

HUIOP S38 Savage Bobber

User Manual for HUIOP Dancing Wings Hobby S38 Savage Bobber 1000mm Wingspan Balsa Wood Airplane KIT

Model: S38 Savage Bobber

1. INTRODUCTION

Thank you for choosing the HUIOP Dancing Wings Hobby S38 Savage Bobber Balsa Wood Airplane KIT. This model is designed for enthusiasts who enjoy the process of building and flying remote-controlled aircraft. Crafted from premium balsa wood, this kit offers a rewarding assembly experience and delivers superior flying performance, ensuring smooth and stable flights. Its lightweight and compact design make it easy to transport, suitable for various outdoor flying locations. This aircraft is user-friendly and ideal for all skill levels, from beginners to experienced flyers.

2. SAFETY INFORMATION

Always prioritize safety when assembling and operating your RC airplane. Failure to follow these guidelines may result in injury or damage to property.

- **Read the Entire Manual:** Before beginning assembly or operation, thoroughly read and understand all instructions.
- **Adult Supervision:** This product is not a toy. Adult supervision is recommended, especially during assembly and initial flights.
- **Flying Area:** Operate the aircraft in open, clear areas away from people, animals, buildings, and power lines. Avoid flying near airports or restricted airspace.
- **Weather Conditions:** Do not fly in strong winds, rain, or other adverse weather conditions.
- **Battery Safety:** Handle LiPo batteries with extreme care. Always use a compatible charger and never overcharge or discharge batteries. Store batteries in a fireproof bag or container.
- **Propeller Safety:** Keep hands, face, and loose clothing away from the propeller when the motor is powered. The propeller can cause serious injury.
- **Pre-Flight Checks:** Always perform a thorough pre-flight check before each flight, ensuring all components are secure and functioning correctly.
- **Chemicals and Adhesives:** Use glues and other chemicals in a well-ventilated area and follow the

manufacturer's safety instructions.

3. PACKAGE CONTENTS

The HUIOP Dancing Wings Hobby S38 Savage Bobber KIT includes the following components:

- 1 x Dancing Wings Hobby S38 Savage Bobber 1000mm Wingspan Balsa Wood Airplane Kit

Note: Motor, ESC (Electronic Speed Controller), servos, propeller, transmitter, receiver, battery, charger, covering film, and glue are NOT included and must be purchased separately.

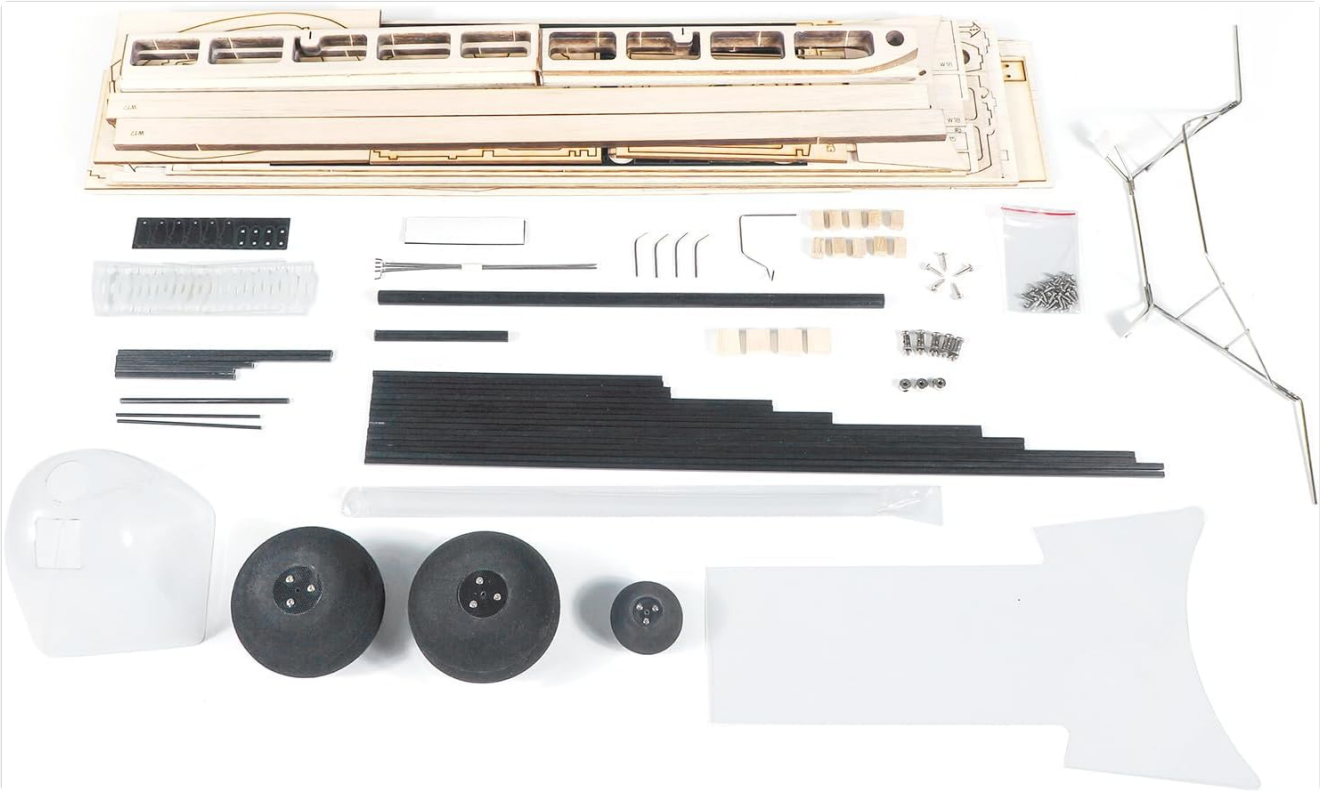


Image 3.1: Overview of the S38 Savage Bobber Balsa Wood Airplane Kit components, including various wooden sheets, landing gear wires, small hardware, and wheels.

4. SPECIFICATIONS

Detailed technical specifications for the S38 Savage Bobber KIT:

Feature	Specification
Brand	Dancing Wings Hobby
Model	S38 Savage Bobber
Wingspan	1000mm (39 inches)
Length	700mm (28 inches)
Flying Weight	Approximately 620g
Recommended Motor	MM2208 1700KV (3S) - 2600KV (2S)
Recommended ESC	20A

Feature	Specification
Recommended Servos	2.5-3.7g * 6
Recommended Battery	2S-3S 1300mAh-1500mAh LiPo
Recommended Propeller	7 inch
Recommended Receiver (RX)	≥ 6CH
Assembly Difficulty	Normal, challenging
Flying Difficulty	Normal, enjoyable
Product Dimensions	23.62 x 6.3 x 3.15 inches
Item Weight	2.11 pounds



Image 4.1: Visual summary of the S38 Savage Bobber's dimensions and recommended power system components.

5. ASSEMBLY INSTRUCTIONS

Assembling the S38 Savage Bobber KIT requires patience, precision, and basic modeling tools. This section provides general guidance; refer to the detailed assembly manual included with your kit for step-by-step instructions and diagrams.

5.1. Required Tools and Materials (Not Included)

- Hobby knife or razor blade
- Sanding block and various grits of sandpaper
- Wood glue (e.g., CA glue, epoxy, or aliphatic resin)
- Clamps or rubber bands for holding parts
- Covering film and heat iron/gun (for finishing)
- Small pliers, screwdrivers
- Soldering iron and solder (for electronics)

5.2. General Assembly Steps

1. **Unpack and Inspect:** Carefully unpack all components and inspect for any damage or missing parts. Familiarize yourself with the parts and the assembly manual.
2. **Wing Assembly:** Begin by assembling the wing sections. This typically involves gluing ribs to spars, ensuring proper dihedral and alignment.
3. **Fuselage Assembly:** Construct the fuselage frame, ensuring it is straight and true. Install internal components like servo mounts and battery trays as you build.
4. **Tail Section Assembly:** Assemble the horizontal and vertical stabilizers (elevator and rudder).
5. **Joining Sections:** Once major sections are complete, join the wings to the fuselage and attach the tail section.
6. **Landing Gear Installation:** Install the main landing gear and tail wheel assembly.
7. **Electronics Installation:** Mount the motor, ESC, servos, and receiver according to the manual. Ensure all control surfaces move freely and correctly.
8. **Control Linkages:** Connect pushrods and control horns to the servos and control surfaces (ailerons, elevator, rudder). Adjust for proper throw.
9. **Covering:** Apply the covering film to the airframe using a heat iron or heat gun. This protects the wood and provides the final aesthetic.
10. **Final Checks:** Perform a thorough final inspection, checking all glue joints, screw connections, and electronic wiring. Balance the aircraft to the recommended Center of Gravity (CG).



Image 5.1: The fully assembled S38 Savage Bobber, showcasing its intricate balsa wood construction before covering.

6. OPERATING GUIDELINES

Once your S38 Savage Bobber is fully assembled and all electronics are installed and tested, you are ready for flight. Always ensure you have a clear understanding of RC flight principles and practice on a simulator if you are new to the hobby.

6.1. Pre-Flight Checklist

- **Battery Charged:** Ensure both the flight battery and transmitter battery are fully charged.
- **Control Surfaces:** Verify that all control surfaces (ailerons, elevator, rudder) move freely and in the correct

direction relative to your transmitter inputs.

- **Propeller Secure:** Check that the propeller is securely attached and free from damage.
- **Motor Test:** Briefly test the motor to ensure it spins smoothly and the ESC is functioning correctly.
- **Center of Gravity (CG):** Confirm the aircraft's CG is within the recommended range. An incorrect CG can make the plane unstable.
- **Radio Range Check:** Perform a radio range check to ensure reliable communication between your transmitter and receiver.
- **Field Clear:** Ensure your chosen flying area is clear of obstacles and people.

6.2. Basic Flight Controls

- **Throttle:** Controls motor speed and thrust.
- **Ailerons:** Controls roll (tilting wings left/right).
- **Elevator:** Controls pitch (nose up/down).
- **Rudder:** Controls yaw (nose left/right).

6.3. Flying Environment

Choose a large, open field or designated RC flying site. Avoid flying near trees, buildings, power lines, or water bodies. Always be aware of wind conditions; light winds are ideal for initial flights. For optimal performance and safety, ensure good visibility of your aircraft at all times.

7. MAINTENANCE

Regular maintenance will ensure the longevity and safe operation of your S38 Savage Bobber.

- **Post-Flight Inspection:** After each flight, inspect the airframe for any damage, loose connections, or signs of wear. Check propeller for nicks or cracks.
- **Cleaning:** Keep the aircraft clean. Wipe down surfaces to remove dirt, dust, or oil.
- **Control Linkages:** Periodically check all control linkages for slop or binding. Ensure screws and nuts are tight.
- **Motor and ESC:** Check motor bearings for smoothness and ensure the ESC is free from debris and overheating.
- **Battery Care:** Follow proper LiPo battery charging, discharging, and storage procedures. Never leave batteries unattended while charging.
- **Storage:** Store the aircraft in a cool, dry place, away from direct sunlight and extreme temperatures. Protect it from physical damage.

8. TROUBLESHOOTING

This section addresses common issues you might encounter and provides potential solutions.

Problem	Possible Cause	Solution
Aircraft does not respond to controls	Low battery (transmitter or receiver), binding issue, faulty receiver/servo	Charge batteries, re-bind transmitter/receiver, check wiring, replace faulty components.

Problem	Possible Cause	Solution
Motor not spinning	Disconnected motor/ESC wires, faulty ESC, low flight battery, motor jammed	Check connections, ensure battery is charged, inspect motor for obstructions, test/replace ESC.
Aircraft flies erratically/unstable	Incorrect Center of Gravity (CG), control surfaces not trimmed, damaged airframe, strong wind	Adjust CG, trim controls on transmitter, inspect for damage, wait for calmer weather.
Short flight time	Battery not fully charged, old/damaged battery, inefficient propeller, excessive throttle usage	Ensure full charge, replace old battery, check propeller size/pitch, manage throttle.
Excessive vibration	Unbalanced propeller, bent motor shaft, loose motor mount	Balance propeller, check/replace motor shaft, tighten motor mount screws.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your HUIOP Dancing Wings Hobby S38 Savage Bobber, please refer to the documentation provided with your purchase or contact the retailer where you purchased the product. You may also visit the official HUIOP or Dancing Wings Hobby website for further assistance and contact information.

Always retain your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question