Gö-3 Minimoa

royal-model

Building instructions

1/5 semi-scale sailplane

Thank you for your purchasing the veteran-sailplane model kit Minimoa. Minimoa symbolizes the year thirties of the German soaring. Vintage glider are known for their great look and gentle flying behavior. They are some of the greatest thermal ships you can fly and are a real joy.

This model is intended above all for experienced model builders, who will best appreciate the beauty of its quiet flight. You will make the most of its flying qualities during thermal soaring, but this sailplane is also good at slope-soaring.


3400 mm


SD 7055


1380 mm


2500 g


72 dm^2


A,E,R

Kit includes: **:** Fiberglass fuselage, wings and tail unit balsa and plywood construction, canopy frame, clear canopy, hardware, stickers, building instructions

To finish the model you need:

* cyanoacrylate adhesive
* 5-min epoxy glue
* common modeller's tools (sharp knife, drilling machine, screwdriver, fine round file, sandpaper)

To fly you need:

* 4 channel RC set and 4 servos (at least 2 of them micro size)

CAUTION! You are responsible for running this model. A damage to property or health might arise by improper use of this product. This is why you have to keep a safe distance from the buildings and other developed areas when flying. Make sure that you are the only one who is flying on the same waveband.

The product may only be used by the children over 14, supervised by adults.

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FINISHING THE MODEL

The glider is ready to fly right after the installation of the RC set..

Fuselage:

Fitting the rudder cable:

Drill a hole at the point of the cable outlet in the fuselage rear section. Cut the cable hose to the required length, introduce the cable hose into the fuselage through the drilled hole and through the hole available in the fuselage bulkhead, and after this, stick it on at several points. Take the cable inner tube with wireline, threaded end piece (terminal) and screw-on the fork (to be fitted later on the rudder control lever) and introduce it into the cable hose.

Fitting the elevator cables:

There are two elevator cables, which are to be fitted using the same procedure as in the case of the rudder cable. The cable inner tubes, through which the wirelines are run, are connected by the cable (tie) joint (to be found in the kit) in the servo area. A short length of the inner tube with the fitted screw terminal and screw-on fork extends up to the servo.

Fitting the elevator and the rudder:

Stick the rudder post in the fuselage and screw the elevator to the fuselage, fixing it in position perpendicular to the fuselage as viewed from above. Using a drill ∅ 4 mm, bore through the fuselage from the rear to make a hole ca 20 mm deep. Unscrew the elevator, introduce a beech pin in the elevator hole and stick it there. This beech pin assures that the elevator will not turn. Using a sharp knife, make cuts for the hinges in the elevator and horizontal rudders. In doing so, take care that all oft them are in line. Following this, stick the hinges with the five-minute epoxy cement. Then fit the control levers to the elevator rudders.

Make cuts for the hinges in the rudder post and in the rudder using the same procedure as that used for the elevator and stick the hinges. Stick the rudder control lever and attach the cable.

Fit the landing wheel to the fuselage.

Cut holes for the servos in the servo board and stick the board in the fuselage. Insert the servos into the holes and screw them. Fit the screw terminals to the cables, fix the terminals by pinching them with pliers and screw on the forks. Then fit the forks on the servo levers.

Cut out the cockpit parts and paste them together and, if necessary, slightly shape the cockpit so that it perfectly fits the fuselage. The cockpit is attached by a pin and by the cockpit lock. Drill a hole into the small scantling, insert the pin into the hole and stick it over with the use of a short length of the cable. Take the wooden scantling with the pin and paste it on in the front part of the overlap. File out holes for the cockpit lock in the fuselage behind the cockpit and paste up the lock.

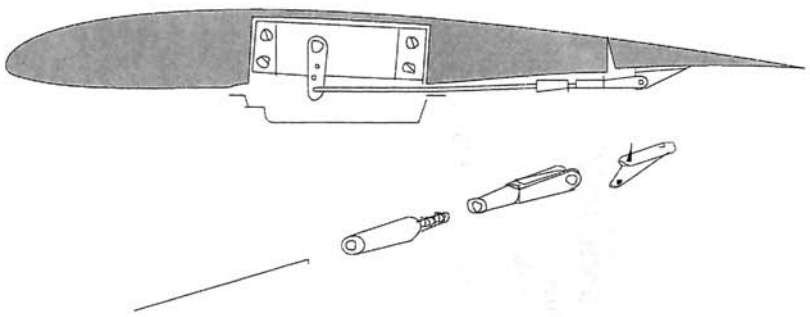
Wing:

With a sharp knife, make cuts for the hinges in the wing and in the ailerons and paste them up using the same procedure as that used for the elevator and rudder hinges. Stick the control levers in the ailerons.

Taking care, cut out the foil from the cavity for the aileron servos.

Guide the extension cable with the end piece removed from the wing centre section through the servo cable hole and connect it (best by soldering) with the servo cable. Fit the single-arm lever on the servo and attach the servo in the servo cavity by means of a bonding tape. Fix the ailerons in netral position with a small piece of adhesive tape. Cut the prepared cables to the required length, solder on the screw terminal and screw on the fork. Fit the cable into the servo lever and connect the fork to the aileron lever. Provide the servo with the plastic cover, fixing it in position with the bonding tape or quicksetting glue.

Using the five-minute epoxy cement, stick the beech wing-pin into the wing butt rib.

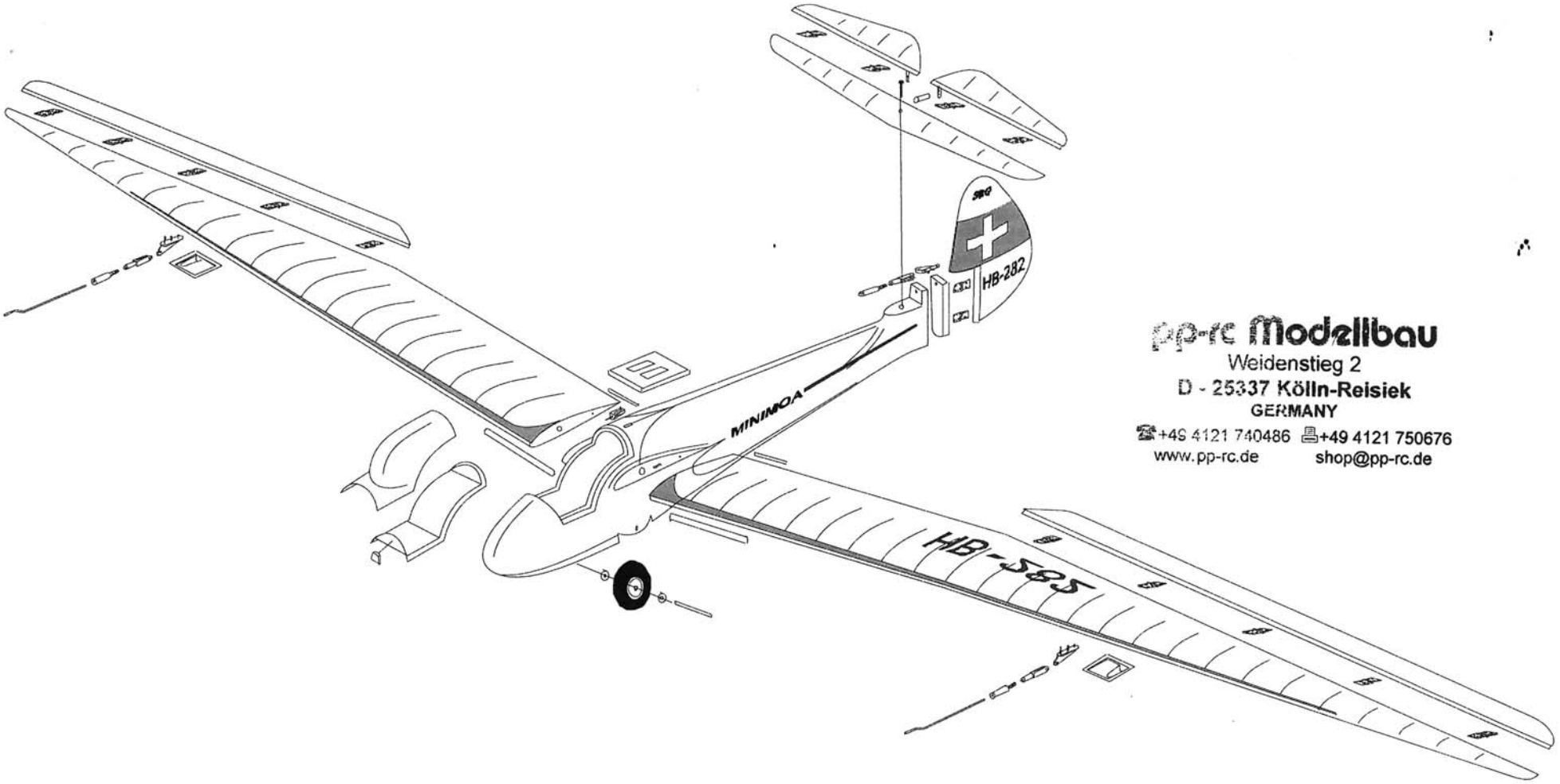


Completing the model:
Put on the decorative stickers according to the attached instructions. Insert the receiver and a battery into the fuselage and cover both of them with foam rubber for protection. Connect everything and assemble the whole model. The centre-of-gravity position must agree with the given position. If required, add weight to the model, thus making it ready for flying.

FLYING

Check the centre of gravity position (115 mm), add some lead if necessary, don`t forget to check the symmetry of the whole model. Once on the field, first check the function of your RC set and check the range, too. Calm wheather is the best for the first flights. Try hand launching, trim if required for optimal gliding. Provided that everything is in order, you can go for the maiden flight, with a charged battery of course.
Besides the slope soaring it is possible to install a tow hook and use a set for high-altitude launches for thermal soaring.

Have a lot of fun and many happy landings with your **Minimoa**



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