Slite V2

Building instructions

Please read these assembly instructions and the supplement for proper use
Start construction carefully and go through the construction step by step.

GENERAL ABOUT THE MODEL
The following detailed changes have been made to the Slite V2.
- The flat plug consists of 4mm spring steel and is now seated in the tubular spars.
- The mating surfaces can be secured either with adhesive tape or with the enclosed
Safety clips take place.
- The surface is fastened with a screw and a surface anchor in the main bulkhead
of the trunk engages.
- The tailplane was profiled.
- The fuselage and vertical stabilizer geometry has been changed.

In all test models, ORACOVER was used for the fuselage and for the wings and tail unit
ORA LIGHT used.
Rope linkages can be implemented at your own discretion.
The adhesive information can be found as a pictogram in the respective sections of the assembly instructions.

TOOLS AND ADHESIVES
Balsa knife, balsa plane, sanding board 100 and 180 grit, key files, drill Ø2.0mm,
3.0mm and 5.0mm, fine hacksaw, soldering iron, foil iron.

Superglue thin	Superglue thick
UHU plus Schnellfest or 5-minute resin	UHU Plus Endfest

1

Assemble the slipway for the central part from parts A1 to A4 and W1.

2

- Glue the counterparts F30 for the safety clips into the ribs F29.

- Glue the plywood ribs F28 to both sides of the root ribs F29.
  Make sure that no glue gets into the clip link.
  Tip: As an aid for gluing together, insert the locking pin F103 into the 2mm holes.

- Glue the plywood ribs F3 on both sides of the central rib F2.

3

- The holes for the spar F1 in the root ribs may need to be reworked a little so that the predetermined angle W1 can be set.
- The ribs F5 to F25, the midrib and the root ribs with their feet in the slipway stuck.
  Make sure that the feet are resting on the building board.
  Note: The half-ribs are only inserted later.

- Carefully push the handlebar F1 through the holes in the ribs with a twisting motion.
  Tip: Use the RK1 rib comb as an aid.

- Insert the servo plate F4.
- Check all ribs again for the correct position and glue them to tubular spar F1.

4

- Glue the trailing edge F31 and the leading edge F32.

- Take the area out of the slipway and use the half-ribs F6 to F27
  Align and glue the rib comb RK1.

- Cut off the protrusions of the leading edge and the spar with a fine saw and grind.

5

- Glue the flap box from the base plate F33 and the two frame parts F34 together.

- Glue the finished flap box in the middle of the recesses in the surface.

- Glue together the flap from the lower part F35 and the upper part F36.

6

- Adjust the lower cladding F39 and glue it on.

- Glue the filler pieces for the screw head F37 and F38 on both sides of the central rib.

- Adjust the upper paneling F40 and F41 and stick it on.
  First glue the front paneling F40 to the top of the ribs and to the flap box
  and then secure the planking to the leading edge with the help of adhesive tape.

7

- Adjust struts F42 and F43 and glue in place.

- Glue the plywood reinforcements for the trailing edge 5 - 25 to the respective rib.

8

- Glue together the slipway for the inner part of the outer surface from parts B1 to B4.

- Glue the angle W1 at the interface to the inner surface.

- Glue the angle W2 at the interface to the outer surface.

9

- Cut the tubular spar F44 in the middle.

- Glue the plywood rib F45 to both sides of the root rib F46.
  Tip: As an aid for gluing together, insert the locking pin F103 into the 2mm holes.
  If necessary, rework the hole for the bar so that the angle F1 can be adjusted.

- Put the ribs F45 to F70 in the slipway.
  Make sure that the feet are resting on the building board.
  Note: The half-ribs are only inserted later.

- Carefully push the handlebar F44 through the holes in the ribs with a twisting motion.
  Tip: Use the RK1 rib comb as an aid.

- Check all ribs again for the correct position and glue them to the tubular spar F44.

10

- Separate the leading edge F72 in the middle.

- Glue the trailing edge F71 and the leading edge F72.

- Take the area out of the slipway and use the half-ribs F47 to F69
  Align and glue the rib comb RK1.

- Cut off the protrusions of the leading edge and the spar with a fine saw
  and grind.

11

- Adjust struts F42 and F43 and glue them in place.

- Glue the plywood reinforcements for the trailing edge 49 - 70 to the respective rib.

12

- Glue together the slipway for the outer parts of the outer surface from parts C1 to C4.

- Glue in the angles W2.

13

- Cut the tubular spar F73 in the middle.

- If necessary, rework the hole in the rib F74 for the bar so that the angle W2 is set
  can be.

- Put the ribs F74 to F88 in the slipway.
  Make sure that the feet are resting on the building board.
  Note: The half-ribs are only inserted later.

- Carefully push the handlebar F73 through the holes in the ribs with a twisting motion.
  Tip: Use the RK2 rib comb as an aid.

- Check all ribs again for the correct position and glue them to the tubular spar F73.

14

-Grind the ribs F86, F87 and F88 a little at the front for the leading edge.

- Separate the leading edge F91 in the middle.

- Glue the trailing edge F89 and the leading edge F91.

- Cut the spar flush with the rib on the edge curve side.

- Glue on the edge arch F90.

- Take the area out of the slipway and use the half-ribs F75 to F85
  Align the rib comb RK2 and glue it in place.

15

- Cut off the protrusions of the leading edge and the spar with a fine saw and grind.

- Glue the rib flags 74 to 88 onto the respective ribs.

- Sand all parts of the surface.

16

- Connect the outer surface parts using the surface connector F92.

17

- The surface mating for the surface center piece from parts F93, F94, F95 and the Put the brass tube F96 together and glue it.

- Fit and glue the filler pieces F97.

- The surface mating for the outer surfaces from parts F98, F99, F100 and the steel wire Glue F103 together.

- Fit and glue the filler pieces F102.

- Grind the connectors so that they fit slightly tightly into the tubular spars.

18

- Glue in the flat connections flush.
  Attention: no glue may get into the surface connector.

- Remaining pieces of balsa wood of equal thickness between the surface parts in front of and behind the joint
  (e.g. of the board 76.15).

- Carefully push the surface parts together. The connections must not move further Push into the tubular spar and secure with clamps.

- Glue in the locking pins F103.

19

- Glue the slipway from parts D1 to D4 together.

- Glue together the middle piece for the horizontal stabilizer from ribs H2, H3 and H4.
  Warning: the parts are very fragile.

- Put all your ribs in the slipway with your feet. The feet must be good on the building board rest.

- Insert the ends of the ribs with the pins into the corresponding recesses in the H16 end strip.

- Push the tubular spar H1 through the holes in the ribs.

- Align everything and glue it together.
  Make sure that the rib feet are resting on the building board.

20

- Cut off the protruding ends of the spar H1 with a fine saw.

- Glue on the edge arches H17.

- Assemble the leading edge from parts H18, H19 and H20 on the plan and stick together.

- Adapt and glue the leading edge to the tail unit.

- Glue on the upper and lower cladding H30 and H31.

- Grind the tail.

21

- Glue together the elevator from parts H21 to H29.

- Grind the elevator according to the profile course (see fuselage side view).

- Grind the clearance angle.

22

- Glue the vertical stabilizer from parts S1 to S6 together.

- Glue together the rudder from parts S7 to S14.

- Round off the leading edge of the vertical stabilizer.

- Grind the rear edge of the rudder (see torso supervision).

- Grind the clearance angle.

23

- Make a LEFT and a RIGHT side panel.

- Glue the stiffeners R2, R3 and R4 flush on the outer edges of the side parts R1.

- Glue in the stiffeners R5 - R8.

24

- Double the bulkhead R11.

- Glue the frame R9, the servo board R10 and the frame R11 at right angles to a side part R1.
  Note. The notches in the frames always point upwards.

- Glue on the second side part.

25

- Glue in the frames R12 and R13. Make sure that the trunk is symmetrical.

- Glue the surface bracket from parts R15 and R16 together.

- Glue in the nut R49. Make sure that no glue gets into the thread. 5

- Glue the wing bracket into the fuselage. The mother must point downwards.

26

- Glue on the lower fuselage sheeting R18 to R23.

- Glue in the reinforcement for the high-start hook R33.

27

- For the fuselage flap, glue parts R28 and R29 together on the front sides.

- Glue the doubler together for the fuselage flaps R30 and R31. The slot for the
  The locking magnet points to the rear.

- Glue the Doppler in the middle of the flap.

- Glue the reinforcements R32 to the side of the Doppler R30 / R31.

28

- Glue the front fuselage planking R24 flush at the front.

- Glue the cladding parts R25 and R26 together.

- Place the magnet holder R26 with the slot for the locking magnet on the front
  Glue the R25 cladding.

- Glue the magnets R48 into the slots with the correct polarity. 5

- Place the fuselage flap on the fuselage and the rear planking with a gap of about 0.5mm
  Glue between the planking and the fuselage flap.

- Glue the fuselage nose from three parts R42 together.

- Glue the nose of the fuselage to the fuselage. Sand the hull.

29

- Glue the support at the front AV and rear AH together and on the marked areas
  attach to the plan.

- Push the tail boom R50 through the holes in the ribs and the
  Place the trunk in the supports.

- Align and glue everything.
  Tip: To help align, insert a leftover piece of 3mm balsa into the vertical tail slot.

30

- Adjust the filler piece R17 to the fuselage and glue it on.

31

- Glue together the pylon for the horizontal stabilizer from parts R39, R40 and R41.

- Glue in the nut R44. 5
  Attention: make sure that no glue gets into the thread.

- Glue in the R45 pins. The pylon is only glued on after covering.

- Glue in the guide tubes R46 and cut them off flush at the rear.

- Secure the guide tubes with 2 small pieces of foam in the tail boom.
  Tip: Alternatively, the guide tubes can be used along their entire length
  be glued to the inside of the tail boom. To do this, pull in the Bowden cables and use the
  Secure not yet installed magnets F107 and F108 on the outside of the fuselage. The Bowden cables
  R47
  Check for ease of movement and let superglue run along the inside of the pipes.
  Attention: Do not allow glue to get into the guide tubes.

32

- The holder for the adjustable high-start hook from the
  Glue parts R34 and R35 together.

- Cut off the high-start hook R36 at the bend and bend it again according to the drawing.

- Screw the high-start hook into the holder.

- Glue in the nut R38.

- Assemble the high-start hook with the screw R37 on the fuselage on a trial basis.

33

- Glue the magnets F108 under the flap box in the recess in rib F10.

- Stick the magnets F107 with the correct polarity (attracting) into the flap.

- For the covering we recommend ORALIGHT for the wings and the tail unit.
  Alternatively, ORACOVER can be used for the fuselage.
  The elevator and the spoiler can be attached directly with iron-on foil.
  Cover the underside of the spoiler first to avoid warping.

- Always cover the underside of the wing parts first.

- Fold the film approx. 2mm onto the top of the end strips and iron on.
  Processing information can also be found at https://www.oracover.de/.

- The rudder is only after gluing in the rudder with hinge tape or
  Iron-on film chipped.

34

- Glue in the rudder.

- Glue on the pylon for the horizontal stabilizer and sand down the protrusions of the R45 CFRP rods.

- Glue in the control horns for the rudder S15 and for the elevator H32.

- Mount the elevator and rudder servos.

- Bend the Bowden cables R47 in a Z-shape on the servo side and push them into the guide tubes.

- Cut the Bowden cables to length and bend them on the rudder side.

- Secure the ends with remnants of the R46 guide tube approx. 4mm long.

- Bring the spoiler servo into the "extended" starting position and attach the control lever.

- Bend the link wire from a remnant of R47. The linkage geometry is in
  Section A on the plan. Glue in the control horn F109.

- The spoiler servo is attached with double-sided adhesive tape.

- The guide tubes can be glued to the side panels of the fuselage using small pieces of balsa.

35

- The specified settings represent a basic setting for first flights
  and must be adapted to your own tax habits.

- Adjust the center of gravity to 75-78 mm behind the leading edge.

- The rudder deflections for the elevator to +/- 10mm
  for the rudder to +/- 30mm
  measured on the trailing edge at the lowest point of the respective rudder.

- The spoiler should extend approx. 80 °.

- Set the high-start hook for the first flights approx. 5mm in front of the center of gravity.

36

Please check the surfaces again for distortions and open the oars
check correct function.

Before starting - batteries charged? (also transmitter battery)
- Switch on the transmitter
- Plug in the flight battery.
- First try out the model in gliding flight.
  After throwing the model should have a smooth straight flight
  complete, it may have to be trimmed.
- If everything fits, the model can move against the wind on the rubber
  be started.
  If necessary, the climb must be done with small rudder deflections
  Getting corrected.
- The trim weights item no .: HK 145 or HK 100 can be used for ballasting
  be used.
  These are placed on a balsa board with the dimensions
  approx. 1.5 x 20 x 135 mm and are glued in the fuselage under the wings
  positioned.
  Have fun building and enjoy flying!