

Kit of radio controlled electro- flyer

Wingspan:	1350 mm
Length:	700 mm
Flight weight:	800-1300 g

The kit of this aircraft is mainly produced of extruded polypropylene EPP. This material ensures excellent durability and lifetime. Thanks its properties, this model enables pleasant flying and also more demanding acrobatic manoeuvres, perhaps even air fights.

Thanks the material, this model can survive many of collisions without damage and in any case, smaller damage can be repaired directly on the runway.

Model is to a great extent in good degree of completion and its completion will not require much time. Model is not designated for the beginners - that is why the assembly operation is not described in details. Design and final appearance of this model shall be modified considering selected engine and modeller's skills and habits.

List of Kit parts:

Fuselage from EPP	3 pcs
Cabin (transparent)	1 pc
Half of wing from EPP	2 pcs- outside + 2 pcs inside
Control surface- EPP	2 pcs
Reinforcement of wing + elevators	1 pc + 1pc
Elevator joiner	1 pc
Plywood parts	4 pcs
Control horns	3 pcs
Rod rudders	1 + 2 pcs
Plastic bolt + nut	1 + 1 pc

Further necessary tools for assembly:

CyA glue, CyA glue accelerator, polyurethane glue, epoxy, contact glue, sharp knife

Recommended drive:

Motor: AXI 2808/20, AXI 2820/10 **controller:** min 30A **propeller:** 9/6", 10/5"
Accumulators: 3x Li-pol 2200 - 3000 mAh,
Servo: 4x 16g

Kit assembly:

Start the assembly by glueing middle part of wing. Glue outsider parts of wing to the inner parts. Glue by polyuretane glue (inner surface) and by CyA glue (periphery). Next cuts for carbon strip into the wing and joiner outside and inner parts. Cutting by sharp knife upright to the surface of wing. Insert in the centre section the carbon strip into the cut and fix by thin liquid CA glue. Tapes must extend to the neighboring section of wing at least 10 mm. Make cuts for the plywood coupling central and the outer wing. Glue the coupling and glue parts of wing.

Cut, the edge of the middle part. Make an oppening for aileron servo. Make cuts into ailerons and glue-in the horns. Use polyurethane glue. Make the ailerons pushrods by forming the steel wire.

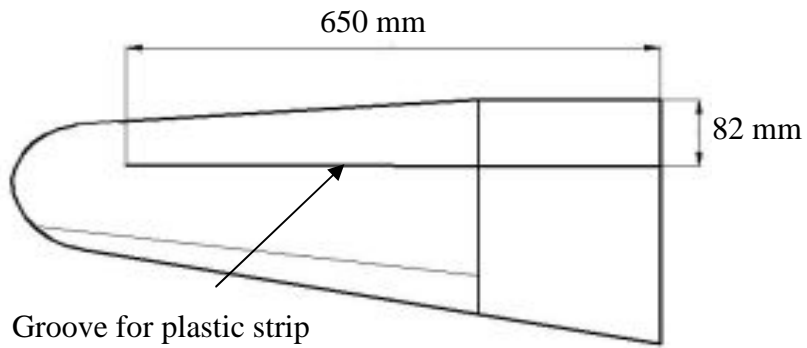
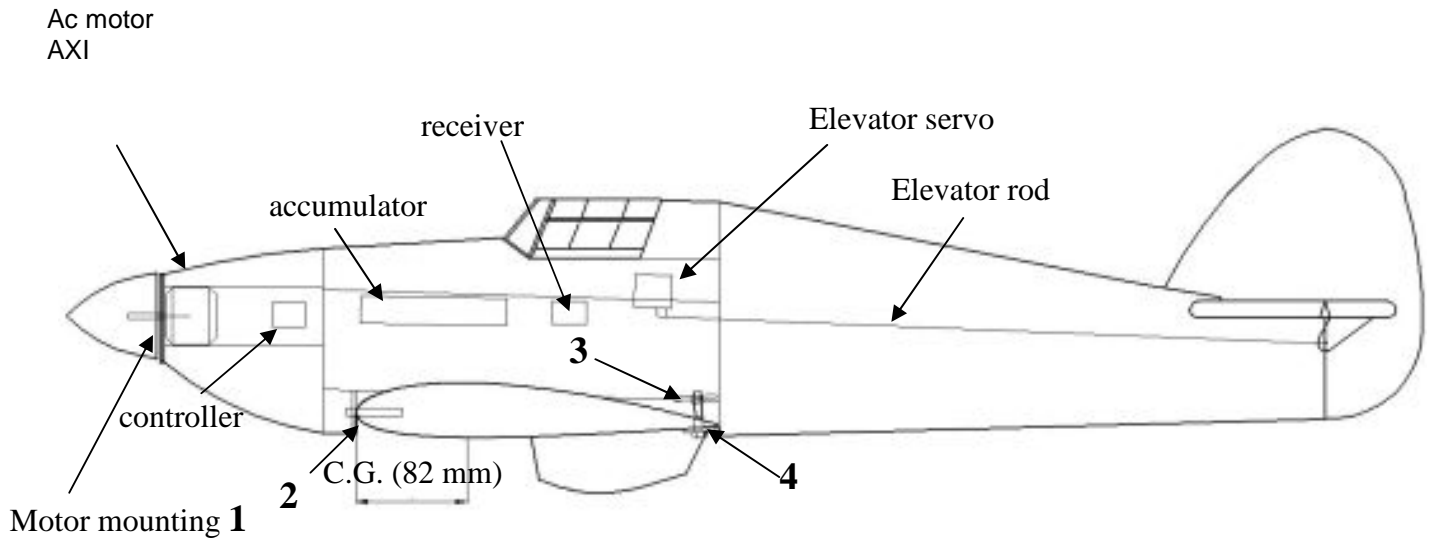
Make the opening for pushrod in the rear part of the fuselage. Glue the elevator pushrod into the opening. Put together the lower part of the fuselage with the opening. Glue well together the front and the rear part of the fuselage. To glue parts use CA glue in combination with polyurethane glue.

Make the openings for elevator servo in the fuselage hollow. Openings shall be tight. Cut the notch for ailerons' pushrods in the fuselage sidewalls.

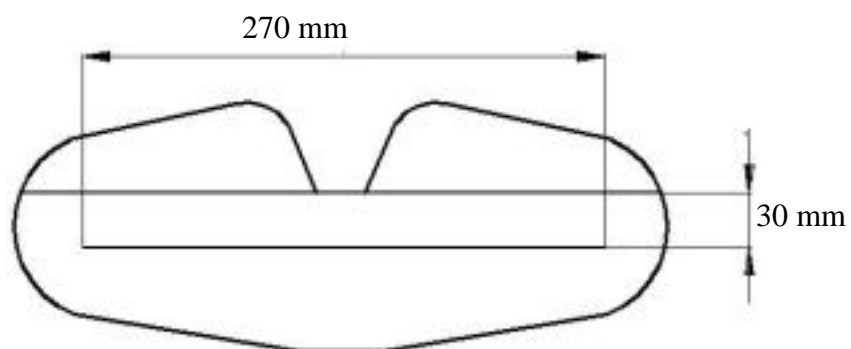
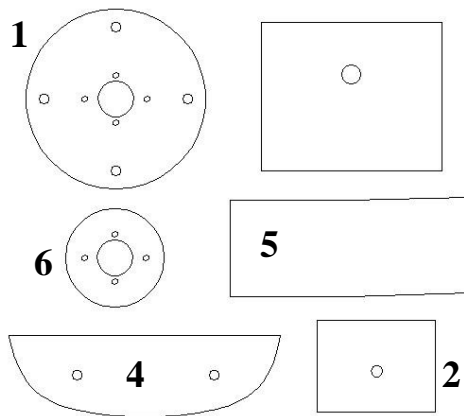
Form the motor mount considering the motor type. Glue the motor mount into the front part of the fuselage, using epoxy glue. Do not forget the cooling openings. Glue the complete assembly on the front part of the fuselage.

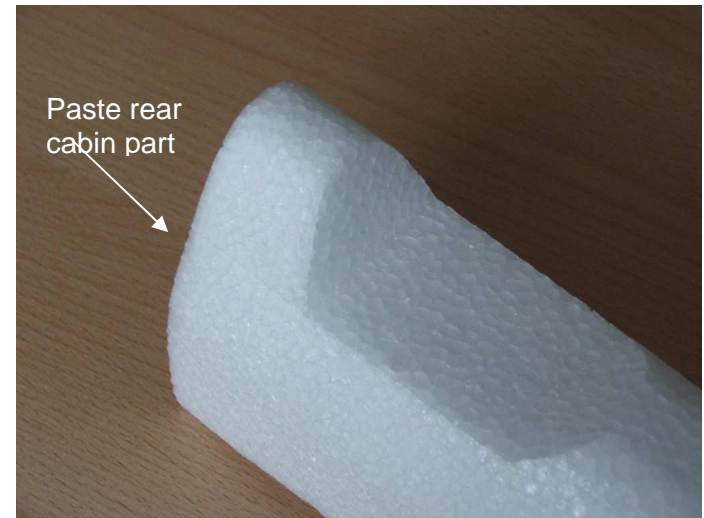
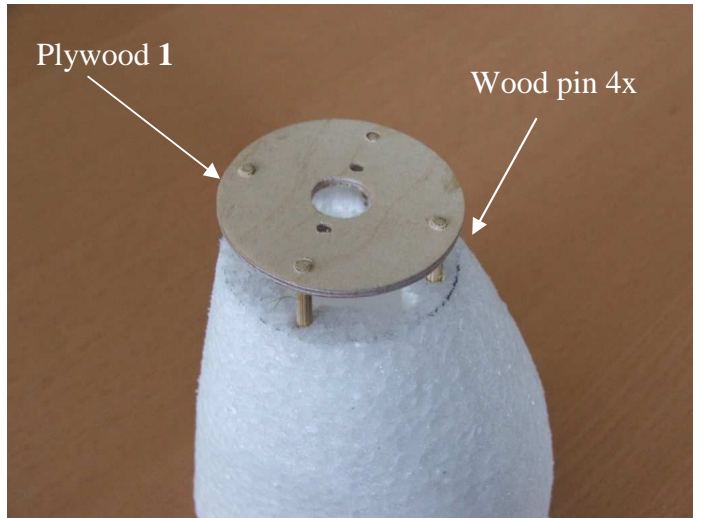
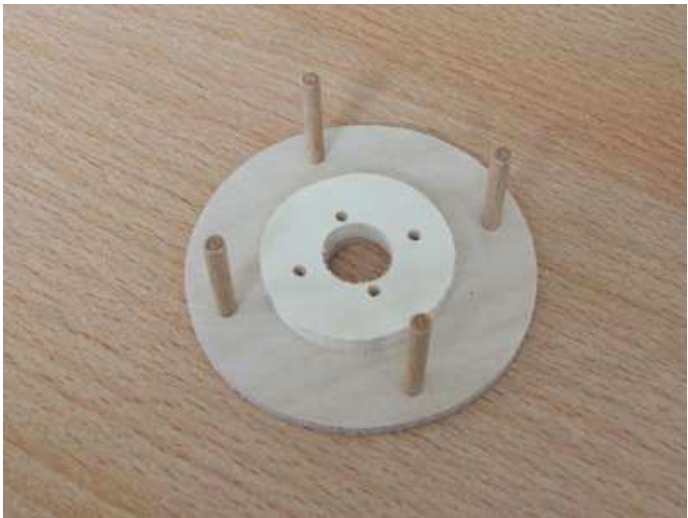
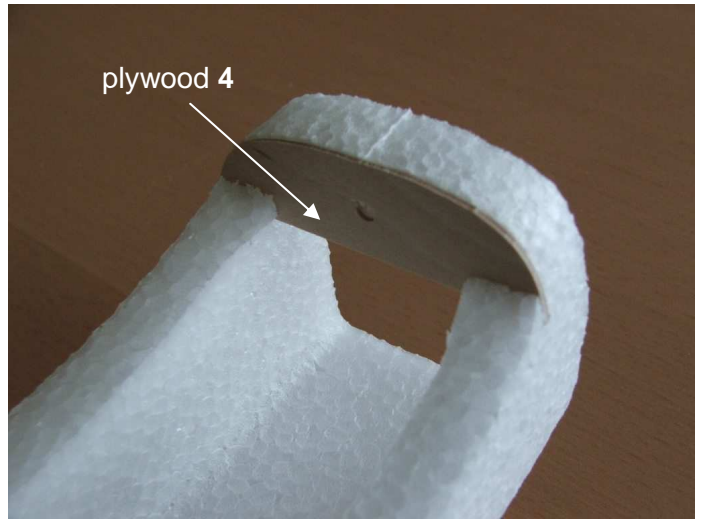
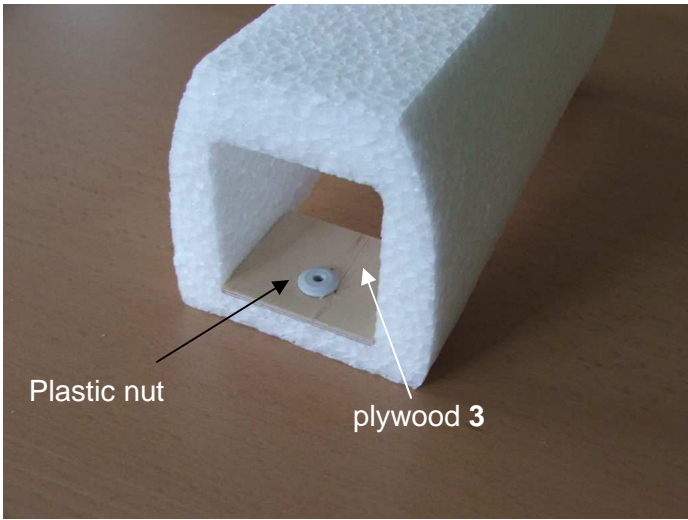
Cut the opening for carbon strip in the central part of the elevator. Glue the tape into the cut using CA glue. Form the connecting rod for the elevator (elevator joiner) of steel wire and glue it inside. Glue the elevator and rudder into the fuselage. Pay attention to the position of both elements. Glue the control horn into the cuttings, using polyurethane glue.

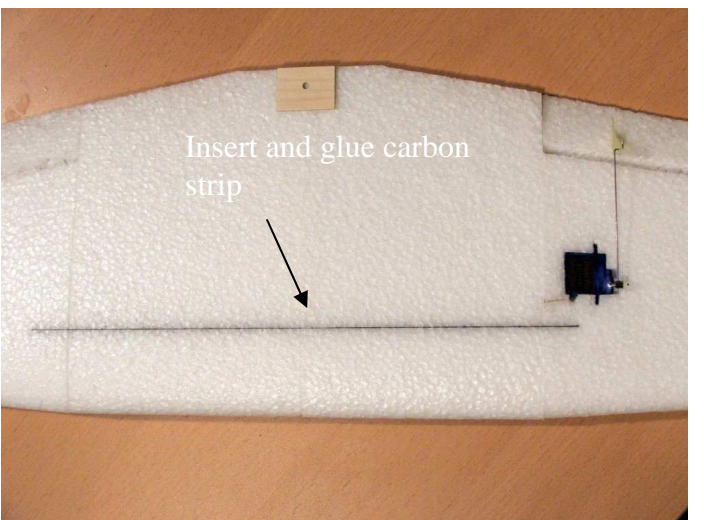
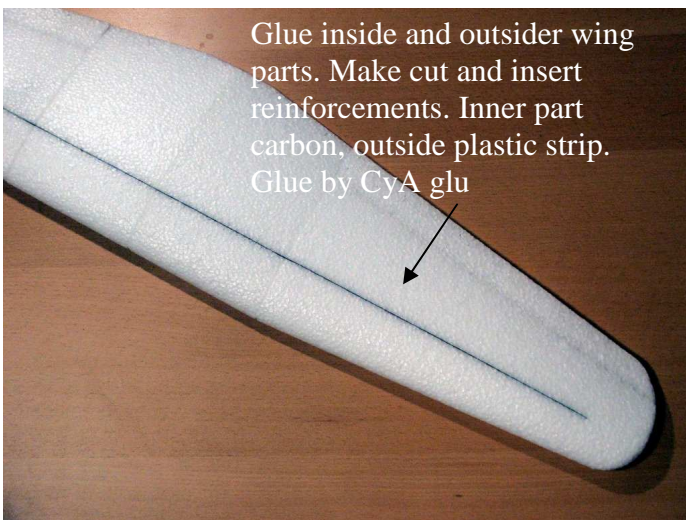
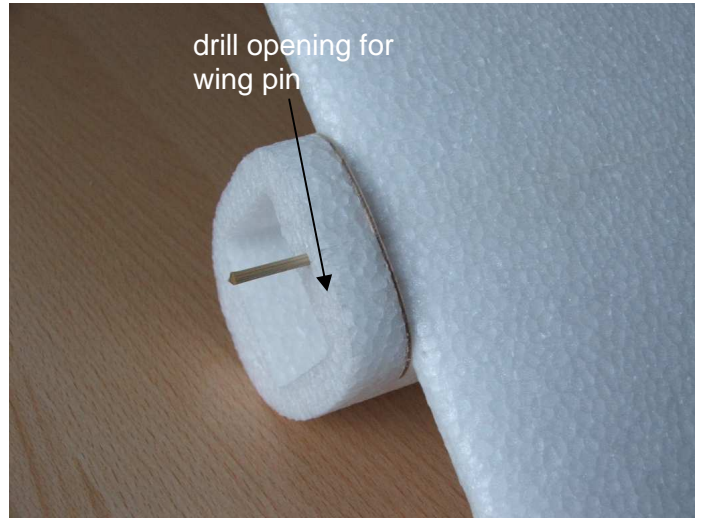
Glue the plastic foil frame to the canopy semi-product. Glue the canopy onto the fuselage with contact glue.

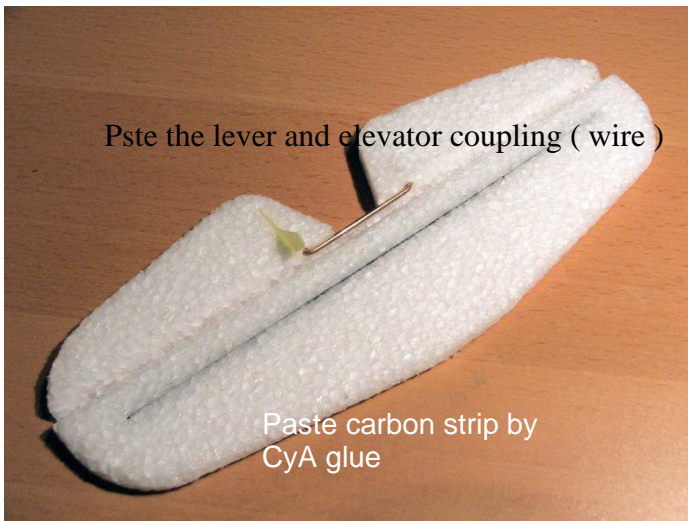
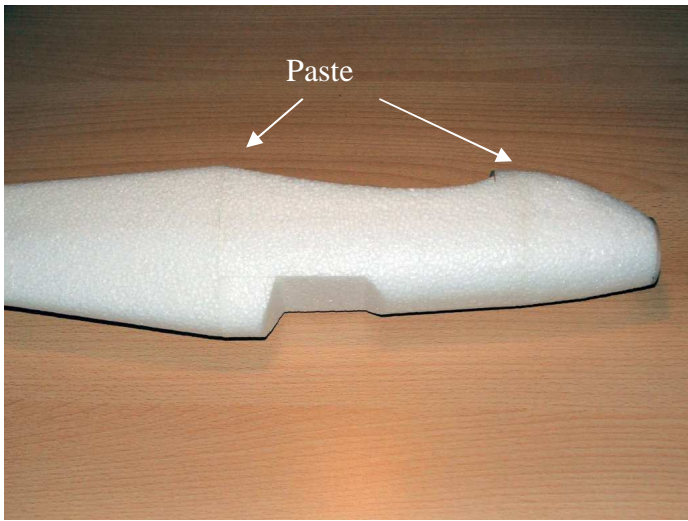
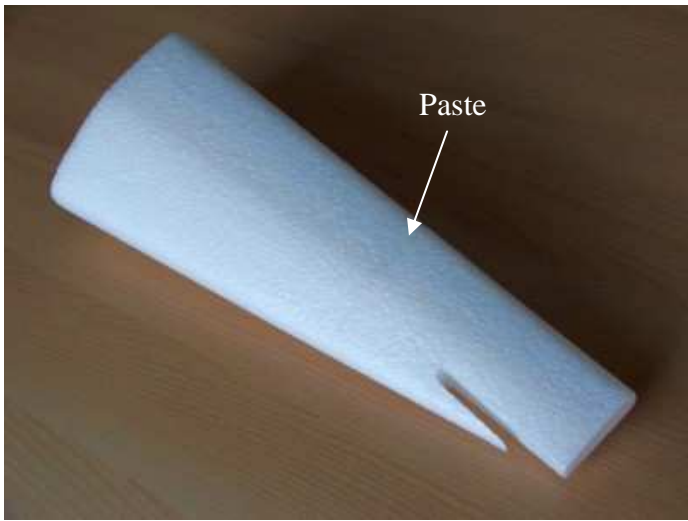
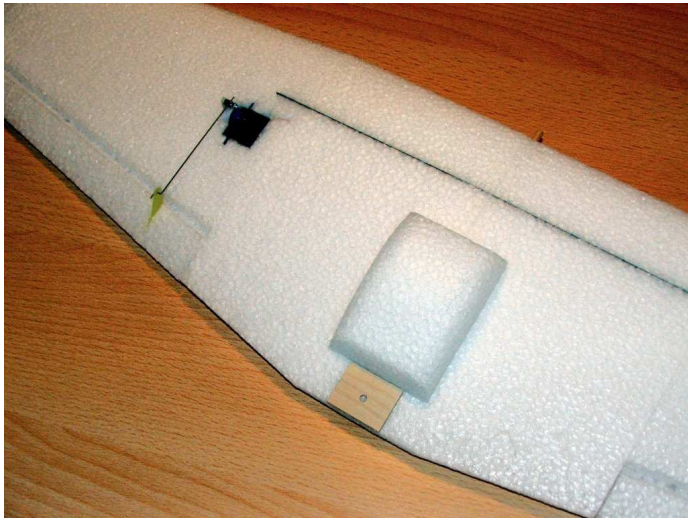
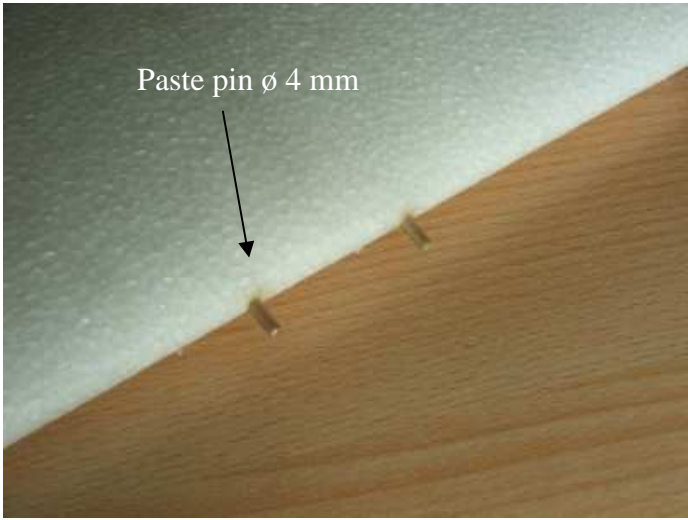


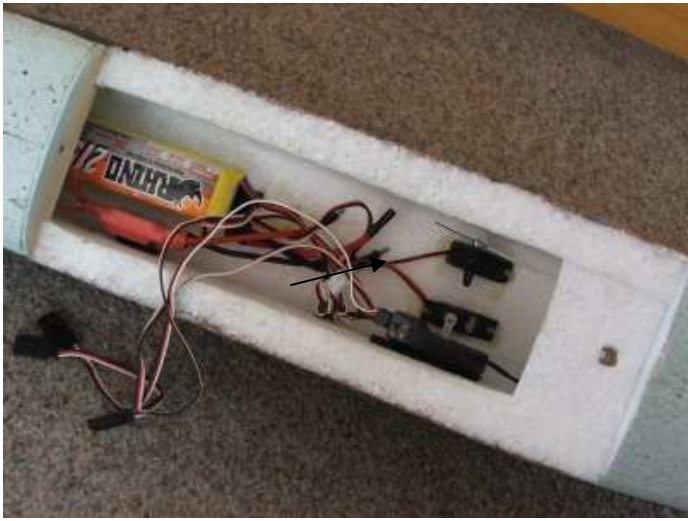
plywood













In the end, check the position of the centre of gravity. In case heavier motor is mounted, make weight balancing in the rear part. Set rudder deflection to 30° at the beginning. It is recommended to make first test flights during windless weather. Always fly in such a way to avoid injury to yourself as well as to your surroundings.

I wish you many happy moments during flying.

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