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Installation Manual

Decathlon 55 PNP Version

Zhuhai Edge smart drive technology Co., Ltd

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1 Open the box and take out the left and right wings, horizontal tail, rudder, landing gear kit, fuselage, wing support frame, tubes, spare parts, and propeller.





2 Take out the landing gear and wing support frame. Then, add a bit of blue thread lock screw glue to the tip of the screw. Then, align the holes of the landing gear with the holes of the fuselage, take out the wooden fittings and glue them to the landing gear, and then insert screws, be sure to tighten evenly.



3 Take out the horizontal stabilizer and insert it face up into the slot in the tail of the fuselage, be sure to insert it fully. Insert the wing tubes into the front of the fuselage. Look forward from the rear of the fuselage to make sure that the horizontal stabilizer and wing tubes are parallel, and then use adequate glue on the gap to affix the horizontal stabilizer on the fuselage.



4 Insert the rudder hinge into the slot of the vertical stabilizer, the bottom of the rudder and fuselage is kept flush, and there should be a gap of about 0.3mm (or about 4 sheets of printer paper thick) between the leading- edge (L.E.) of the rudder and the trailing- edge (T. E.) of the vertical stabilizer. Use appropriate glue to stick the hinge on the vertical stabilizer. After the glue is cured, take out the T2x12mm Phillips self-tapping gasket screw, and pass it through the slot of the aluminum plate of the tail wheel. Screw it into the hole at the bottom of the rudder.

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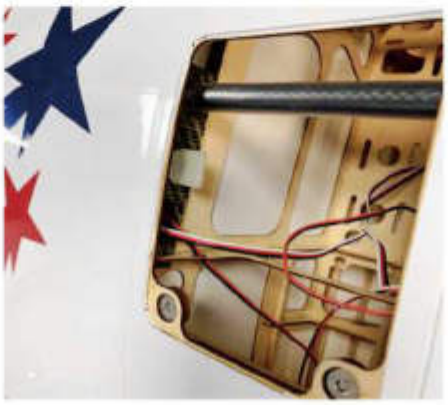


5 Take out the left and right wings and slide them on to the carbon fiber wing tubes. and tighten the M5 nylon screws. Then, place the fuselage bottom up and remove the screws at the bottom of the wings. If necessary, gently bend the tips of the wing supports so the ends are flush with the respective screw holes on the wings and fuselage. Be sure to align the large wing supports towards the leading edge of the wings, and the smaller ones towards the trailing edges.

Make sure the two holes overlap with the claw holes, and then screw in the two-wing support frame on the fuselage.

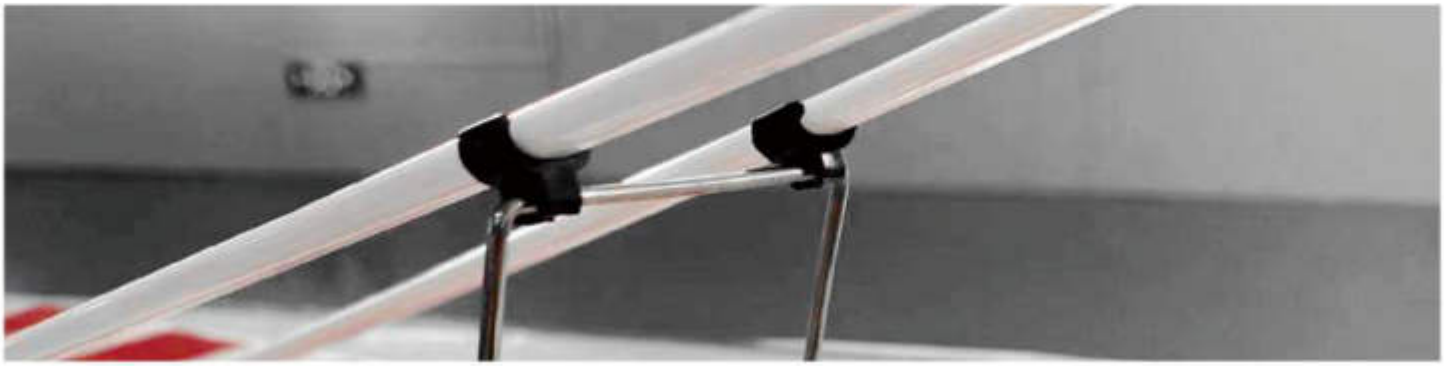
⚠ (**Note:** Do not tighten each screw all at once. The screws at both ends of the wing support frame should be screwed into the threads and then tightened one by one.)







6 Pull up the stainless-steel cable wing support frame on the wing, and then clamp the two black plastic pieces on the front and rear aluminum wing support frames. Then, adjust the aluminum wing support frame along the wing brace and the steel cable to make it straight.



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7 Insert the cable through the sleeve, and then thread the cable through the hole of the vertical stabilizer cable buckle, and then thread it back into the sleeve. After adjusting the tightness of the cable, use pliers to clamp the sleeve.

Repeat steps to affix the other end of the cable to the buckle on the same side horizontal stabilizer. Finally, cut off any excess cable. Then proceed to do the same on the other side.
(**Note:** Do not over tighten the cable because it can cause the horizontal stabilizer to not be level and affect flight characteristics.)





8 Pass the remaining two cables through the sleeve, make a loop, and then thread them back into the sleeves while leaving a cable loop with a diameter of about 3mm. Then clamp the sleeve with pliers. Next, remove the second tail wheel screw. Align the cable loop holes of the two cables with the tail wheel screw hole, and then reinsert the screw back into the fuselage. Finally, fix the other end of the cable to the pull buckle on the same side horizontal stabilizer from previous steps. Be sure to cut off the excess cable.







9 Take out the 4 ball joint connecting rods, install 1 of the 58.5mm on the left as well as the right wing. Next, install the 60.5mm on the rudder, and the 90.5mm on the elevator.







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10 Remove the screw from the tip of the spinner. Next, tighten the propeller onto the motor shaft as shown in the figure. Make sure the spinner 's back plate is flush with the propeller base. Add a little bit of blue thread lock to the tip of the screw, reinstall the spinner to the motor shaft, then tighten screw.







11 Important note: A 6-channel receiver is required / Navigation Lighting system: Designate a channel on the receiver as the lighting channel.

› There is a designated air outlet pre-cut into the balsa wood behind the bottom of the cowling on the bottom of the aircraft. To access, carefully cut the aircraft skin and balsa wood with a sharp blade. A hobby knife is recommended. Please refer to the picture below.









14 Age Recommendation: Not For Children Under 14 Years.this Is Not A Toy!

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