

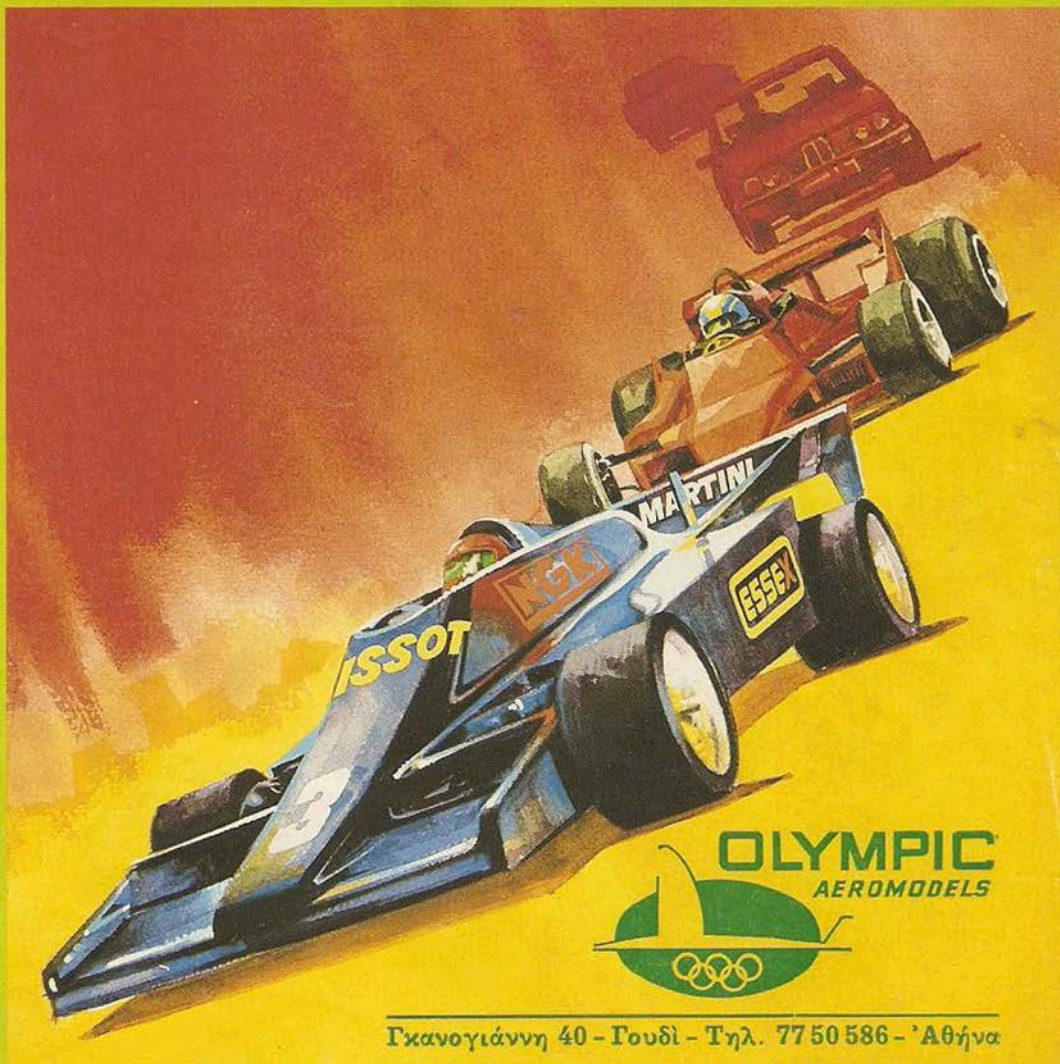
**MULTI
PLEX**

**Radio Control
Aero Models
Model Cars
Model Boats
Engines
Accessories
Materials**

81

**modell
technik**

multiplex • modelltechnik gmbh
neuer weg 15 • 7532 niefern • west germany



Γρανογιάννη 40 - Γουδί - Τηλ. 77 50 586 - Αθήνα



Europa-Sport 2/4

„Europa-Sport“ is the name of a series of high-quality radios in the beginner class. The „Europa-Sport 2/4“ shown here is the cheapest set in this range.

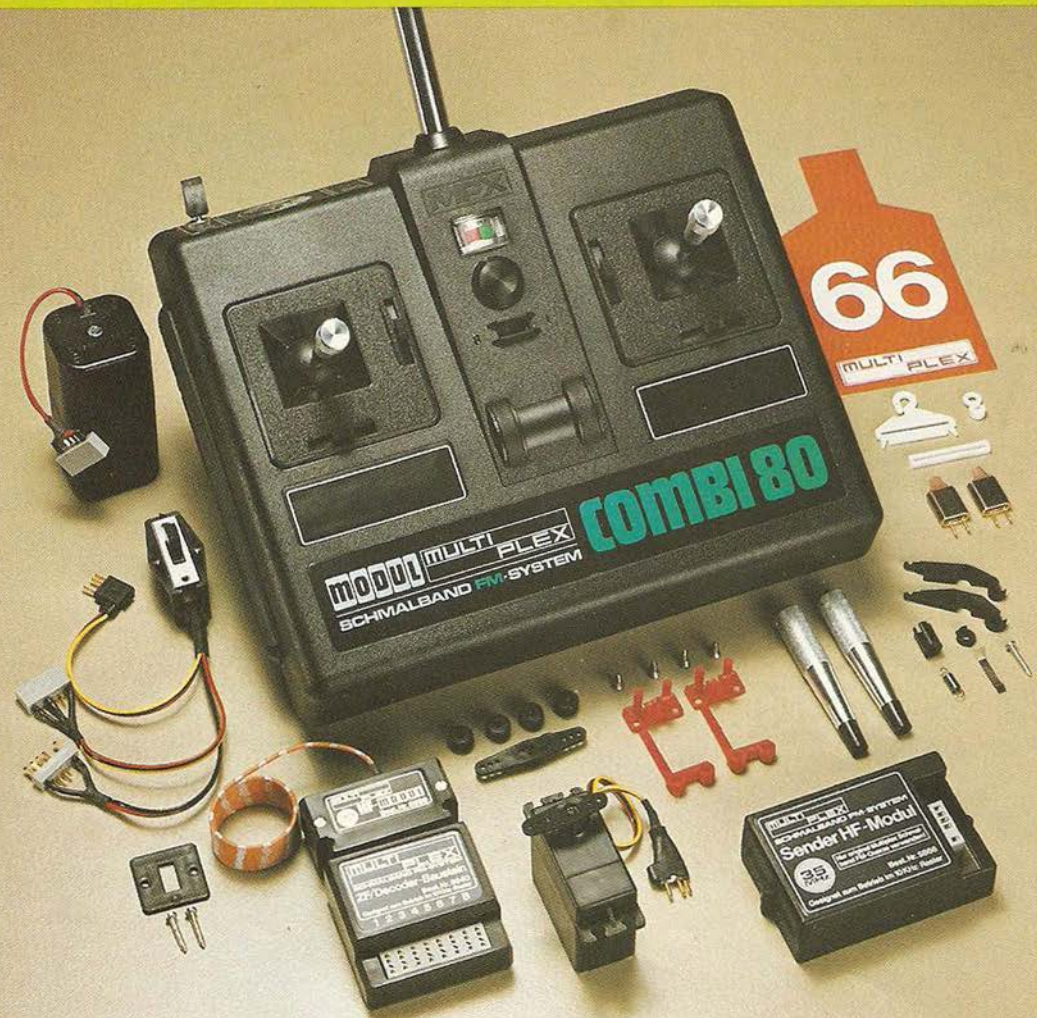
This set has two proportional steering channels, sufficient for e.g. car and boat models or basic flying models. When two channels are no longer sufficient a further two channels can be added.

Disturbance free FM-operation, unlimited use on 10kc spacing and plug-in transmitter module are all features of this set, which make it suitable for a multitude of purposes. It operates on both rechargeable nicads or the more economical dry batteries.

Various extension units for the transmitter and numerous additional accessories for the receiver give a number of interesting possibilities.

Available on 27, 35 or 40MHz.

Complete Set for 27MHz Order No. 1 5780
 for 35MHz Order No. 1 5781
 for 40MHz Order No. 1 5782
 also on 72MHz for export.



COMBI 80 5/7

The COMBI is a middle-class radio, popular for many years because of its versatility and reasonable price.

The basic model shown here has five proportional steering channels (four on the sticks and one 3-position switch). It is quite simple to extend these to seven channels.

Numerous additional units are available, which give this set a multiplicity of uses.

Naturally the set operates on disturbance-free, narrow-band FM (10kc spacing). It also has plug-in modules for easy band-changing, servo-reversal incorporated in the transmitter, direct tx/rx drive and so on.

The COMBI 5/7 is available in either nicad or dry cell version (the dry-cell version can be equipped with nicads at a later date, if required).

Complete Set with Nicads

27 MHz	Order No. 2 5851
35 MHz	Order No. 2 5852
40 MHz	Order No. 2 5853

also on 72 MHz for export

NB

The nicad version of the Combi 80 is sold in the U.K. with four servos and charger under the name of System Sixteen.

Royal-Module

This set and the „Profi-Module“ shown overleaf are the top of the Multiplex range. They are similar in construction, the only differences being in the transmitter case and in the number of add-on units available.

The „Royal-Module“ has seven steering functions – four on the sticks, two linear slide pots, and one 3-position switch.

Numerous extras can be plugged in to the transmitter – mixers exponential steering, dual-rates, differential control etc.

The set has plug-in HF-modules for both transmitter and receiver.

Naturally it operates on disturbance-free, narrow-band FM, has servo-reversal incorporated in the transmitter, direct drive, ball-jointed swivel antenna, sintered cell nicads etc. A wide range of accessories allows every wish to be fulfilled.

Complete Set for 27 MHz Order No. 2 5929
35 MHz Order No. 2 5930
40 MHz Order No. 2 5931
also on 72 MHz for export





Profi-Module

The top model in the Multiplex range. Similar in construction to the Royal-Module, the Profi comes complete with the most popular extras i.e. mixer and dual-rates. In addition it is equipped with the high-quality „Profi“ servos.

Additional units such as exponential-steering, differential automatic figure-flying etc. can be built in very easily.

Seven proportional channels, plug-in HF-module for transmitter and receiver, disturbance-free narrow-band FM operation on 10kc spacing, servo-reversal, throw reduction, ball-jointed, swivel antenna, sintered cell nicads etc. together with a wide variety of add-on units and accessories all serve to satisfy the needs of even the most demanding modeller.

Whilst the „Royal-Module“ makes it possible to move into the top class of r/c equipment at a reasonable price and then to add on the extra units later, the „Profi-Module“ gives you everything right from the start.

Complete Set for 27 MHz Order No. 3 5960
 35 MHz Order No. 3 5961
 40 MHz Order No. 3 5962
 also on 72 MHz for export.

Professional 434

Radio control on the 434 MHz UHF frequency: this is the elite of r/c equipment. The „Professional 434“ is so far the only production model of UHF equipment which has plug-in crystals, enabling the use of the additional transmission frequencies in this band. Although of course this equipment can be used for flying models, it is primarily of interest to boat and car modellers, who otherwise must compete with CB users on 27 MHz or use the very small number of frequencies on the 40 MHz band.

The „Professional 434“ is identical in many ways to the „Profi-Module“ – seven proportional channels, precise stick movement, additional plug-in units etc. enable every wish to be fulfilled.

Complete Set „Professional 434“
Order No. 3 5985





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Transmitter Extension Units

For all MULTIPLEX transmitters with the exception of the Delta-2 and the EX-1 there are a number of extension units, which provide various interesting possibilities. For example:

① **Transmitter Royal-Module** may be equipped with two mixers (e.g. for V-tailplanes, elevator + flaps), dual-rate switch (more or less throw on servos), Combi-Switch (e.g. for combining aileron and rudder).

② **Combi 80 Transmitter** may be equipped with steering wheel (for car and boat models), rate switches.

③ **Differential Unit** for the Profi and Royal-Module transmitters; allows aerodynamically correct, unequal throw on ailerons. The amount of differentiation can be regulated as required and the unit can be switched off as necessary.

④ **Exponential Unit** also for Profi-Module and Royal-Module transmitters. By means of this unit the throw near the neutral position can be reduced; as the amount of stick movement increases the throw can be increased more than proportionally until full throw is reached. For two functions, may be adjusted or switched off as required.

⑤ **Mixer** may be installed in the Europa-Sport transmitter; even the equipment in the beginners' class has a variety of optional extras.

⑥ **Transmitter „Royal-Module“** shown here with mixer (e.g. for V-tailplane) and auto-maneuvre. This latter allows pre-programming and automatic repeat of certain aerobatic manoeuvres.

MULTINAUT-System

For model ships – and in some cases also model cars – only a small number of proportional channels are needed but considerably more switch channels may be required e.g. for lights, tape recordings, water pumps etc. In such cases the MULTINAUT-System is ideal for extending the basic r/c system. Additional units for transmitter and receiver replace one or two proportional channels with four or eight switch channels.

The MULTINAUT-System can be installed in all MULTIPLEX sets with the exception of the Delta-2 and the EX-1.

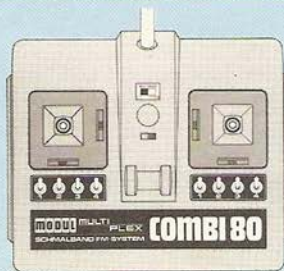
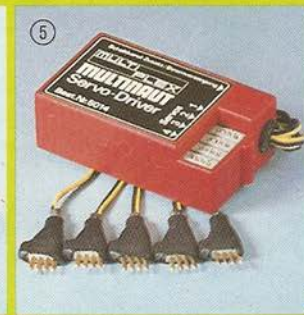
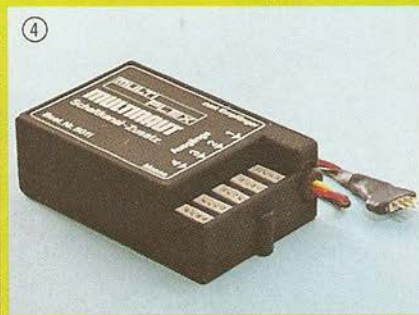
① Transmitter „Combi 80“ complete with MULTINAUT-Unit.

② Transmitter „Royal-Modul“ complete with MULTINAUT-Unit.

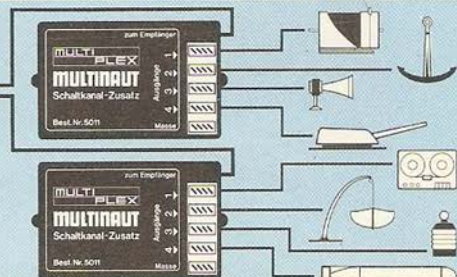
③ Transmitter „Europa-Sport“ showing installation of MULTINAUT-Unit.

④ Additional switch-channel unit for receiver; for four switch channels. Two such units may be installed.

⑤ „Servo-Driver“ Unit: when installed behind the Rx-switch-channel unit, servos can be attached as normal. Thus instead of two proportionally-driven servos, up to eight servos can be operated on a switch basis (right/left).



Kanäle 1 bis 4 frei für Servos, Fahrtregler, usw.



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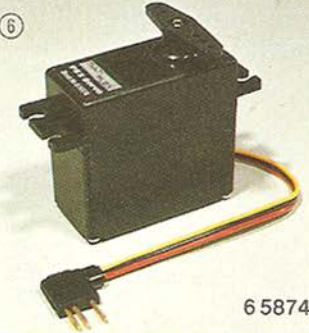
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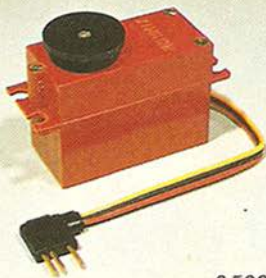
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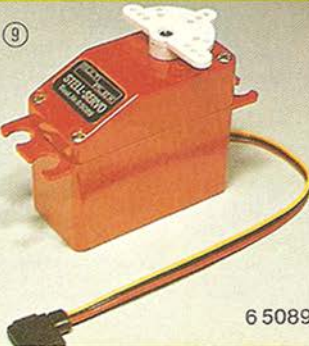
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Servos

In addition to the servos supplied with complete sets, sooner or later every modeller requires extra servos to finish his models.

① **Pico Servo** (sold as Micro-Servo in U. K.) extremely small and light (19 grams); suitable for installation in the smallest models or directly on the control surfaces of aero-models.

② **Nano-Servo.** Economical middle-sized servo for all purposes.

③ **Mini-Servo** (sold as Master Servo in U. K.). Powerful, robust servo suitable for all purposes. Metal gears waterproof case.

④ **Profi-Servo.** Top quality for discerning modellers; extremely fast, extremely powerful. Hybrid amplifier, metal gears, watertight, ball-race servo.

⑤ **Profi-Linear-Servo.** Similar to the Profi-Servo but with two counter-running, rectilinear drive mechanisms.

⑥ **PS 3-Servo** (sold as SK3 Servo in U. K.). Very economical servo, middle-sized and adequate for most uses.

⑦ **Micro-Servo** (sold as Standard Servo in U. K.). In size somewhere between the Pico and Nano servo but more similar in performance to the latter.

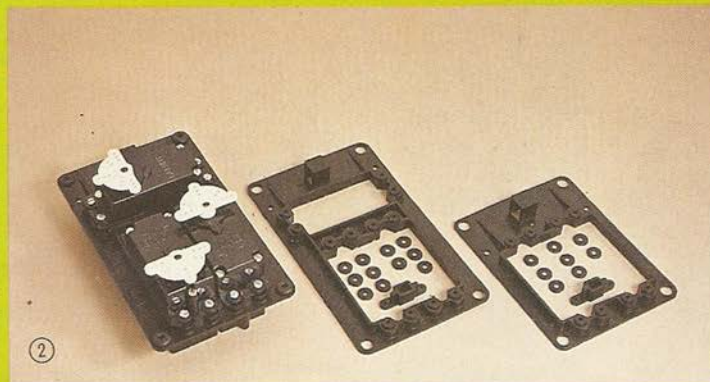
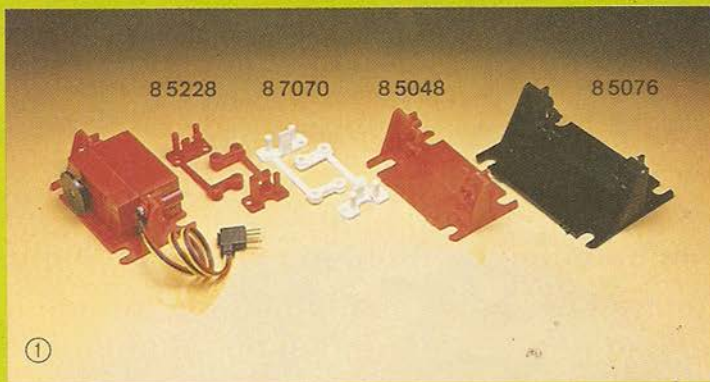
⑧ **PS 30 BH-Servo.** Very powerful and robust servo of medium size; specially developed for use in RC-cars. Watertight with ball-race.

⑨ **Retract Servo.** Slow-running, very powerful servo with reduction gear e. g. for retracts, flaps, special functions in model ships.

Servo Accessories

For servos there are always the requisite accessories, which simplify installation and use. For example:

- ① **Clip Fixing for Micro-Servo** (Standard Servo) for sideways installation. Also available for Mini and Profi servos.
- ② **Servo Tray for Mini-Servos** (Master Servo) Available for two or three servos; similar trays available for Micro servos.
- ③ **Clip Fixing for Mini/Profi Servos** (Master/Profi Servos) For simple installation of servos e. g. on side or bottom of fuselage or hull in plane or boat models.
- ④ **Clip Fixing for Pico-Servo** (Micro Servo) New design clip-fixing for easy installation and removal of servos.
- ⑤ **Servo-Saver**. Suitable for all servo types; protects servo from crashes and overloading (e. g. in RC-car racing).
- ⑥ **Differential-Servo-Arm**. Both arms revolve and allow smaller or larger movements which may be different in both directions.
- ⑦ **Adjustable Double-Servo-Arm**. Similar to the above. Both arms can be turned to any desired position and then held in place by a notched gear.



Speed Controllers

For electric powered models at least a radio-controlled on/off switch is required but in most cases a proportional backwards/forwards speed control is also desirable. This is the purpose of electronic switches or speed controllers.

① Speed Controller 8/10 A

Order No. 7 2206)

Allows progressive regulation of forwards/stop/backwards movement of electric motors up to 10 A input and 27 V current.

Speed Control System

Consists of Control Unit (Order No. 7 5180), to which up to three power units (Order No. 7 5181, up to 10 A and Order No. 7 5182 up to 15 A) can be connected. This means the system can be tailored to any use and can provide much greater power.

② **Mini-Speed Controller.** For smaller models a correspondingly smaller speed controller is more economical and more practical than a larger one. The Mini-Speed Controller takes up to 3 A at max. 14 V.

③ **Electronic Switch.** For switching on, reversing etc. electric circuits of all types. Small, light (35 grams) takes up to 15 A.

④ **Nicads for Radios and Models.** Nickel-cadmium batteries for radio equipment in various sizes and versions provide the most suitable choice for any particular set.

⑤ Sintered cell nicads can be used with any type of model.



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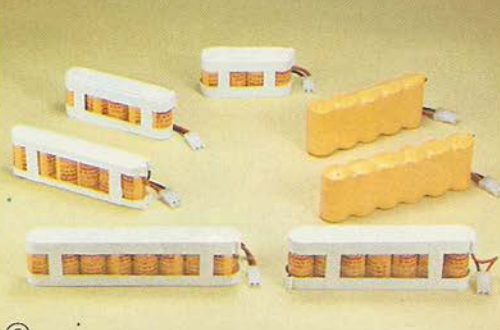
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Chargers

A suitable charger is essential in r/c modeling.

① **Mains Charger.** Charges transmitter and receiver nicads, each of 50 mA, overnight. Suitable for a mains voltage of 220 V.

Multi-Charger. Powerful charger with several output sockets: 1 x 25 mA, 2 x 50 mA, 2 x 100 mA; 1 x 500 mA; with current indicator; suitable for use on 220 V mains voltage.

② **Charging Cables.** Various types; for the connection of nicads to chargers.

③ **Automatic Fast Charger.** Charges sintered-cell nicads – e. g. for radios or r/c cars – automatically in 30 minutes. Acoustic full charge indicator. Fail-safe with no possibility of accidentally changing polarity. For use with 12 V constant current.

④ **Charger/Power Supply 50W.** Provides a 12 V, electronically-controlled constant current; takes up to max. 4 A. May be used for all types of charging, for running small machines, CB-radios etc. from the 220 V mains current.

⑤ **Charger 80 W.** Electronically controlled output, can be switched to 2.3 – 6.9 – 12 – 13.8 V; max. 6 A. Ideal as a power supply for other appliances, for the automatic charging of lead-acid batteries etc. Heavy-duty charger, for use from 220 V mains.

⑥ **Single-Cell Nicads.** Sintered-cell nicads of different sizes for assembly into nicad packs.





Wing span 880 mm

Wing span 1.6 m

MULTI PLEX
modell

Tiny

Order No. 21 4004

...it really flies!

Tiny is a hand-launch free-flight model, almost ready to fly. It has been specially developed for the newcomer to aero-modelling. The well-thought-out construction allows quick and easy assembly, giving a perfect finish. Die-cut balsa wings, fittings in crash-resistant plastic.

Styro

Order No. 22 4202

More time for flying!

Styro is made completely out of a special stress-resistant polystyrene foam and is assembled from a small number of ready-finished parts. May be used for free flight or with radio control on rudder and elevator. A special plastic motor mount is included for use should the model be equipped with an engine.



Wing span 1.28 m

MULTI PLEX
modell

Kitty

Order No. 22 4204

Lots of excitement at little cost!

Electric flying is not only for the experts: the Kitty proves this once and for all. The few well thought-out parts together with the complete electric drive make it a quick and easy matter to build this attractive, easy-to-control model. Fuselage, wings and all control surfaces are constructed of a special coloured high-resistance polystyrene foam.

Filius

Order No. 21 4055

It's – not – always hard to begin!

The Filius is an absolute best-seller among RC trainers. Its simple construction, with for the most part preformed parts, and its good-natured flying characteristics have made it popular throughout the world. From a tow-start it is capable of long gliding flights and it also responds admirably to thermals. With this model the beginner can seek out and conquer his first thermals.

Alpha Alpha H

21 4000

21 4003

Just keeps on flying!

Aerodynamics don't go out of style! The Alpha was designed many years ago and is still one of the most popular models of its type. Its competition successes are numerous and are proof of its all-round capabilities. The model is available in an ARTF version with epoxy fuselage and built-up wings and control surfaces (Alpha) or as a conventional all-wood kit (Alpha H.)



Wing span 1.8 m



Wing span 2,8 m



Wing span 2.52 m

Hobby

Order No. 21 4006

Quickly built and smoothly flown

Hobby is an r/c glider of the new generation. The wing is ready built and finished in high-quality veneer; the fuselage is made in wet-on-wet epoxy resin; the control surfaces and fuselage inserts are die-stamped and sawn; included in the kit are all accessories, a transparent canopy, an easy to follow plan and detailed assembly instructions: all of which combine to make a model which is easy and quick to build. The Hobby flies on rudder and elevator control. It is extremely robust, which is especially important for the beginner in aero-modelling. The experienced pilot can depend on the model's strength and durability in all aerobatic manoeuvres.



Wing span 2.56 m

Flamingo

Order No. 21 4120

Successful throughout the world

The Flamingo high-performance r/c glider was originally designed by a specially-developed computer programme as a competition model for Class F3B. In this class it has often demonstrated its extraordinary abilities. In addition however its amazing performance in speed, distance and time flying have made it increasingly popular with hobby pilots. Its racy appearance, its versatility and attractive combination of colours have made the Flamingo a favourite all around the world.

Akro

Order No. 21 4016

A racy slope-soarer and skilled aerobatic model

The Akro is a successful development in the aerobatic and slope-soaring class. Its construction lays special emphasis on manageability, short assembly time, robustness and sensitive control. A special feature of this model is the one-piece, veneer-covered foam wing with pre-sized, pre-formed leading edge. Because of its profile the Akro is fully aerobatic. All figures, whether positive or negative, can be flown at top speed. The canopy is moveable and makes an effective air brake, which considerably simplifies the landing procedure.



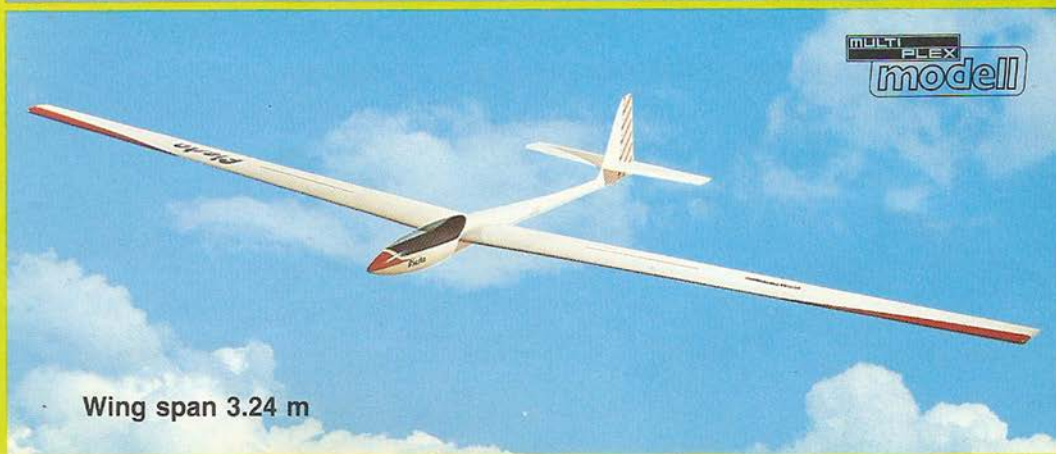
Wing span 1.8 m

Fiesta

Order No. 21 4020

Fly Fiesta – towards the sun!

The Fiesta is one of the most modern r/c high-performance gliders in the 3-metre class. The Wortmann profile used for this model is often used on full-sized super-gliders. Optimal use of thermals, very good glide coefficient and wide range of speed are the distinguishing characteristics of this model. The installation of spoilers is described on the building plan and is recommended. The Fiesta is then suitable for r/c class IV competitions and for club contests of all types.



Wing span 3.24 m

MULTI
PLEX
modell

Alpina

Order No. 21 4012

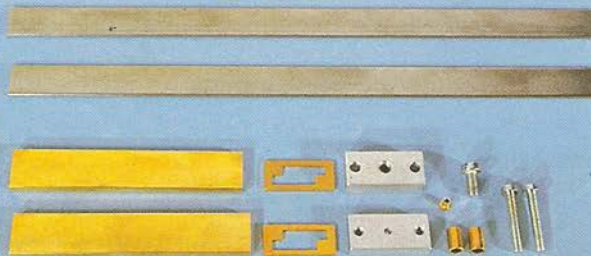
A dream come true

The Alpina is the flag ship of the MULTIPLEX sail plane fleet. In the construction of this model it was deliberately decided not to copy a full-sized glider. Thus we were able to design a model taking full account of all the latest knowledge of aerodynamics and moulding. The capabilities of the Alpina speak for themselves! The building of the model takes relatively little time. The wings are covered with high-quality veneer, as are the control surfaces; the fuselage in epoxy resin GRP is ready finished in white; all accessories, die-stamped wood parts for the inner construction, detailed instructions and an easy-to-follow plan are all included in the kit. The result is a stable and attractive aeroplane in the 4-metre class. The extreme strength of the model has been proven in breakage test: this allows the experienced pilot to perform aerobatic manoeuvres with complete confidence.

Wing span 4 m



Order No. 72 3149 for 2.2 to 3.2 m wing span
Order No. 72 3150 for 3.2 to 4.3 m wing span



Also shown Wing Attachment

Order No. 72 3149

Alpina System

72 3150

The steel pieces are held fast in the wings with the central piece. For this a special fastener has been developed. This type of wing attachment has proved itself in use. It is also ideally suited for use in smaller models and makes the awkward and unsafe use of rubber bands a thing of the past.

Bravo

Order No. 21 4010

This model has been designed for the beginner. Its outstanding flying characteristics enable the newcomer to try his hand at model flying with only the smallest risk. The robust construction will withstand even the rather rough handling which can be expected during the first attempts at controlling a model plane. The model is built in the usual way of balsa and ply wood. All parts are pre-finished as far as possible. The accessories necessary for assembly – including landing gear and engine mount – are included in the kit and need not be purchased extra. An ideal model for beginners and hobby pilots.



Wing span 1.4 m. For 3.5 cc motors and above

Rodeo

Order No. 21 4025

A genuine engine powered trainer in built-up construction. Its good-natured flying characteristics, its aerobatic abilities, simple and robust construction, versatility and economical price all make this model stand out. Club contests, flying shows, training, races, balloon bursting, hobby flying – you really need a Rodeo.



Wing span 1.6. For 6.5 cc motors and above.

MULTI PLEX
modell



Wing span 1.44 m. For motors from 6.5 cc



Morane Rallye Order No. 22 4200

The Morane Rallye is a semi-scale model of the original. The model has „inherited“ the goodnatured flying characteristics and the typical flying style of the full-size aircraft. With this model circuits, take-offs and landings can be carried out exactly as the original. For pilots who are rather less interested in competition flying or aerobatics – although the Rallye can be used for both. Hobby pilots who enjoy flying scale models will find the Morane Rallye just up their street.



MULTI PLEX
modell

Wing span 2.225 m. For engines from 10 cc

Big Lift

Order No. 21 4090

The work horse in the MULTIPLEX range

As a tow-plane for gliders the Big Lift is the most successful model of all time. Four German championships – from 1974 to 1980 – of the German Model Flyers Association were won using the Big Lift as tow-plane. No other model has had such success. Whether as a club tow-plane, as a trainer or as an easy-to-fly machine for hobby pilots, the Big Lift has assured its place on model flying fields throughout the world. Built-up construction with most of the parts pre-finished, all accessories, landing gear, struts with bearings, indestructible cowl, an easy-to-read plan and detailed instructions are all included in the kit. Big Lift – a good-looking model with outstanding flying characteristics.

AMPS-Rapier Order No. 37 4330

With the „Rapier“ we offer a 1/8 th scale racing car built on the same principles as the fullsize Formula cars.

Features which have been accepted as normal in full-size cars for over 20 years and which helped Jack Brabham win the World Championship in 1959 and 1960 are now offered for the first time in a standard production r/c car.

An absolutely distortion-proof chassis (obtained in the full-size by grid-frames or mono-coque) is achieved in the Rapier through screwing down the rear axle bearing and engine mount, 3 mm thick GRP plate for radio installation, front axle bearing and 3 mm thick GRP chassis plate. Single-wheel suspensions and springing on transverse steering rods. The geometric positioning of the axle suspension has been optimised by computer programming.

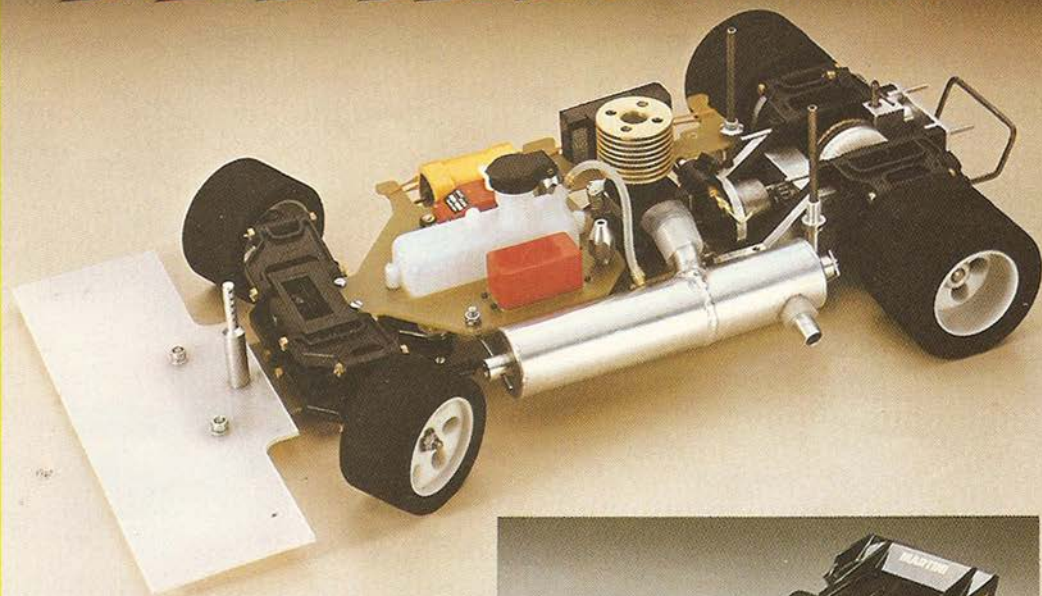
Adjustable helical springs on each single-wheel suspension.

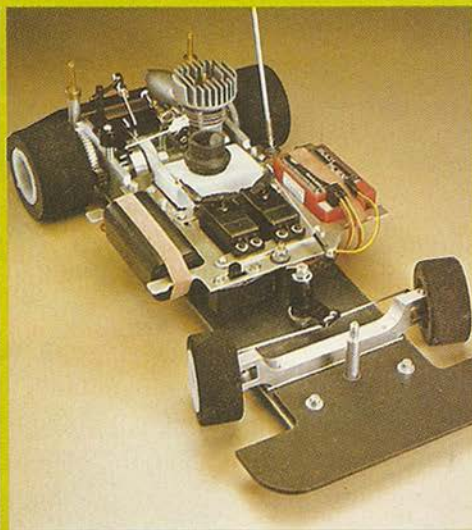
Outstanding weight distribution through use of „in-line central motor“.

Car kit comes complete with all parts required for assembly but without body, engine or silencer.

Rapier with Lotus 80 body Order No. 77 4331

RAPIER AMPS





Cobra 12

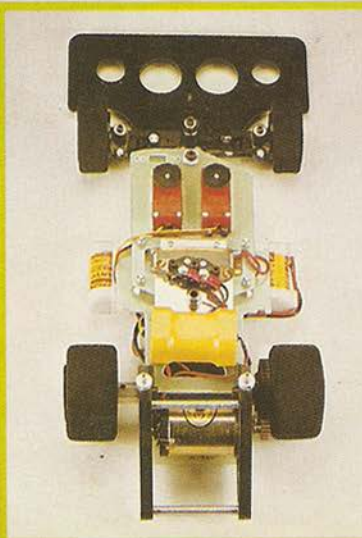
Order No. 37 4338

You want to get into r/c cars? You want a car which gives you high speeds at a low price, can be handled easily and without of fun and makes the right noise? You want the Cobra 12.

The Cobra 12 is powered by a 1.7 - 2.5 cc motor, is for 2-channel radio control, needs a 2 V starter nicad, a glow clip and fuel. That's all the equipment you need to start.

Technical Data:

Overall length:	380 mm
Overall width:	180 mm
Wheel base:	225 mm
All-up weight:	1100 gms.



BMW RC-12 GT

Order No. 35 4348

You like things quiet? The BMW RC-12 is an electric car with all you need to keep you front. These characteristics all help to give the BMW RC-12 Gt its optimal road holding abilities: low C. of G., differential, flexible supports on the radio plate (to minimise the effects of the springing on the GRP chassis plate), precise front-wheel steering by means of heavy-duty ball links.

Technical Data:

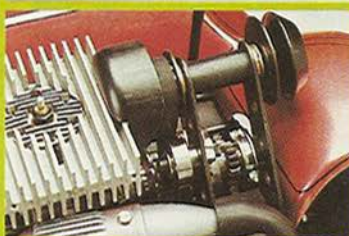
Overall Length:	37.5 cm
Width:	17.0 cm
Wheel Base:	20.00 cm
Weight without Radio:	550 gms. approx.

Kangaroo

Order No. 37 4375

Who wouldn't like to go out in the sunshine and drive a buggy through the dunes or along an empty beach or perhaps take part in a cross-country race.

The Kangaroo GX gives you the opportunity to enjoy these pleasures in a slightly different form. This 1/8th scale buggy is just as much at home as its big brothers on sand, gravel or grit. With a good motor it doesn't lag far behind the full-sized buggies in terms of acceleration and top speed. In short, a vehicle that offers lots of active fun at a reasonable price.



Scorpion

Order No. 37 4360

A stock car for the toughest competitions. For 3.5 cc engines.

Trial 12

Order No. 35 4370

An electric buggy whose robustness makes it a firm favourite. The 3-speed gear box – manual gear change – means it can be adapted to any surface.





„Amphi“ and „Amphi-Truck“:

Two vehicles which provide lots of fun on the beach, in the water or in the garden.

The Amphi-Truck rides and swims like its „brother“ Amphi but can do even more. On the beach it can be used to carry all sorts of things – and not only on the sand itself but in the water too. That makes it an ideal form of transport between deck chair and air bed. All you need is your imagination.

Amphi und Amphi-Truck are supplied in kit form. Assembly of the more or less finished parts is not difficult and can be successfully accomplished even by the newcomer to kit construction. The kit contains all the necessary parts such as ABS deck and hull, wheels, axles, both motors with mounts, gears, speed controller and switch for use in water, propeller, prop. schaft with stern tube, rudder with casing, various accessories, decoration, plan und detailed instructions.

Technical Data:

Length:	480 mm
Width:	220 mm
Wheel Base:	235 mm
Front Track:	245 mm
Rear Track:	260 mm
Weight:	app. 3 kg

Amphi-Kit
Amphi-Truck

Order No. 35 4380
Order No. 35 4383

RC-Electric Racing Boat HAI

Order No. 25 4160

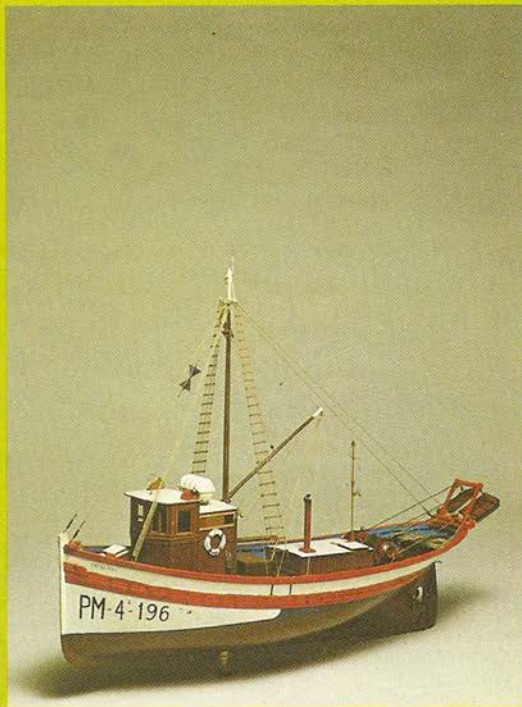
The Hai is a Class F 1 - E racing boat, over 1 kg. It stands out because of its high top speed and extraordinary manoeuvrability. The boat is made in crash-resistant, ABS and is both light and robust. Assembly is easy and quick.



Model Yacht Safir

Order No. 25 4163

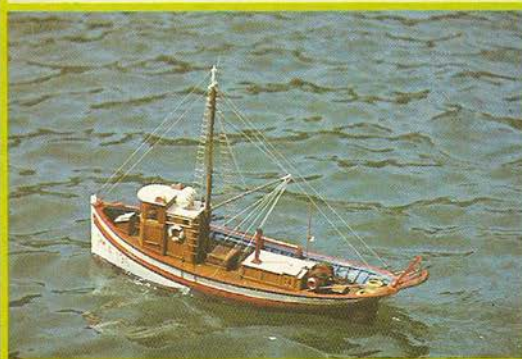
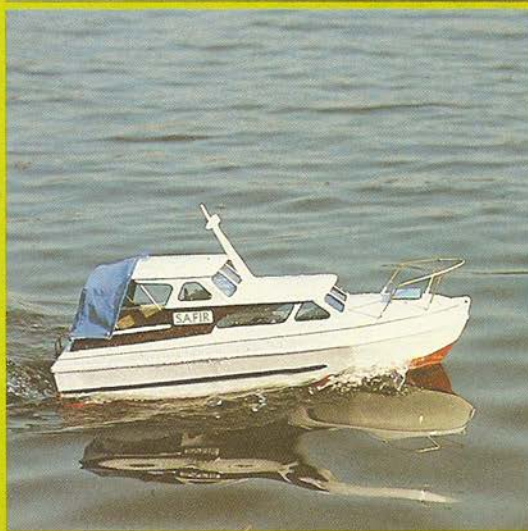
A dashing yacht for electric power. Its elegant lines and simple robust construction are the distinguishing features of this attractive model. Detailed instructions with photos of the various stages of construction together with a full-size picture of the model on the plan make it easy and quick to complete this smart yacht.

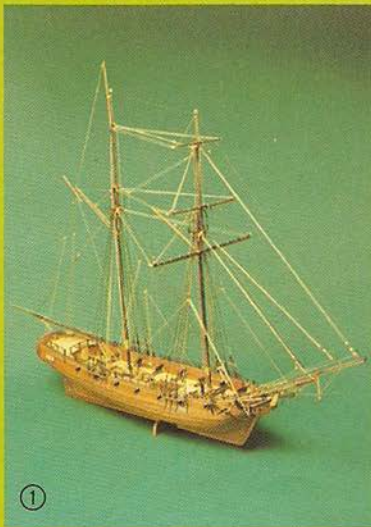


Cap de Pera

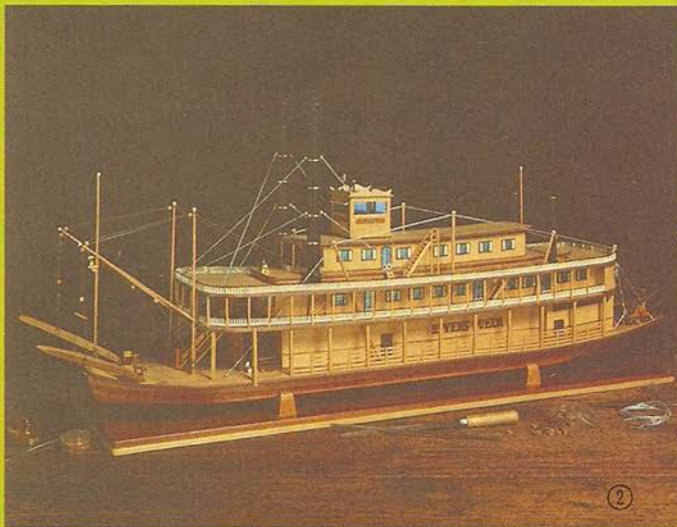
27 4394

Scale model of a spanish fishing boat, as used today on the Mediterranean. Wooden construction in the style of historic ship models. A real catch for the enthusiastic model boat builder. The Cap de Pera can be used on the water but would also be the pride of any collection.





①



②

① Enterprise Order No. 27 4393

At the beginning of the 19th century the schooner „Enterprise“ was the only war ship which the US navy was able to deploy to protect their merchant ships from the pirates in the Caribbean.

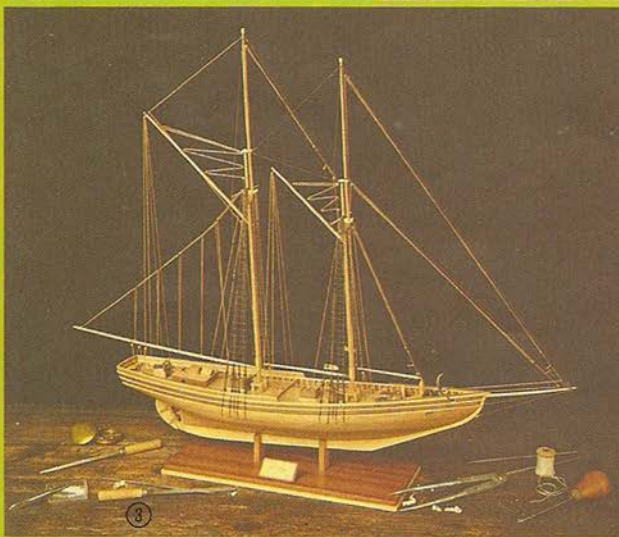
Overall length: 750 mm

② Rivers Queen Order No. 27 4395

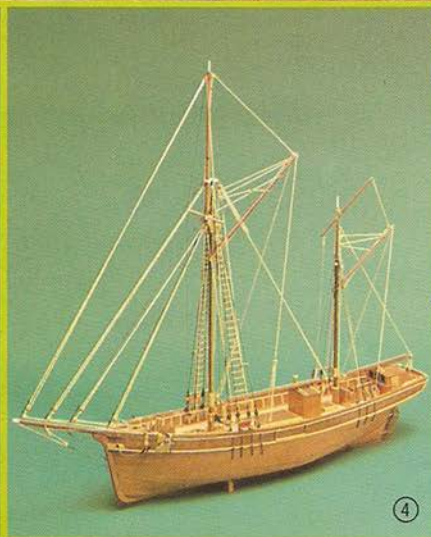
These ships are legendary: they document part of the history of America's Southern States. Many books have been written and many films made about life aboard these river boats.

The Rivers Queen is an exact 1/50th scale replica of one of these paddle steamers. All the details have been carefully and lovingly executed.

Overall length: 66 cm



③



④

③ Gladys Order No. 27 4398

This schooner was typical of those used for deep sea fishing in the North Atlantic. It was built and used in the period from 1870 to 1920. In their way these ships had reached the highest point of development of sailing ships. Their shape was very similar to present-day sailing yachts.

Overall length: 67,5 cm

④ Clara May Order No. 27 4391

Most of the merchandise which was transported along England's West Coast was carried in two-masted coastal vessels.

The Clara May is an example of such a ketch, which because of its rigging is manoeuvrable enough to enter quite small harbours and also to withstand rough seas.

Overall length: 49,5 cm

Hirtenberger Motors

These top performance engines have proved themselves time and again in contests and in normal flying. Careful production and quality control techniques using the most modern electronic measuring instruments guarantee that the quality is always of the highest. Characteristic features of the "Gold Cup" series are the hardened chrome cylinder, the precisely flanged piston ring, the hardened con rod and the "Thermex" coating for optimal heat dissipation.

Serviced by Prof. Dr. Ing. Peter Demuth
7505 Ettlingen, Hußstraße. 4



40 1090

40 1077

40 1039
40 1040

40 1053

Thunder Tiger Motors

The ideal aero-motor for everyday use. The solid construction guarantees reliable running and good throttle adjustment. This is not intended to be a high-performance motor but offers simple handling and long life. The matching silencer is included with every motor; it is effective in reducing the exhaust noise of the engine. Spare parts and servicing available from the MULTIPLEX Service Department.

Especially economical!



41 1201

41 1205

41 1210

Permax Electric Motors

Economical high-quality electric motors for all types of modelling use. Features such as 5- or 7-pole armature, composite magnets, self-lubricating sintered bearings etc. make these motors extra robust and long-lasting.

For all types the correct adjustable mounting is available extra (see below): these may be used for motors with and without gearing.

Permax 13 6 V or 12 V

Output max. 5.5 W; suitable for smaller models. Diameter 27 mm, length 32 mm

Permax 25 6 V or 12 V

Output max. 13 W; for small to middle-sized models. Diameter 27 mm, length 42 mm

Permax 60 6 V or 12 V

Output max. 35 W; for middle-sized models.

Permax 110 8 V

Special motor for electric flight or racing boats. Output max. 125 W; diameter 42 mm, length 60 mm.

Permax Geared Motor

Many of the Permax Geared Motors are also available with flanged reduction gear. Depending on type reduction is between 2.75:1 and 5:1.



33 2587 (6 V)
33 2588 (12 V)



33 2589 (6 V)
33 2590 (12 V)



33 2591 (6 V)
33 2592 (12 V)

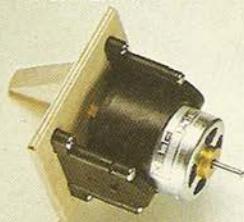
33 2595 (12 V)



33 2557 (8 V)



Permax 13



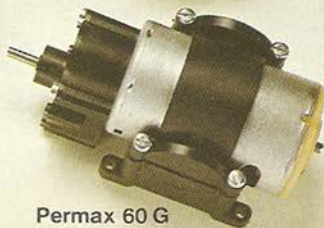
Permax 150 G



Permax 25



Permax 60 G



Multipoxy

Resin Order No. 60 2734
Hardener Order No. 60 2735
Release Agent 68 2737

This epoxy resin can be used in all types of model building. Genuine allround usage. When used for moulding the wax release agent must be used.

Coverite Film

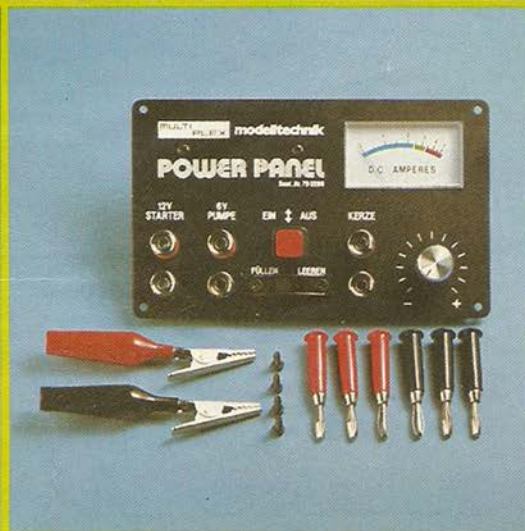
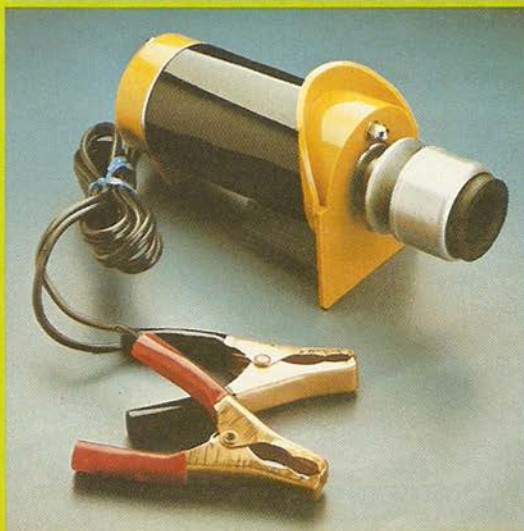
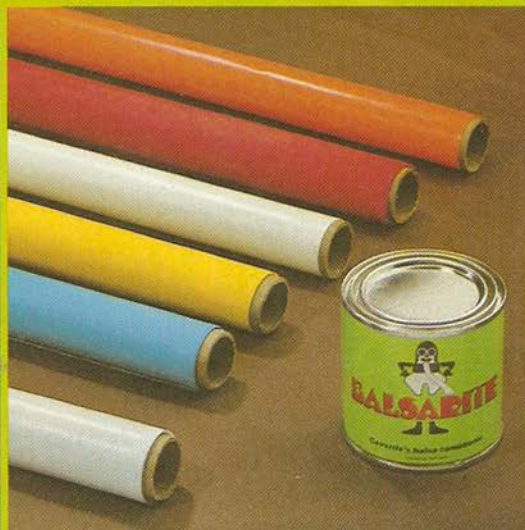
New-type covering material with textile or fleece base. Plastic coating makes it heat-shrinkable. Used like iron-on film. To increase its adhesive qualities it should be treated with „Balsarite“ before use.

Electric Starter

Order No. 45 3297
Specially robust electric starter for motors up to 15 cc. Strong crocodile clips ensure good contact. Hand switch built into starter.

Power Panel

Order No. 79 3298
Ready for installation, complete with cable. Has many types of output socket: adjustable glow plug voltage, fuel pump etc. For use with 12 V battery.



**MULTI
PLEX**

Radio Control

W GERMANY



**OLYMPIC
AEROMODELS**

(M. KARDARAS) IMPORT - EXPORT

ΟΤΙ ΔΕΝ ΒΡΙΣΚΕΤΑΙ ΠΑΝΤΟΥ ΤΟ ΒΡΙΣΚΕΤΑΙ
ΣΕ ΜΑΣ ΚΕΡΔΙΖΟΝΤΑΣ ΧΡΟΝΟ ΚΑΙ ΧΡΗΜΑ

GANOGIANNI STR. 40 GOUDI ATHEN GREECE TEL. 7750586

Zacki

(super fluid)

Order No. 59 2702

Zacki D

(viscous)

Order No. 59 2704

The essential contact adhesive with a multitude of uses. Zacki super fluid penetrates into all the places to be glued. Zacki D viscous is spread over the area to be glued. Both types dry – depending on the material used – in 3–30 seconds. Zacki has a place in every workshop. Glues all types of wood and metal, rubber and most types of plastic. On the flying field Zacki is ideal for quick repairs. Many day's flying have been saved by Zacki!



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PLEX**

modelltechnik

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