wheelbase:	330mm (13")
Motor:	3970kV Brushless (Included)
ESC:	45A (Included)
Radio:	2 Channel 2.4GHz (Included)
Battery:	7.4V 20C 2300mAh LiPo (Included)



Ripmax 1/18 Dingo Truggy RTR

- Powerful motor for amazing performance
- 4 Oil-filled adjustable shock absorbers
- High capacity Ni-MH battery pack and charger
- Combined receiver and electronic speed controller
- Independent and adjustable suspension
- Powerful 9g steering servo
- Tough metal chassis
- Heavy-duty suspension links
- Factory-built with 2.4GHz R/C

Ripmax

Length:	263mm (10.4")
Height:	100mm (4")
Weight:	640g (1.4lb)
Width:	190mm (7.5")
Wheelbase:	170mm (6.7")
Motor:	Brushed (Included)
Radio:	2 Channel 2.4GHz (Included)
Battery:	7.2v 1300mAh NiMH (Included)

They say that good things come in small packages and the Ripmax Dingo is certainly a case in point. At 1/18th scale size, the Dingo is capable of being used both outdoors in the rough and indoors on carpets. Don't be fooled by the compact size, the Dingo packs quite a punch, thanks to a powerful 370 class, brushed motor and 6 cell 1300mAh NiMH battery.

Fully ballraced!

Ready to run!

Dingo

Getting that power down onto the surface comes courtesy of the rugged 4 wheel drive system and great suspension, aligned to those minipin style tyres. You even have differentials in the front and rear gearboxes like the big 1/8th racing trucks. The four shock units are oil dampened just like the bigger cars too! The electronic unit incorporates the ESC (electronic speed controller) and 2.4GHz receiver into one compact unit with the steering servo strapped to the underside, making a very compact installation. The steering servo incorporates a real 'servo saver' to protect the internal servo gears from damage.

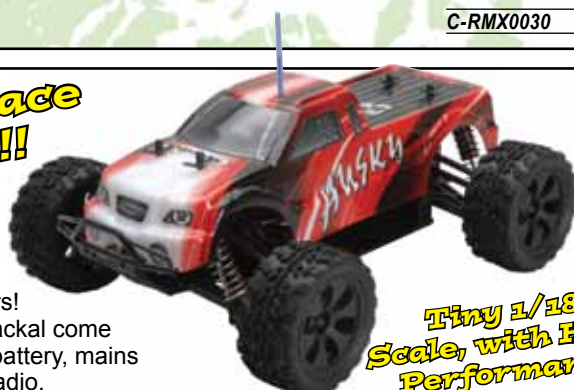
On the other side of the chassis (for balance) is a 6 cell 1300mAh NiMH battery that delivers hard and reliable power to the durable 370 size brushed motor. Just to add that final quality touch, the chassis is made from thick aluminium sheet with 'carbon fibre' effect underside. This strong backbone is the platform that everything else bolts too and is designed to take some serious 'knocks' when in use.

All the wheels and gearboxes are ball raced for a long life and the suspension arms and drive shafts are designed to absorb shocks from impacts before finally failing. These sacrificial parts are very cheap to replace, getting you back in action very quickly. In fact, you'd be amazed how cheap all the parts are to keep your Dingo in tip-top condition.

C-RMX0030 Ripmax Dingo 1/18th Truggy EP£64.99

Perfect race partners!!

For maximum fun, race the Dingo against one of these great 1/18th performers! Both the Husky and Jackal come complete with Ni-MH battery, mains charger and 2.4GHz radio.



Tiny 1/18 Scale, with Huge Performance



C-RMX0020 Ripmax Husky 1/18th Truggy EP£64.99

C-RMX0010 Ripmax Jackal 1/18th Truggy EP£64.99

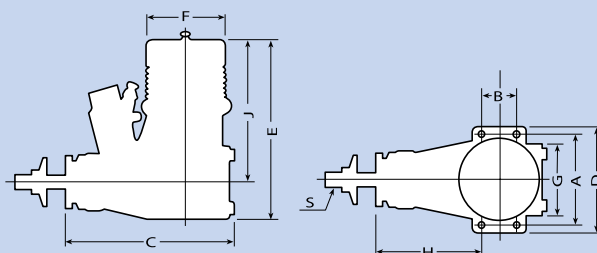
O.S. Speed R2101 w/21M2(B)

1/8 GP Racing, the fastest in the R/C car racing field. The O.S. SPEED engine won the Japanese Championships in 2011 and 2013 with superb driving by Mr.Takaaki Shimo.

Excellent potential of the preceding O.S.SPEED 21XZ-R has been succeeded and all the possible know-how to win the races has been implanted into a new weapon bearing a new naming "R2101". DLC coated, weight pressed-in and potted crankshaft, crankcase is newly designed to secure smoother mixture flow from intake to exhaust. Newly designed 7+3 port cylinder liner ensures stress-free acceleration from low to high speed, great power at max rpm range and improved fuel mileage. Newly designed cooling outer head realises both high cooling capacity and light weight due to machined cooling holes and low gravity, adopting new laser graphics "SPEED Brush Line". It is highly expected the new O.S. SPEED R2101 will deliver good results at the major races including the coming World Championships.

Dimensions:

A: 37mm
B: 21mm
C: 65.6mm
D: 45mm
E: 101.9mm
F: 44mm
G: 31.6mm
J: 86.3
S: UNF 1/4-28



Displacement:	3.49cc (0.213 cu.in)	Power Output:	2.80 PS @ 33,000rpm
Bore:	16.08mm (0.633")	Practical RPM:	4,000 ~ 45,000rpm
Stroke:	17.2mm (0.677")	Weight:	340g (12oz)

L-OS1A000 O.S. Speed R2101 w/21M2(B).....£349.99

**Legendary O.S.
performance!**



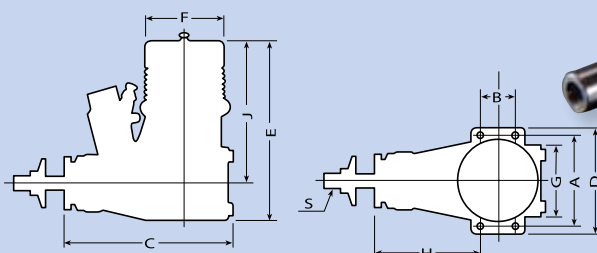
O.S. Speed 12XZ Spec III

O.S. engineers have taken superior performance to the next level! In addition to smoother acceleration from idle to full throttle, the 12XZ Speed Spec III also has increased low-to-mid-range torque. Drivers will still enjoy the same impressive top end speeds that 12XZ Speed Spec engines are known for - with the bonus of improved fuel economy. In fact, acclaimed on-road champion racer Takaaki Shimo utilised all of the 12XZ Speed Spec III's advantages to claim victory in the 2012 Japan Nationals!

The cylinder liner's outer diameter is slightly thicker (0.5mm), resulting in redesigned port angles for better air/fuel flow. The piston features a tapered surface with a depression in the middle to work better with the head button. The crankshaft features DLC coating, a pressed-in tungsten weight and ceramic rear ball bearing. The outer head is 1mm shorter and sits 6mm lower over the crankcase, for less overall weight while also lowering the CG. The new 12F2(B) carburetor delivers sharp acceleration and instant throttle response.

Dimensions:

A: 31.4mm (1.2")
B: 11mm (0.43")
C: 52.6mm (2.1")
D: 39mm (1.5")
E: 82mm (3.2")
F: 49mm (1.9")
G: 26mm (1.02")
J: 68.7mm (2.7")
S: UNF 1/4-28



Displacement:	2.1 cc (0.128 cu in)	Power Output:	1.73hp @ 35,000rpm
Bore:	13.8mm (.543")	Practical RPM:	5,000~44,000rpm
Stroke:	14mm (0.55")	Weight:	225 g (7.9 oz)

L-OS11685 O.S. Speed 12XZ Spec III.....£289.99



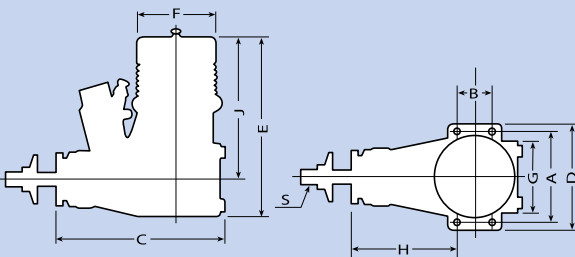
- Redesigned head for higher performance and improved acceleration.
- New cylinder liner and piston improve mid speed torque and fuel economy
- The slide valve's shape allows for a smoother flow of fuel and air
- Ceramic rear ball bearing



O.S. GT15 Petrol with E-4020 Silencer

Dimensions:

- A: 52mm (2.05")
- B: 25mm (0.98")
- C: 106.2mm (4.18")
- D: 61mm (2.40")
- E: 88.6mm (3.49")
- F: 42mm (1.65")
- G: 24.3mm (0.96")
- H: 54.3mm (2.14")
- J: 86.3mm (3.40")
- S: UNF 5/16-24



Displacement:	14.95cc (0.912 cu.in)	Power Output:	2.37 PS @ 15,000rpm
Bore:	27.7mm (1")	Practical RPM:	2,000~12,000rpm
Stroke:	24.8mm (0.97")	Weight:	904g (31.8oz)

The GT15 is equivalent in power to an OS 75AX and is designed to fit in place of a .61~.91 engine but give you the efficiency of a petrol engine. The new 61H carburettor design is made specifically for this engine and features an angled needle valve assembly for safer use.

Ignition is provided by a sophisticated unit that is also common to many OS petrol engines. The main HT lead is shielded to prevent emissions and the spark is delivered by a high quality CM-6 spark plug. Not quite a fit and forget system but pretty close!!

OS engines are never the cheapest, but like all things in life, you get what you pay for and every OS is guaranteed to have the very best quality, time after time.

L-OS38160 O.S. GT15 Petrol w/E-4020 Silencer.....£319.99

**The smallest
O.S. petrol
engine to date!**



Ripmax WOT 4 Xtreme GT55/DA50 Exhaust System

Designed specifically to suit the WOT4 Xtreme this high quality silencer/manifold combination allows for easy installation and maximum power with a reduced noise signature. Compatible with both OS GT55 and Desert Aircraft DA50 engines.



L-CF005/SIL GT55/DA50 Manifold & Silencer WOT 4 Xtreme£184.99

Sullivan Fuel Filler Valve (Hi-Flow)

Filling fuel tanks in R/C models has never been easier! This new aluminium alloy fuel filler valve is perfect for large or giant scale aircraft. The fuel filler valve comes with stainless steel twist ties clamp wires and mounting plates with screws.

Connect the new fuel supply tube to the fill nipple in the center of the red aluminium plunger. Gently pull the plunger outward until it stops. Once the filler valve is fully opened, you can now safely and easily begin to fuel or drain the tank.



Sullivan

- Fill or Drain Tanks Safely - Without disconnecting any fuel lines
- Pull To Open / Push To Close - Prevents engine flooding while refueling
- Safe for All Types of Fuels - Petrol, Glow Fuel, or Smoke Oil
- Easy Mounting and Installation - Mounts flush against model's fuselage
- Works with 5/32" Fuel Tubing with no extra connections or tools needed

L-SLN751

Sullivan Fuel Filler Valve (Hi-Flow).....£14.99

JSM Trike Retract Set (6~12Kg)

A high quality set of air retracts, alloy trailing link legs, wheels and brakes to suit the JSM Xcalibur jet.



All metal retracts!



F-JSMLG/STDTRIKE JSM Trike Retract Set (6~12Kg)£449.99

JSM Xcalibur Fuel Tank

A high quality composite fuel tank specifically designed to suit the JSM Xcalibur.

2.9L capacity



L-JSM001/FT JSM Xcalibur Fuel Tank£49.99

WOT 4 XL/Xtreme Aerotow Unit

Designed specifically to suit the WOT4 Xtreme and the WOT4 XL this high quality Aerotow Unit is a simple retro-fit in either model's wing. Requires a single servo for operation.



A-CFWOT/TOW

WOT 4 XL/Xtreme Aerotow Unit.....£9.99

Ripmax Vanquish 3000mAh 7.2v NiMH Battery

A high quality Vanquish branded 7.2v Ni-MH Battery. Ideal for the vast majority of brushed cars, buggies and boats. Boasting a capacity of 3000mAh, it is a step up from packs included in RTR models and will enable longer run times.

Weight:	315g
Capacity:	3000mAh
Connector:	Tamiya Female
Wire Size:	14AWG
Dimensions:	132 x 46 x 24
Voltage:	7.2v



O-VB6N3000SCLT 7.2v 3000mAh Ni-MH Pk Tamiya Connector£15.99



Ripmax Hi-Energy Extreme Batteries

HI-ENERGY EXTREME

**Quality LiPo
batteries
from £6.50!**

Hi-Energy Extreme batteries are designed to offer great performance in sports applications and amazing value for money.

Supplied pre-soldered with a 'T' style connector commonly known as 'Deans' as used in many popular ready to use models. The balance lead is the popular JST XH type, suited to all of the Ripmax chargers and many others.

Part No.	Name	Price
O-HE2S1P130030A	Hi-Energy Extreme 2S 1300mAh 30C Li-Po	£6.50
O-HE2S1P220030A	Hi-Energy Extreme 2S 2200mAh 30C Li-Po	£10.50
O-HE2S1P500050C	Hi-Energy Extreme 2S 5000mAh 50C Car Li-Po	£34.99
O-HE3S1P130030A	Hi-Energy Extreme 3S 1300mAh 30C Li-Po	£9.50
O-HE3S1P180030A	Hi-Energy Extreme 3S 1800mAh 30C Li-Po	£13.50
O-HE3S1P220030A	Hi-Energy Extreme 3S 2200mAh 30C Li-Po	£14.99
O-HE3S1P320030A	Hi-Energy Extreme 3S 3200mAh 30C Li-Po	£22.99
O-HE4S1P220030A	Hi-Energy Extreme 4S 2200mAh 30C Li-Po	£20.99
O-HE4S1P320030A	Hi-Energy Extreme 4S 3200mAh 30C Li-Po	£29.99
O-HE4S1P450030A	Hi-Energy Extreme 4S 4500mAh 30C Li-Po	£42.99
O-HE5S1P450030A	Hi-Energy Extreme 5S 4500mAh 30C Li-Po	£53.99
O-HE6S1P450030A	Hi-Energy Extreme 6S 4500mAh 30C Li-Po	£64.99

Ripmax Adaptor Board Leads

A lead designed to connect balance boards to 4 cell chargers via the XH port in the side (5 pin). This one is 300mm long so that you can get the balance board inside your Li-Po charging bag easily. Particularly suited to the Sigma EQ Mini.

O-IPBAL-ABL4L	Adaptor Board Lead 4 Cells - 300mm	£1.75
O-IPBAL-ABL6L	Adaptor Board Lead 6 Cells - 300mm	£2.25

Ripmax Balance Lead Extensions

Use these 300mm leads to extend a short XH battery balance lead for easier use. Perfect for use with a balance/voltage tester on an already installed battery or for charging a Li-Po in a Li-Po bag.

O-IPBAL-LXH2S	Balance Lead Extension 300mm 2S XH	£1.25
O-IPBAL-LXH3S	Balance Lead Extension 300mm 3S XH	£1.50
O-IPBAL-LXH4S	Balance Lead Extension 300mm 4S XH	£1.75
O-IPBAL-LXH5S	Balance Lead Extension 300mm 5S XH	£1.99
O-IPBAL-LXH6S	Balance Lead Extension 300mm 6S XH	£2.25

O.S. Brushless Motors

This new range of brushless motors features a unique. O.S. designed cooling system, a strengthened centre body and large ball bearings. The propeller driver has been machined from stainless steel for both strength and durability. Each motor is balanced during manufacture for optimum running and reliability. Supplied with a rear mount and 3.5mm gold connectors as standard accessories.

O.S. Motor	Diameter (mm)	Length (mm)	Weight (g)	KV (kv)	Shaft ø (mm)	Shaft Length (mm)	Poles (P)	Turns (T)	Volts (v)	Amps (A)	Li-Po (S)	Watts (W)
M-OS51010110	28mm	27.5	51g	1250	3mm	7mm	14	22	7.4~11.1v	14~25	2~3S	150~300
M-OS51010210	28mm	32.5	66g	1100	3mm	7mm	14	16	11.1v	15~30	3S	175~350
M-OS51010310	28mm	36.5	80g	950	3mm	7mm	14	14	11.1v	20~35	3S	250~400
M-OS51011200	37.5mm	43.5	160g	1200	5mm	11.5mm	14	10	11.1v	40~55	3S	550~950
M-OS51012100	37.5mm	48.3	195g	750	5mm	11.5mm	14	12	14.8v	30~40	4S	600~1000



M-OS51010110	O.S. OMA-2810-1250 Brushless Motor	£56.99
M-OS51010210	O.S. OMA-2815-1100 Brushless Motor	£64.99
M-OS51010310	O.S. OMA-2820-950 Brushless Motor	£72.99
M-OS51011200	O.S. OMA-3820-1200W Brushless Motor	£59.99
M-OS51012100	O.S. OMA-3825-750W Brushless Motor	£67.99

O.S. Brushless Electronic Speed Controllers

O.S. Brushless ESCs have the latest high quality FETs, for the coolest possible operation! With auto battery cell recognition, start protection, low-voltage and no-signal cutoff, it's easy to set up too. Ni-Cd, Ni-MH and Li-Po compatible and the perfect match to an O.S. Brushless motor!

O.S. ESC	PWM Frequency	Weight	B.E.C (Voltage/ Amps)	Dimensions (mm)	Max Current (A)	LiPo (S)	Ni-Cd/Ni-MH	Voltage
P-OS52020031	8~16kHz	25g	5.5v (3A)	45 x 25 x 12	30A	2~4S	6~12 Cell	6~16.8v
P-OS52020041	8~16kHz	45g	5.5v (3A)	75 x 28 x 12	40A	2~6S	6~18 Cell	6~25.2v



Perfect match to an O.S. brushless motor

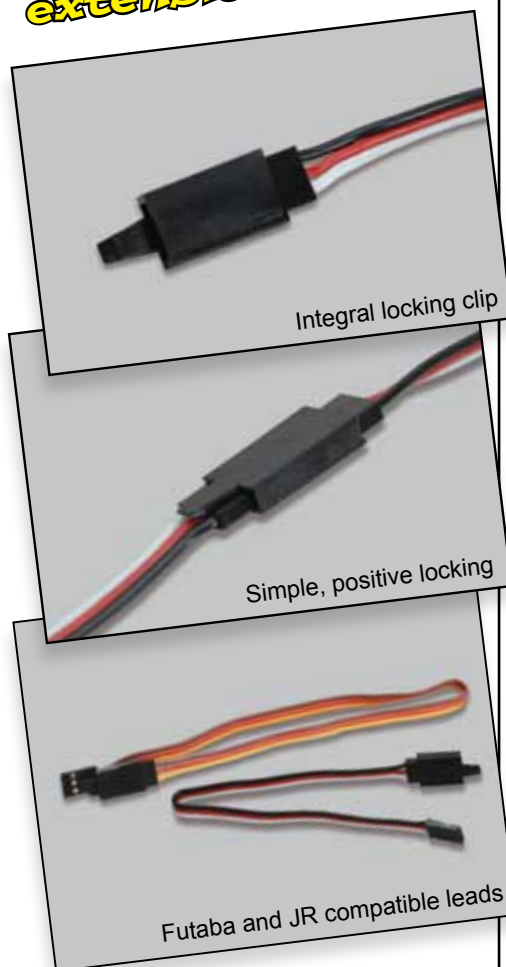
P-OS52020031	O.S. OCA-230 Brushless ESC (30A).....	£59.99
P-OS52020041	O.S. OCA-240 Brushless ESC (40A).....	£67.99

Ripmax Leads with Clips

Part No.	Name	Price
P-CF0100CHD	Futaba Extension Lead w/Clip (HD) 100mm	£0.99
P-CF0100CSTD	Futaba Extension Lead w/Clip (Std) 100mm	£0.90
P-CF0200CHD	Futaba Extension Lead w/Clip (HD) 200mm	£1.15
P-CF0200CSTD	Futaba Extension Lead w/Clip (Std) 200mm	£0.90
P-CF0300CHD	Futaba Extension Lead w/Clip (HD) 300mm	£1.15
P-CF0300CSTD	Futaba Extension Lead w/Clip (Std) 300mm	£0.90
P-CF0500CHD	Futaba Extension Lead w/Clip (HD) 500mm	£1.65
P-CF0500CSTD	Futaba Extension Lead w/Clip (Std) 500mm	£1.15
P-CF0600CHD	Futaba Extension Lead w/Clip (HD) 600mm	£1.65
P-CF0600CSTD	Futaba Extension Lead w/Clip (Std) 600mm	£1.15
P-CF0750CHD	Futaba Extension Lead w/Clip (HD) 750mm	£1.90
P-CF0750CSTD	Futaba Extension Lead w/Clip (Std) 750mm	£1.40
P-CF1000CHD	Futaba Extension Lead w/Clip (HD) 1000mm	£2.15
P-CF1000CSTD	Futaba Extension Lead w/Clip (Std) 1000mm	£1.40
P-CFCSH	Futaba Switch Harness w/Clip(HD) 300mm	£3.15
P-CFCYL	Futaba Y-Lead w/Clip (HD) 300mm	£2.15
P-CFCYLS	Futaba Y-Lead w/Clip (HD) 100mm	£1.90

Part No.	Name	Price
P-CJ0100CHD	JR Extension Lead w/Clip (HD) 100mm	£1.15
P-CJ0100CSTD	JR Extension Lead w/Clip (Std) 100mm	£0.90
P-CJ0200CHD	JR Extension Lead w/Clip (HD) 200mm	£1.15
P-CJ0200CSTD	JR Extension Lead w/Clip (Std) 200mm	£0.90
P-CJ0300CHD	JR Extension Lead w/Clip (HD) 300mm	£1.15
P-CJ0300CSTD	JR Extension Lead w/Clip (Std) 300mm	£0.90
P-CJ0500CHD	JR Extension Lead w/Clip (HD) 500mm	£1.65
P-CJ0500CSTD	JR Extension Lead w/Clip (Std) 500mm	£1.15
P-CJ0600CHD	JR Extension Lead w/Clip (HD) 600mm	£1.65
P-CJ0600CSTD	JR Extension Lead w/Clip (Std) 600mm	£1.15
P-CJ0750CHD	JR Extension Lead w/Clip (HD) 750mm	£1.90
P-CJ0750CSTD	JR Extension Lead w/Clip (Std) 750mm	£1.40
P-CJ1000CHD	JR Extension Lead w/Clip (HD) 1000mm	£2.15
P-CJ1000CSTD	JR Extension Lead w/Clip (Std) 1000mm	£1.40
P-CJCSH	JR Switch Harness with/Clip (HD) 300mm	£3.15
P-CJCYL	JR Y-Lead with/Clip (HD) 300mm	£2.15
P-CJCYLS	JR Y-Lead with/Clip (HD) 100mm	£1.90

**Self-locking
extension leads!**



Ripmax

If you've ever worried about an extension lead disconnecting from a servo lead when you're least expecting it, these new leads will be just what you're after! No need to install separate lead locks or use a turn of tape to avoid an accidental disconnect, these leads come with their own retaining clip built-in. Wonderfully simple and begging the question, 'why didn't I think of that?' each extension lead is available in a choice of Futaba and JR compatible and standard and heavy duty formats. Lengths from 100mm to 1000mm are catered for, together with a Y-lead and switch harness.

New Power Digital Servos

Two lightweight additions to the popular New Power digital servo range.

P-NEWXLD02

Speed:	0.09s (4.8v)
Torque:	0.23kg (4.8v)
Size:	16.3 x 8.3 x 18mm
Weight:	2g



P-NEWXLD02	New Power XLD-2 Digital Servo	£8.99
P-NEWXLD045	New Power XLD-4.5 Digital Servo	£7.99

**Seriously
small!**

P-NEWXLD045

Speed:	0.10s/0.09s (4.8v/6v)
Torque:	0.65kg/0.68kg (4.8v/6v)
Size:	19.6 x 23.7 x 8.4mm
Weight:	4.7g



Ripmax Sigma EQ Touch AC/DC Charger

This high-performance, balance charger features the very latest 'touch' sensitive LCD screen for simple and logical programming. It is perfect for charging and discharging Li-Po, Li-Ion, Li-Fe, Ni-MH, Nicad and Lead Acid batteries. With a useful total charge current of up to 10A and a maximum limit of 90W total charge power, the Sigma EQ Touch will cater for a wide variety of battery types and 'C' ratings. The LCD screen provides graphical display of the charge/discharge process to help understand the condition of the pack and each cell in it (Lithium only with balance connector). There is a function for long term storage to help optimise your Lithium type batteries and prolong their life. Additional features such as an internal independent balancer, battery resistance measurement and a digital power output make this a versatile charger. Input power can be 11~18v DC or 100~240v AC, so perfect for use at the field or at home.

Supplied with a universal balance board (XH,TP,EH and PQ), a DC input lead with removable crocodile clips and a 'T' type main battery connection lead as standard. Other leads are available from your local shop to suit different applications. An optional temperature sensor is also available.

Charge Current:	0.1~10.0A
Discharge Current:	0.1~2.0A
Input Power:	10~18V DC or 110~240V AC
Circuit Power:	Max 90 Watts (Charging)
NiCd/NiMH:	1~16 cells
LiPo/LiFe:	1~6 cells
Lead Acid (Pb):	2~20V
Dimensions:	146 x 148 x 58mm
Weight:	520g (18.3oz)



SIGMA EQ TOUCH

Touch screen!

O-IP3055 Sigma EQ Touch AC/DC Charger£54.99

Ripmax Sigma EQ Twin AC/DC Charger

Charge Current:	0.1~5A
Discharge Current:	0.1~1.0A
Input Power:	10~18V DC or 180~240V AC
Circuit Power:	Max 2x 50 Watts (Charging)
NiCd/NiMH:	1~15 cells
LiPo/LiFe:	1~6 cells
Lead Acid (Pb):	2~20V
Dimensions:	192 x 146 x 42mm
Weight:	760g (26.8oz)

The Sigma EQ Twin is the ideal charger for the electric modeller that is keen to charge and manage his batteries more quickly than one at a time! It has two totally independent circuits that can each handle charging, balance charging, fast charging, discharging and storage. Each charge circuit can deliver up to 5A and a maximum limit of 50W. All battery types (Li-Po, Li-Ion, Li-Fe, Ni-MH, Nicad and Lead Acid) can be accommodated according to their specific needs. There are 5 memories to store the data (charge or discharge) for your favourite batteries for easy recall when required. The advanced calculations used for each function deliver precise control, allowing optimised management of your batteries, enhancing their performance and life. Input power can be 11~18v DC or 110~240v AC. No need for an external power supply. Twin internal cooling fans keep temperatures under control. The Sigma EQ Twin has XH balance ports as standard and is supplied with two 'T' type main battery charge cables. A DC power input lead is provided with removable crocodile clips. Optional balance boards for other plugs, alternative charge leads and a temperature sensor are available from your local model shop.



Twin output!

O-IP3057 Sigma EQ Twin AC/DC Charger£79.99

Futaba 4PLS 4 Channel Combo 2.4GHz FHSS (with Telemetry) R304SB & R2104GF

An upgrade from the 4PL the Futaba 4PLS is an extremely capable 4 channel radio capable of transmitting on S-FHSS, FHSS and T-FHSS (Telemetry).

The most noticeable feature is the T-FHSS (telemetry) radio modulation as this allows you to receive information directly back from your receiver while you use it. T-FHSS receivers transmit receiver battery voltage back as standard but with the use of optional sensors you can receive information on temperature, rpm and external battery voltage.

Two receivers are included with the 4PLS. A R304SB 4 channel T-FHSS telemetry receiver and a standard FHSS R2104GF 4 channel receiver.

- 40 Model Memory (10 character names)
- Operates FHSS and T-FHSS (Telemetry)
- Includes both R304SB T-FHSS Telemetry receiver and a R2104GF S-FHSS receiver!
- Includes a large 2 colour LCD panel and a simple jog dial for easy programming
- A strengthened throttle trigger is mounted on a sliding mechanism allowing an adjustable range of 7mm
- Digital trims
- Sub Trim (All Channels)
- EPA (All Channels)
- Dual Rates
- Signal F/S (All Channels)
- Battery F/S (2 Channel)
- Program MIX
- Timer (Records up to 100 laps)
- S.BUS2 Compatible
- MC link function
- 4 Wheel Steering mixing
- Gyro Adjustment
- Dual ESC mixing
- Neutral Brake Function
- ABS Braking
- Idle Up Throttle Speed Throttle Cut
- Throttle Acceleration EXP
- Mechanical ATL
- Servo Neutral Selection Feature Anti-Skid B
- Equipment Systems (5:5 / 7:3)
- Steering EXP
- Adjustable Steering Speed



**Includes
4 channel
telemetry receiver!**

**Radio
with
telemetry!**
Futaba

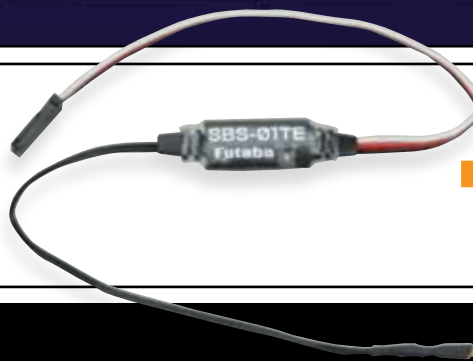


P-CB4PLS

4 Channel Combo 2.4GHz FHSS-Dry R304/2104.....£249.99

Futaba SBS-01TE

The new SBS-01TE Temperature sensor covers a range from 0 to 125 degrees Centigrade, so is ideal for use with almost all I/C engines, electric motors, speed controllers and battery packs, whilst being exceptionally compact and lightweight.



Futaba

Futaba T10J

**2.4GHz
10 channel
radio with
telemetry!**

Futaba



radio, servos & Leads

Futaba T10J 10 Channel Combo 2.4GHz T-FHSS with Telemetry

The new Futaba 10J radio utilises the very latest T-FHSS transmission technology to offer a full 10 channel system combined with sophisticated telemetry, the telemetry transmission of the signal strength, receiver battery voltage and external battery voltage being built-in to the matching R3008SB receiver, whilst further sensors from Futaba's wide range can be added as required. As standard the telemetry data is displayed on the 10J's large LCD screen, but audio output is also available via an earphone (not supplied). This extremely sophisticated system is supplied complete with transmitter battery and delta peak charger as well as the full range R3008SB receiver which has 8 conventional outputs, or a full 10 through the S-Bus or S-Bus 2 outputs, the 10J also including an S-Bus servo programming function. With no less than 30 model memories, the 10J also features a model memory transfer function, where a model memory can be wirelessly transferred to or from another 10J transmitter, or from an 8J, a real boon for those with multiple models/transmitters. As the 10J also includes S-FHSS transmission, all of the current FHSS air receivers can be used, ranging from the micro 6 channel R2106GF through to the 8 channel R2008SB. The 10J has extremely powerful mixing functionality, with 16 aircraft, 17 helicopter and 13 glider mixes being built-in, but on top of this there are six freely programmable mixers.

- 30 Model Memory
- Telemetry of signal strength, Rx battery voltage and external voltage as standard
- Wide range of optional telemetry sensors available
- Large 128 x 64 dot LCD w/LED Backlight
- T-FHSS and S-FHSS transmission modes
- Aircraft, Helicopter and Glider mixing functions
- S-Bus/S-Bus 2 servo programming function
- Model Memory transfer function
- Telemetry audio via earphone (earphone not included)
- Rechargeable Tx Battery and Charger
- Alarm/Warning function
- Two circuit Timer
- Auxiliary Channels Selectable
- Six Programmable Mixers



P-CB10J/L	10 Channel Combo 2.4GHz T/S-FHSS M2 R3008SB	£334.99
P-CB10J/R	10 Channel Combo 2.4GHz T/S-FHSS M1 R3008SB	£334.99

Futaba R3008SB 8 Channel S-Bus Receiver

The new and full range Futaba R3008SB receiver is designed to be used with the equally new 10J transmitter, and has 8 conventional outputs, or a full 10 through the S-Bus or S-Bus 2 outputs, whilst of course a mix is also possible by using 7 or 8 conventional servos and 2 or 3 S-Bus or S-Bus2 servos, or even additional conventional servos via an SBD decoder lead. The extremely compact dimensions of only 47.3 x 24.8 x 14.6 (max) and end connectors make this the perfect receiver for almost all applications, ranging from power models through helicopters and gliders.

Futaba

Modulation:	2.4GHz T-FHSS
Weight:	7.5g
Voltage:	3.5~8.4v
Channels:	8
Dimensions:	47.3 x 24.8 x 14.6mm



P-R3008SB 4 Channel Rx FHSS (S-Bus) (HV) 2.4GHz.....£54.99

Futaba R7003SB 8 Channel S-Bus Receiver

Primarily developed for use in helicopters but equally suitable for fixed wing models, this tiny full range FASST receiver weighs in at only 7.2g!

The R7003SB telemetry enabled receiver, a high-voltage design that operates up to 3 channels using the 3 standard PWM outputs or up to an incredible 18 channels (16 proportional + 2 digital) using the S-Bus port. That means a simpler setup and full support for S-Bus and S-Bus2 servos.

Futaba

Modulation:	2.4GHz FASST
Weight:	7.2g
Voltage:	3.7~7.4v
Channels:	3 (18 S-Bus)
Dimensions:	37.4 x 22.5 x 9.3mm



P-R7003SB 4 Channel Rx FHSS (S-Bus) (HV) 2.4GHz.....£84.99

Futaba R614FS 4 Channel Rx 2.4GHz FASST

This 2.4GHz FASST R614FS 4-Channel Receiver is designed to be used with the Futaba 4PKS Surface Radio System.

Modulation:	2.4GHz FASST
Weight:	7.8g
Voltage:	3.5~8.4v
Channels:	4
Dimensions:	35.1 x 23.2 x 8.5mm



Futaba

P-R614FS 4 Channel Rx 2.4GHz FASST.....£109.99

Futaba R304SB 4 Channel Rx with Telemetry FHSS (S-Bus) (HV) 2.4GHz

The R304SB is a compact little 4 channel receiver using T-FHSS telemetry. Suitable for HV applications the R304SB has an operating voltage range of 3.6 up to 8.4v. T-FHSS is a variation of Futaba's FHSS technology with the added bonus of telemetry. As standard the receiver will monitor its own voltage and transmit that back to your T-FHSS transmitter. There is also a S-Bus2 port included allowing you to plug in additional futaba telemetry sensors.

- Compact size
- T-FHSS Telemetry

Futaba

Weight:	6.7g
Voltage:	3.6~8.4v



P-R304SB 4 Channel Rx FHSS (S-Bus) (HV) 2.4GHz.....£47.50

Futaba High Voltage S-Bus 2 Servos

Futaba



P-S9670SV



P-S3073HV



P-S9470SV



P-S9570SV

Part No.	Type	Speed		Torque		Dimensions (mm)			Weight	Price
		(7.4v)	(6.6v)	(7.4v)	(6.6v)	A	B	C		
P-S9670SV	Servo HV S-Bus2	0.11	0.10	5.5	5	35.5	15	28.6	24g	£59.99
P-S3073HV	Servo HV S-Bus2	0.18	0.16	3.9	3.5	40.5	20	36.1	41g	£24.99
P-S9470SV	Servo HV S-Bus2	0.10*	0.09*	13.8*	12.5*	40.5	20	36	52.8g	£72.50
P-S9570SV	Servo HV S-Bus2	0.08*	0.09*	8.0*	7.2*	40.5	19.5	24	42.2g	£74.99

*Temporary specification subject to change

Futaba High Voltage S-Bus 2 Servos

P-S3172SV



P-S3173SVI



P-S3174SV



P-S3270SV



P-S3270SVI



P-S3470SV



P-S9370SV



P-SBL251SB



P-SBL275SV



P-SBL276SV



P-SBL671SV



P-SBL671SVI


Futaba

Part No.	Type	Speed		Torque		Dimensions (mm)			Weight	Price
		(7.4v)	(6.6v)	(7.4v)	(6.6v)	A	B	C		
P-S3172SV	Servo Mini HV S-Bus2	0.23 sec	0.26 sec	4.1 kg/cm	3.7 kg/cm	30	10.8	29.1	74g	£42.50
P-S3173SVI	Servo Mini HV S-Bus2	0.16 sec	0.18 sec	4.3 kg/cm	3.9 kg/cm	30	10.8	29.1	20.6g	£50.99
P-S3174SV	Servo Mini HV S-Bus2	0.09 sec	0.10 sec	9.6 kg/cm	8.8 kg/cm	47.5	27	25.4	53g	£49.50
P-S3270SV	Servo HV S-Bus2	0.11 sec	0.12 sec	3 kg/cm	2.6 kg/cm	23	11.8	28.8	16.2g	£47.50
P-S3270SVI	Servo HV S-Bus2	0.11 sec	0.12 sec	3 kg/cm	2.6kg/cm	23	11.8	28.8	16.2g	£48.99
P-S3470SV	Servo HV S-Bus2	0.12 sec	0.14 sec	9.6 kg/cm	8 kg/cm	40	20	38.1	43g	£44.99
P-S9370SV	Servo HV S-Bus2	0.11 sec	0.13 sec	16.8 kg/cm	13.8 kg/cm	40	20	36.6	61g	£104.99
P-SBL251SB	Servo Helicopter (4.8v) S-Bus2	0.06 sec (4.8v)		3.8kg/cm (4.8v)		40	20	36.8	60g	£124.99
P-SBL275SV	Servo 3D/F3C HV S-Bus2	0.07 sec	0.08 sec	15.2 kg/cm	13.6 kg/cm	40.5	21	38.4	77g	£209.99
P-SBL276SV	Servo Helicopter HV S-Bus2	0.050 sec	0.055 sec	5.0 kg/cm	4.4 kg/cm	40	20	36.8	60g	£129.99
P-SBL671SV	Servo Car HV S-Bus2	0.10 sec	0.11 sec	8.3 kg/cm	7.4 kg/cm	33	15	27.1	28g	£118.50
P-SBL671SVI	Servo Car HV S-Bus2	0.10 sec	0.11 sec	8.3 kg/cm	7.4 kg/cm	33	15	27.1	28g	£119.99

Deluxe Materials 4 Minute Speed Epoxy II 28g (1oz) Tube

Deluxe Materials' new formulation of 4 minute Speed Epoxy II in handy tubes. Speed Epoxy II is a high strength adhesive with a rapid 4 minute setting time and is formulated to cure hard, clear and sandable. The new formula uses epoxy and hardener systems that are carefully matched to give high strength across gaps at 1:1 ratio and yet tolerate the slight mixing errors found in normal use. Perfect for quick building and repairs. Can be used on balsa, plywood and foam.

S-SE01A Deluxe 4 Minute Speed Epoxy II - 28g Tube.....£5.99



Deluxe Materials Superlight Carbon Fibre Tissue

Deluxe Materials Carbon Fibre Tissue is a specially developed carbon fabric for surfacing and strengthening lightweight materials such as balsa, ply and foam. It is rapidly bonded with thin glues such as Rocket Hot, or laminating resins such as Eze Kote or Eze Dope and Aeropoxy. It is not designed for tissue covering of models but is perfect for reinforcing and strengthening tasks.

Use Superlight Carbon Fibre Tissue when:

- Reinforcing undercarriage mounts
- Strengthening wing joints and servo trays

S-FG7 Deluxe Superlight Carbon Fibre Tissue£9.99



**Lightweight
carbon fibre
tissue!**

Pack size:
75cm x 33cm (approx 30" x 13")
Weight: 10g/sq metre (0.3oz/sq yd)

Deluxe Materials Speed Epoxy II 3.5 Tonne

This new addition to the Speed Epoxy II range has been tested to over 3.5 tonnes (8,412 psi - 58N/mm2) setting the industry standard for high strength epoxy glues and thus outdating many others. Like its companion 4 minute and 20 minute grades, this 60 minute epoxy sets hard, clear and sandable.

This new formulation again uses epoxy resin and hardener systems carefully matched to give maximum strength across gaps at 1:1 ratio, and yet tolerate slight mixing errors found in normal use.

Speed Epoxy II 3.5 tonne is packed in new attractive black high gloss box and the bottles are fitted with an easy flowing "witch's hat" style nozzles - each with its own convenient colour-coded over-cap to match the label.

**High strength 3.5
tonne, 60 minute
epoxy!**

**3.5
TONNE
STRENGTH**

S-SE71 Deluxe Speed Epoxy II 3.5 Tonne / 60 Minute Set£13.99



Deluxe Materials Brush Magic

Brush Magic is a powerful, non-flammable brush cleaner that has been formulated for the rapid cleaning of all types of wet or dried paints from paintbrushes, airbrushes, tools and more. Can also be used to clean up and remove epoxy or polyester and polyurethane resins and glues before they are set.

- Restores and revives brushes like new!
- Washes away with water - non-flammable
- Safer for your health and the environment
- Non volatile and very low odour
- Dissolves acrylic enamel and cellulose paints plus epoxy and polyester resins before they set

S-SE67 Deluxe Brush Magic£7.99



**Effortlessly cleans paint
from brushes and tools!**



Deluxe Materials Smart Plastic

Smart Plastic is a safe, white modelling plastic that is easily melted in hot water (40~60C) to give a soft consistency which is ideal for hand moulding to any shape. Allowed to cool, it sets in 3 to 4 minutes into a tough, flexible plastic that can be re-melted and re-used.

Ideal for custom-making impressions, model car body parts, scale details, creating prototypes and much, much more!

- Can be handled quickly
- Setting can be accelerated by immersing in cold water
- Can be coloured with inks or acrylics
- Cut with scissors



Ideal for a wide range of moulding applications



S-SE69 Deluxe Smart Plastic 125g (200ml) £11.99

Deluxe Materials Roket Glue Tips

- Precision glue tips, fine glue lines
- Instant fit - Anti clog - No mess

A pack of 6 one piece glue tips for the accurate application of Deluxe Materials glues: including Roket cyano (Hot, Rapid and Max), Roket Card and Super 'Phatic! glue.

Tips can be shortened as required or stretched for even finer application.



Accurate glue application



S-SE70 Deluxe Materials Roket Glue Tips..... £5.25

Deluxe Materials Aerokote "Make it Matt"

A simple matting agent that blends readily with Aerokote Gloss to give it a satin or matt finish. Measure & add "Make it Matt" to Aerokote Gloss in the quantities as tabulated below. Then add standard Aerokote catalyst to the mix in ratio 10:1 as usual and mix well.

Important: Before application, especially on paints, test on a trial painted area before application.

Finish Required	Gloss	Satin effect	Matt	Dead Matt
Volume of Make it Matt to add to 25ml of Aerokote gloss	Nil	8ml	16ml	25ml

S-SE68 Deluxe Aerokote "Make it Matt" £4.75

Converts Aerokote Gloss to Satin or Matt Finish!





Ripmax

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