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› Goolsky Dancing Wings Hobby S38 Savage Bobber RC Plane Kit Instruction Manual

Goolsky S38 Savage Bobber

Goolsky Dancing Wings Hobby S38 Savage Bobber RC Plane Kit Instruction Manual

Model: S38 Savage Bobber | Brand: Goolsky

1. INTRODUCTION

Thank you for purchasing the Goolsky Dancing Wings Hobby S38 Savage Bobber 1000mm Wingspan Balsa Wood RC Airplane Kit. This kit is designed for enthusiasts who enjoy the process of building and flying their own remote-controlled aircraft. The Savage Bobber offers excellent flight performance and is suitable for various skill levels, from intermediate builders to experienced pilots.

This manual provides detailed instructions for the assembly, setup, operation, and maintenance of your S38 Savage Bobber. Please read it thoroughly before beginning assembly or operation to ensure a safe and enjoyable experience.



Image: The fully assembled S38 Savage Bobber balsa wood RC airplane, showcasing its classic design and wooden frame.

2. SAFETY INFORMATION

Operating remote-controlled aircraft requires caution. Please adhere to the following safety guidelines:

- Always operate your RC aircraft in open areas, away from people, buildings, and obstacles.
- Never fly near airports or restricted airspace.
- Ensure all components (motor, ESC, servos, battery, receiver) are correctly installed and functioning before each flight.
- Always perform a range check of your radio system before flying.
- Keep hands and loose clothing away from the propeller when the battery is connected.
- Use appropriate safety gear, such as eye protection, during assembly and maintenance.
- Store batteries in a safe, cool place and follow manufacturer guidelines for charging and discharging.
- This product is not a toy. Adult supervision is required for minors.

3. PACKAGE CONTENTS

Your Goolsky Dancing Wings Hobby S38 Savage Bobber kit includes the following components:

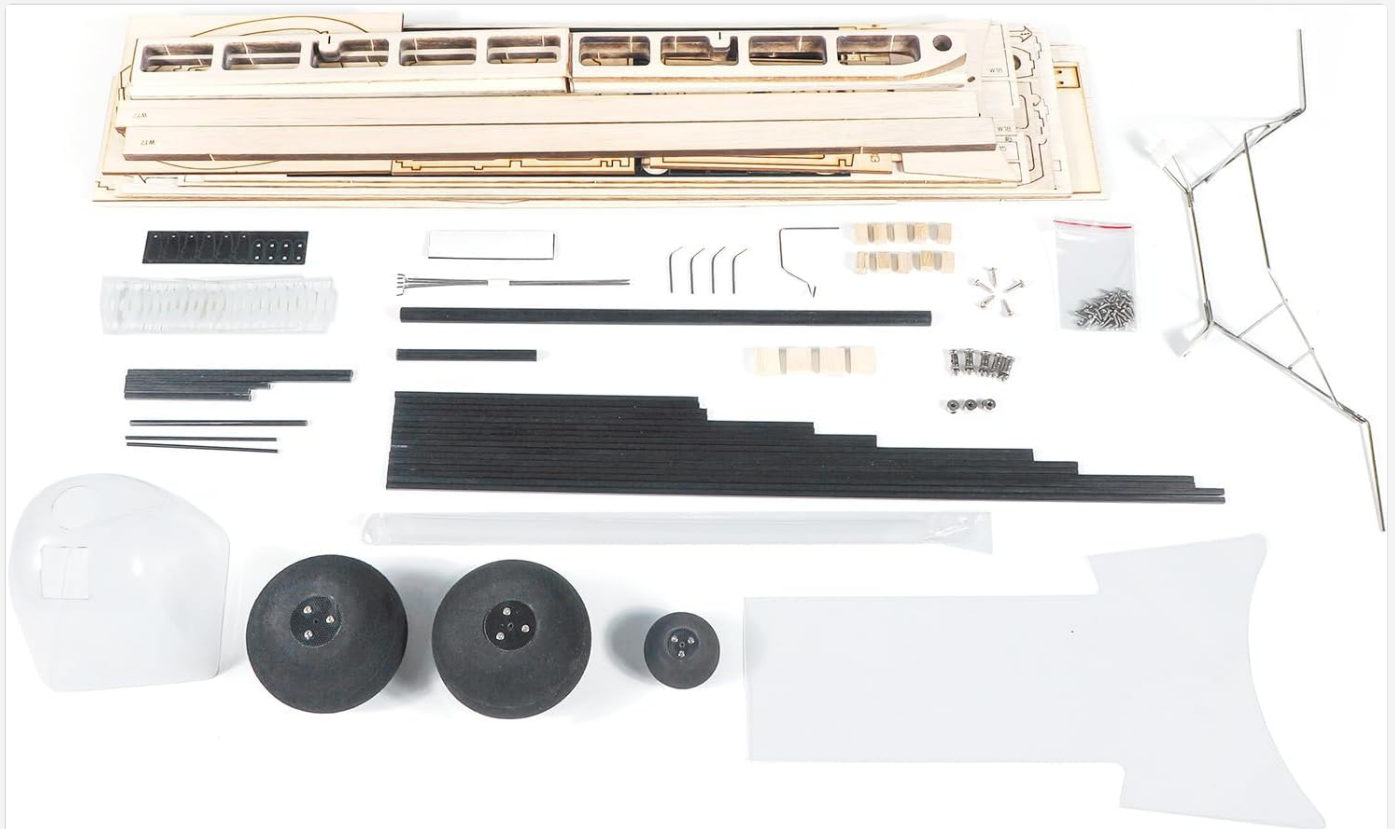


Image: All balsa wood parts, landing gear, wheels, canopy, and small hardware included in the S38 Savage Bobber kit, neatly laid out.

- 1 x Dancing Wings Hobby S38 Savage Bobber 1000mm Wingspan Balsa Wood Airplane Kit (unassembled parts)
- Landing Gear
- Wheels
- Clear Canopy
- Small Hardware (rods, connectors, screws, etc.)

4. RECOMMENDED PARTS (NOT INCLUDED)

To complete your S38 Savage Bobber and make it flight-ready, you will need the following additional components:

- **Motor:** MM2208 1700 KV (for 3S battery) - 2600 KV (for 2S battery)
- **Electronic Speed Controller (ESC):** 20 A
- **Servos:** 2.5-3.7 g x 6 (for ailerons, elevator, rudder)
- **Battery:** 2S-3S 1300 mAh - 1500 mAh LiPo battery
- **Propeller:** 17.8 cm (7 inch)
- **Receiver (RX):** ≥ 6 channels
- **Transmitter:** Compatible with your chosen receiver (≥ 6 channels)
- **Battery Charger:** Compatible with your chosen LiPo battery
- **Covering Film:** For finishing the balsa wood structure (e.g., heat-shrink film)
- **Adhesive:** CA glue (super glue), epoxy, or wood glue suitable for balsa wood construction

5. ASSEMBLY INSTRUCTIONS

Assembly of this balsa wood kit requires patience and attention to detail. It is recommended to have basic modeling skills and appropriate tools (hobby knife, sandpaper, clamps, ruler, etc.). Follow the included detailed assembly plans or diagrams that come with the physical kit.

5.1. Fuselage Assembly

Begin by assembling the main fuselage sections. Carefully cut out the balsa wood parts from the sheets. Use appropriate adhesive to join the formers and stringers, ensuring the fuselage is straight and square. Allow glue to dry completely before proceeding.

5.2. Wing Assembly

Assemble the wing ribs and spars according to the plans. Pay close attention to the dihedral angle if specified. Ensure the wing is flat and true before gluing all components permanently. Install servo mounts within the wing structure as indicated.

5.3. Tail Assembly

Construct the horizontal and vertical stabilizers (elevator and rudder). These are typically built flat on a building board. Once assembled, attach them to the rear of the fuselage, ensuring they are perfectly aligned with the wings and fuselage centerline.

5.4. Landing Gear Installation

Assemble and install the main landing gear and tail wheel assembly. Ensure the main landing gear is securely mounted to the fuselage structure to withstand landing forces.

5.5. Power System Installation

Mount the motor to the firewall at the front of the fuselage. Install the ESC in a location with good airflow, typically inside the fuselage near the motor. Route the motor wires to the ESC and the ESC wires to the battery compartment. Install the servos for the control surfaces (ailerons, elevator, rudder) in their designated locations.

5.6. Radio System Installation

Install the receiver (RX) inside the fuselage, away from the ESC and motor wires to minimize interference. Connect the servo leads to the correct channels on the receiver. Ensure antenna wires are routed properly and not shielded by carbon fiber or metal parts.

5.7. Final Checks and Covering

Before covering, double-check all glued joints for strength. Ensure all control surfaces move freely and without binding. Once satisfied with the structural integrity, apply your chosen covering film according to its instructions. This will provide strength and aerodynamic smoothness to the airframe.

6. INITIAL SETUP AND CALIBRATION

After assembly and covering, perform the following setup steps:

- **Radio Binding:** Bind your receiver to your transmitter according to your radio system's manual.
- **Servo Reversing and End Points:** Connect the battery (with propeller removed for safety). Power on your transmitter, then the aircraft. Check that all control surfaces (ailerons, elevator, rudder) move in the correct direction relative to your stick inputs. Adjust servo reversing and end points on your transmitter as needed.
- **Control Throws:** Set the control surface throws (amount of movement) according to recommended settings for your flying style. Start with lower throws for initial flights.
- **Center of Gravity (CG):** This is critical for stable flight. Refer to your kit's plans for the recommended CG location. Balance the aircraft at this point using your fingers or a dedicated CG stand. Adjust battery position or add nose/tail weight as necessary to achieve the correct CG.
- **Propeller Installation:** Install the propeller securely onto the motor shaft. Ensure it is balanced to prevent vibrations.

7. OPERATING INSTRUCTIONS

7.1. Pre-Flight Checklist

Before every flight, perform these checks:

- Check battery voltage (aircraft and transmitter).
- Ensure all control surfaces move freely and correctly.
- Verify propeller is secure and undamaged.
- Confirm correct CG.
- Perform a range check of your radio system.
- Check weather conditions (wind speed, visibility).

7.2. Flying Tips

The S38 Savage Bobber is designed for enjoyable flight. Here are some general tips:

- **Takeoff:** Apply throttle smoothly and gradually. Maintain a straight path with rudder input. Once sufficient speed is gained, gently apply up elevator to lift off.
- **Cruising:** Fly at a comfortable altitude and speed. Make smooth, coordinated turns using ailerons and rudder.
- **Landing:** Reduce throttle and align the aircraft with the runway. Control descent with elevator and throttle. Aim for a gentle touchdown on the main wheels, then allow the tail to settle.
- **Wind:** Be mindful of wind conditions. Fly into the wind for takeoff and landing to reduce ground speed.

GREAT FLYING PERFORMANCE

The remote control plane boasts superior flying performance, providing smooth and stable flights for a more enjoyable flying experience.



Image: The S38 Savage Bobber in flight, demonstrating its superior flying performance and stability.

8. MAINTENANCE

Regular maintenance will prolong the life of your Savage Bobber:

- Inspect the airframe for any damage (cracks in balsa, tears in covering) after each flight. Repair as needed.
- Check all control linkages and hinges for looseness or wear.
- Ensure all screws and fasteners are tight.
- Keep the motor and ESC clean and free of debris.
- Check propeller for nicks or cracks; replace if damaged.
- Store the aircraft in a dry, cool place, away from direct sunlight.

9. TROUBLESHOOTING

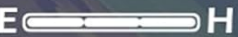
Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Aircraft won't take off or lacks power	Low battery, incorrect propeller, motor/ESC issue, too heavy	Charge battery, check propeller size/direction, inspect power system, reduce weight
Aircraft is unstable in flight	Incorrect CG, control throws too high, warped wing/tail	Adjust CG, reduce throws, check for warps and correct
Control surfaces don't respond	Loose servo connection, receiver issue, transmitter issue, damaged servo	Check connections, re-bind radio, replace faulty components
Motor stutters or doesn't spin	ESC not calibrated, motor wires loose, damaged motor/ESC	Calibrate ESC, check connections, replace damaged parts

10. SPECIFICATIONS

S38
BALSAWOOD KIT

1.0M SAVAGE BOBBER

 1000mm 39inch	 700mm 28inch	 FLY ≈620g
 MM2208 1700(3S)-2600(2S)KV	 ESC 20A	 2.5g-3.7g 6pcs
 2S-3S 1300-1500mAh	 7inch	 RX ≥6CH
 ASSEMBLY E  H	 FLYING E  H	 E-Power ☒ G-Power



DANCING WINGS HOBBY 

Image: An infographic detailing the key specifications and recommended components for the S38 Savage Bobber balsa wood kit.

Feature	Detail
Model	S38 Savage Bobber
Wingspan	1000 mm (39 inches)
Length	700 mm (28 inches)
Flying Weight (approx.)	620 g
Material	Balsa Wood
Recommended Motor	MM2208 1700 KV (3S) - 2600 KV (2S)
Recommended ESC	20 A
Recommended Servos	2.5-3.7 g x 6
Recommended Battery	2S-3S 1300 mAh - 1500 mAh
Recommended Propeller	7 inch (17.8 cm)
Recommended Receiver	≥ 6 channels
Assembly Difficulty	Normal to Challenging (requires modeling skills)

11. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Goolsky Dancing Wings Hobby S38 Savage Bobber kit, please refer to the documentation provided with your purchase or contact the retailer directly. As this is a kit requiring assembly, warranty typically covers manufacturing defects of the parts provided, not issues arising from assembly errors or crashes.

Always ensure you purchase from authorized sellers to guarantee product authenticity and access to support.

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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

Email

you@example.com

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