

Dancing Wings Hobby EA0204-R10

Dancing Wings Hobby KITFOX-XL RC Foam Airplane Instruction Manual

Model: EA0204-R10

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your Dancing Wings Hobby KITFOX-XL RC Foam Airplane, model EA0204-R10. Please read this manual thoroughly before beginning assembly or operation to ensure safe and correct use of the product.

The KITFOX-XL is an ultra-light RC foam airplane kit featuring laser-cut components and UV-printing for detailed graphics. It is designed for electric power and offers straightforward control characteristics.

2. SAFETY INFORMATION

Operating remote-controlled aircraft requires caution and adherence to safety guidelines. Failure to follow these instructions can result in injury or property damage.

- **Age Recommendation:** This product is intended for adult users (216 months / 18 years and older). It is not a toy.
- **Operating Environment:** Always operate the aircraft in open areas, away from people, buildings, trees, power lines, and other obstacles. Avoid flying in windy conditions.
- **Pre-Flight Check:** Before each flight, ensure all components are securely attached, batteries are fully charged, and control surfaces respond correctly to transmitter inputs.
- **Battery Safety:** Use only recommended batteries and chargers. Do not overcharge or discharge batteries. Store batteries in a safe, cool place away from flammable materials. Disconnect the battery from the aircraft when not in use.
- **Propeller Safety:** The propeller can cause serious injury. Always keep hands and face clear of the propeller when the battery is connected. Ensure the motor is disarmed before handling the aircraft.
- **Supervision:** If you are new to RC flying, seek guidance from an experienced pilot.

3. WHAT'S IN THE BOX

The EA0204-R10 KITFOX-XL package includes the following components:

- KITFOX-XL Foam Airframe Kit (Laser-cut, UV-printed)
- MF1905 2400KV Motor
- 10A ESC (Electronic Speed Controller) with JST Plug
- 3.7g Servos (4 pieces)
- 7-inch Plastic Propeller
- HOT RC HT-10A Transmitter (Right Throttle)
- HOT RC F-10A 10CH Receiver
- Product Manual



EA0204

Combo includes:

EA0201 KIT-FOX XL

Motor : MF1905 2400KV

Prop : 7inch

ESC : 10A (JST Plug)

Servo : 3.7g*4pcs



Image showing the various laser-cut foam parts, wheels, motor, propeller, ESC, and servos included in the EA0204-R10 KITFOX-XL kit.

4. ASSEMBLY INSTRUCTIONS

The KITFOX-XL is a kit that requires assembly. Follow these general steps. Refer to the included detailed assembly

manual for specific diagrams and instructions.

1. **Fuselage Assembly:** Carefully assemble the laser-cut foam fuselage sections. Use appropriate foam-safe adhesive as recommended in the detailed manual.
2. **Wing Assembly:** Assemble the main wing sections. Ensure the UV-printed film is applied correctly if not pre-applied. Attach the wing to the fuselage structure.
3. **Tail Section Assembly:** Assemble and attach the horizontal and vertical stabilizers to the rear of the fuselage.
4. **Landing Gear Installation:** Install the landing gear components, including the wheels, ensuring they are securely fastened and allow for smooth rotation.
5. **Motor and ESC Installation:** Mount the MF1905 2400KV motor to the front of the fuselage. Connect the 10A ESC to the motor and secure the ESC within the fuselage, ensuring proper ventilation.
6. **Servo Installation:** Install the four 3.7g servos into their designated locations for ailerons, elevator, and rudder.
7. **Receiver Installation:** Connect the servos and ESC to the HOT RC F-10A 10CH receiver according to the wiring diagram provided in the detailed manual. Secure the receiver inside the fuselage.
8. **Control Linkages:** Connect the pushrods from the servos to the respective control horns on the ailerons, elevator, and rudder. Ensure free movement and correct throw.
9. **Propeller Attachment:** Securely attach the 7-inch plastic propeller to the motor shaft. Ensure it is balanced and facing the correct direction for thrust.
10. **Final Inspection:** Double-check all connections, moving parts, and structural integrity before proceeding to setup.



Front-side view of the fully assembled Dancing Wings Hobby KITFOX-XL RC foam airplane, showcasing its wingspan and landing gear.

5. OPERATING INSTRUCTIONS

5.1. Pre-Flight Check

- **Battery:** Ensure the flight battery is fully charged and securely installed in the aircraft.
- **Transmitter:** Turn on the HOTT RC HT-10A transmitter first. Ensure its battery is charged.
- **Aircraft Power:** Connect the flight battery to the ESC. Listen for the ESC initialization tones.
- **Control Surfaces:** Verify that all control surfaces (ailerons, elevator, rudder) move freely and in the correct direction in response to transmitter stick inputs.
- **Propeller:** Confirm the propeller is securely attached and free from damage. Keep clear of the propeller during power-up.
- **Range Check:** Perform a range check of your radio system as per the transmitter manual to ensure reliable control.

5.2. Flying the Aircraft

- **Take-off:** With sufficient clear space, gently advance the throttle. Guide the aircraft straight down the runway using rudder control. Once sufficient speed is gained, apply a small amount of elevator to lift off.
- **Basic Controls:** Use the right stick (throttle/rudder) and left stick (aileron/elevator) to control the aircraft. Practice gentle maneuvers at a safe altitude.
- **Landing:** Reduce throttle and approach the landing area into the wind. Maintain a controlled descent with elevator input. Gently flare just above the ground to touch down smoothly.

5.3. Post-Flight Procedures

- **Disconnect Battery:** Always disconnect the flight battery from the aircraft immediately after landing.
- **Transmitter Off:** Turn off your transmitter after disconnecting the aircraft battery.
- **Inspection:** Inspect the aircraft for any damage incurred during flight.



Close-up view of the assembled KITFOX-XL RC airplane resting on grass, highlighting the propeller and front fuselage.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your KITFOX-XL.

- **Cleaning:** Wipe down the foam airframe with a soft, damp cloth after each flight to remove dirt or debris. Avoid using harsh chemicals.
- **Inspection:** Periodically check all glue joints, control linkages, and motor mounts for looseness or damage. Replace any worn or damaged parts immediately.
- **Propeller:** Inspect the propeller for nicks, cracks, or bends. A damaged propeller can cause vibrations and reduce performance. Replace if necessary.
- **Battery Care:** Follow manufacturer guidelines for charging, discharging, and storing your flight batteries.
- **Storage:** Store the aircraft in a cool, dry place, away from direct sunlight and extreme temperatures, to prevent foam degradation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Aircraft does not power on	Disconnected battery, discharged battery, faulty ESC/receiver connection	Check battery connection, charge battery, verify ESC/receiver wiring.
Motor not spinning	Throttle not armed, motor/ESC connection issue, faulty motor/ESC	Ensure throttle is at lowest position to arm ESC, check motor wire connections, test motor/ESC if possible.
Control surfaces not responding	Receiver not bound, servo disconnected, faulty servo, low transmitter battery	Re-bind receiver to transmitter, check servo connections, replace faulty servo, charge transmitter battery.
Aircraft flies erratically	Incorrect control surface trim, damaged airframe, unbalanced propeller	Adjust trims on transmitter, inspect airframe for damage, check propeller balance.

If you encounter issues not listed here, refer to the detailed manual or contact customer support.

8. SPECIFICATIONS

Technical specifications for the Dancing Wings Hobby KITFOX-XL (EA0204-R10) RC Foam Airplane:

- **Model:** EA0204-R10
- **Brand:** Dancing Wings Hobby
- **Wingspan:** 1030mm (40.5 inches)
- **Length:** 650mm (26 inches)
- **Flying Weight:** 190g
- **Material:** Foam
- **Power Source:** Battery Powered (Electric)
- **Motor:** MF1905 2400KV
- **ESC:** 10A (JST Plug)
- **Servos:** 3.7g (4 pieces)
- **Propeller:** 7-inch Plastic
- **Transmitter:** HOT RC HT-10A (Right Throttle)
- **Receiver:** HOT RC F-10A 10CH

- **Manufacturer Minimum Age:** 18 years (216 months)
- **Item Weight (Package):** Approximately 1 Pound
- **Package Dimensions:** 24 x 6.3 x 1.8 inches (605mm x 160mm x 45mm)
- **UPC:** 768713958130



Packaging box for the KITFOX-XL RC foam airplane kit, displaying dimensions (605mm x 160mm x 45mm) and weight (450g).

9. WARRANTY INFORMATION

For detailed warranty information regarding your Dancing Wings Hobby KITFOX-XL RC Foam Airplane, please refer to the terms and conditions provided at the time of purchase or visit the official Dancing Wings Hobby website. Warranty coverage typically applies to manufacturing defects and does not cover damage resulting from misuse, accidents, or unauthorized modifications.

10. CUSTOMER SUPPORT

If you require assistance with assembly, operation, or troubleshooting that is not covered in this manual, please contact the seller or manufacturer directly. Have your model number (EA0204-R10) and purchase details ready when contacting support.

Manufacturer: DW Hobby

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

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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