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Dancing Wings Hobby Sbach 342 E1802 RC Airplane Instruction Manual

Model: E1802 - 1000mm Wingspan 4CH EPP Foamy Aeroplane

1. SAFETY PRECAUTIONS AND WARNINGS

Age Recommendation: This is not a toy. Not for children under 14 years old.

- Always keep a safe distance in all directions around your model to avoid collisions or injury. The model is controlled by a radio subject to interference from many sources outside your control. Interference can cause momentary loss of control.
- Always operate your model in open spaces away from full-size vehicles, traffic, and people.
- Ensure all components are securely fastened before each flight.
- Always disconnect the battery after use and store it safely.

2. SETUP AND ASSEMBLY

The Sbach 342 E1802 is an EPP foamy aeroplane kit designed for assembly. Please refer to the included assembly drawings for detailed instructions. This section outlines the main components and their installation.

2.1 Kit Contents Overview



Image: The product kit box for the Sbach 342 E1802, showing the unassembled components.

2.2 Required Components (E1802 Version)

- **Motor:** 2216 920KV (Included in E1802 kit)
- **ESC (Electronic Speed Controller):** 20A (Included in E1804 kit, purchase separately for E1802)
- **Servo:** 9g * 4 (Included in E1804 kit, purchase separately for E1802)
- **Propeller:** 1060 (Included in E1801/E1802 kit)
- **Radio:** More than 4CH (Not included)
- **Battery:** 3S 1300mAh-1800mAh (Not included)

2.3 Component Installation

Follow the detailed assembly drawings provided with your kit for precise installation. Key components include:



Image: Close-up of the motor and propeller assembly on the aircraft's nose.



Image: Servos installed in the wing, connected to control surfaces.

Ensure all connections are secure and wires are neatly routed to prevent interference with moving parts.

2.4 Assembly Video Guide

For a visual guide on assembly and component setup, please refer to the official video below:

Your browser does not support the video tag. Please update your browser or use a different one to view this content.

Video: An official video demonstrating the assembly process and key components of the Sbach 342 EPP airplane.

3. OPERATING INSTRUCTIONS

The Sbach 342 E1802 is designed for both stable flight and high-performance 3D maneuvers, making it suitable for beginners and experienced pilots alike.

3.1 Pre-Flight Checklist

1. Ensure the battery is fully charged and securely installed.
2. Verify all control surfaces (ailerons, elevator, rudder) move freely and correctly in response to transmitter inputs.
3. Check propeller for any damage and ensure it is securely fastened.
4. Confirm radio signal strength and absence of interference.
5. Perform a range check of your radio system.

3.2 Take-off and Flight

The Sbach 342 offers slow, stable flight characteristics, making it easy to operate. For advanced users, its design allows for complex 3D aerobatics.



Image: The fully assembled Sbach 342 E1802 airplane alongside its remote control, ready for flight.
Always launch and fly in an open area, clear of obstacles and people. Maintain visual contact with the aircraft at all times.

3.3 Flight Demonstration Video

Watch the Sbach 342 in action, demonstrating its flight capabilities:

Your browser does not support the video tag. Please update your browser or use a different one to view this

Video: An official video showcasing the flight performance and maneuvers of the Sbach 342 EPP airplane.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sbach 342 E1802.

- **EPP Material:** The aircraft is constructed from durable EPP foam. In case of minor damage, use appropriate foam-safe adhesive for repairs.
- **Control Surfaces:** Periodically check all hinges and linkages for wear or looseness. Ensure smooth and unrestricted movement.
- **Motor and Propeller:** Inspect the motor for any debris and ensure the propeller is free from cracks or chips. Replace damaged propellers immediately.
- **Electronics:** Keep all electronic components (ESC, receiver, servos) clean and dry. Check wiring for any fraying or loose connections.
- **Battery Care:** Follow the manufacturer's instructions for charging, discharging, and storing your LiPo battery to maximize its lifespan and ensure safety.

5. TROUBLESHOOTING

If you encounter issues with your Sbach 342 E1802, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Aircraft does not respond to controls	Loose wiring, uncharged battery, radio interference, un-bound receiver	Check all connections, charge battery, re-bind receiver, check for interference sources.
Motor not spinning	ESC not armed, motor wires disconnected, damaged motor/ESC	Ensure throttle is at lowest setting to arm ESC, check motor connections, inspect for damage.
Unstable flight	Incorrect center of gravity (CG), control surface trim issues, damaged control surfaces	Adjust battery position for correct CG, trim control surfaces, inspect for damage.

For further assistance, please contact customer support.

6. SPECIFICATIONS

Key technical specifications for the Dancing Wings Hobby Sbach 342 E1802:

- **Wingspan:** 1000mm
- **Length:** 990mm
- **Flying Weight:** 500-580g
- **Material:** 100% EPP (Expanded Polypropylene Foam)
- **Suggested Motor:** 2216 920KV
- **Suggested ESC:** 20A
- **Suggested Servo:** 9g * 4

- **Suggested Propeller:** 1060
- **Suggested Radio:** More than 4CH
- **Suggested Battery:** 3S 1300mAh-1800mAh LiPo

7. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Dancing Wings Hobby customer service through their official channels or visit their Amazon store:

Visit the Dancing Wings Hobby Store

Please have your model number (E1802) and purchase details ready when contacting support.