Fms F3A Olympus

Fms F3A Olympus RC Airplane 1400mm Wingspan Instruction Manual

Introduction

This manual provides essential information for the safe and effective operation of your Fms F3A Olympus RC Airplane. Please read it thoroughly before assembly and flight to ensure optimal performance and safety. The F3A Olympus is a 1400mm (55.1") wingspan 4-channel aerobatic 3D RC airplane, designed for expert pilots.

Key Features:

- Robust Power: Equipped with a high-output 4250 KV550 high-performance motor and high-speed 17g digital metal gear servos, ensuring outstanding flight performance.
- Exquisite Simulation: Carefully designed cockpit details and pilot figure add a realistic touch to your flying experience.
- Efficient Propulsion: Fitted with an efficient and robust wooden propeller, delivering maximum thrust while reducing vibrations for a smooth flight.
- Sturdy Landing Gear: Featuring a robust landing gear system capable of handling demanding landings, enhancing the aircraft's overall durability.
- Superior Durability: Constructed with top-quality EPO foam material, the large-scale control surfaces are perfect for aerobatic maneuvers, ensuring a flawless representation of the aircraft's appearance and details.

Safety Information

Operating remote-controlled aircraft requires caution and adherence to safety guidelines. Failure to do so may result in injury or damage to property.

- Always operate in an open, outdoor environment, away from people, buildings, and other obstacles.
- Ensure all components are securely fastened before each flight.
- Use only recommended batteries (Li-Po 6S 3300 mAh 30C) and chargers. Improper battery handling can lead to fire or explosion.
- Keep hands clear of the propeller when the battery is connected.
- Do not fly in strong winds or adverse weather conditions.
- This product is recommended for individuals aged 14 and above with expert experience in RC aircraft.

Package Contents

The Fms F3A Olympus is a Plug and Play (PNP) model. This means it comes with the ESC, motor, and servos pre-installed. The transmitter, receiver, battery, and charger are **NOT** included and must be purchased separately.

- Fms F3A Olympus RC Airplane (main fuselage, wings, tail sections)
- Brushless motor 4258-KV550 (pre-installed)
- ESC: 70A (pre-installed)
- Servos: 4 x 17g metal digital (pre-installed)
- Propeller: 15 x 8 in 2 blade
- Landing gear components
- Control links and pushrods
- Instruction Manual

Setup and Assembly

Follow these steps for the final assembly of your Fms F3A Olympus RC Airplane. No glue is required for assembly.

1. **Unpacking:** Carefully remove the RC airplane components from its packaging. Inspect all parts for any damage.
2. **Landing Gear Installation:** Attach the main landing gear to the fuselage using the provided screws. Ensure they are securely fastened.
3. **Tail Section Assembly:** Secure the horizontal and vertical stabilizers to the rear of the fuselage. Connect the control pushrods to the respective control horns on the elevator and rudder.
4. **Wing Installation:** Slide the wing spar into the fuselage. Attach the wings to the fuselage, ensuring the servo wires are properly routed and connected to the receiver. Secure the wings using the designated fasteners.
5. **Propeller Installation:** Install the 15x8 inch 2-blade propeller onto the motor shaft, followed by the spinner. Ensure the propeller is oriented correctly for thrust.
6. **Battery and Receiver Installation:** Install your recommended Li-Po 6S 3300 mAh 30C battery into the spacious battery compartment. Secure it to prevent movement during flight. Connect your 4-channel radio receiver to the pre-installed ESC and servos.
7. **Control Surface Check:** Power on your transmitter and then the aircraft. Test all control surfaces (ailerons, elevator, rudder) to ensure they move freely and in the correct direction relative to your stick inputs. Adjust linkages if necessary.

Image: Fms F3A Olympus RC Airplane in flight, showcasing its design from the underside.

Image: Fms F3A Olympus RC Airplane in flight, displaying the top side of the aircraft.

Assembly Demonstration (Illustrative - Different Model)

Your browser does not support the video tag.

Video: This video demonstrates the installation process for a 1500mm Maule RC plane. While a different model, it illustrates general assembly steps for FMS aircraft, including landing gear, wings, and tail sections.

Your browser does not support the video tag.

Video: An unboxing video for the 1500mm Cessna 182. This video provides a visual overview of how FMS planes are packaged and the components included, which can be helpful for understanding the initial setup of your F3A Olympus.

Pre-Flight Checks

- **Center of Gravity (CG):** Verify the aircraft's CG is between 180-190mm from the leading edge of the wing. Adjust battery position as needed to achieve the correct balance.
- **Control Surface Movement:** Confirm that all control surfaces respond correctly to transmitter inputs (ailerons, elevator, rudder). Ensure full and free movement without binding.
- **Battery Security:** Double-check that the flight battery is securely fastened within the compartment to prevent shifting during flight. A loose battery can drastically alter the CG and lead to loss of control.
- **Propeller and Spinner:** Ensure the propeller and spinner are tightly secured and free from damage.
- **Radio Range Check:** Perform a range check of your radio system according to your transmitter's manual to ensure reliable control.

Operating Instructions

The Fms F3A Olympus is designed for expert pilots capable of aerobatic and 3D maneuvers. It is recommended for outdoor use.

- **Takeoff:** With the aircraft facing into the wind, gradually increase throttle. Apply slight up-elevator as speed builds to lift off smoothly.
- **Basic Flight:** Maintain a safe altitude and practice gentle turns using ailerons and rudder. Use elevator for pitch control.
- **Aerobatic Maneuvers:** For experienced pilots, the F3A Olympus is capable of a wide range of aerobatic maneuvers due to its large control surfaces and powerful motor. Practice at a safe altitude.
- **Landing:** Approach into the wind, reducing throttle gradually. Maintain sufficient airspeed to avoid stalling. Gently flare (apply up-elevator) just before touchdown for a smooth landing.
- **Flight Duration:** Approximate flying duration is 6 minutes with a recommended 6S 3300 mAh battery. Monitor your battery voltage to avoid over-discharging.

Flight Demonstration (Illustrative - Different Models)

Your browser does not support the video tag.

Video: Features and flight demonstration of the FMS 2000mm DH-2 Beaver V2. This video showcases various flight maneuvers and the aircraft's stability, providing insight into the flight characteristics of FMS planes.

Your browser does not support the video tag.

Video: Flight footage of an FMS Futura jet. This video demonstrates high-speed flight and aerobatic capabilities, which are also features of the F3A Olympus.

Maintenance

Regular maintenance ensures the longevity and safe operation of your Fms F3A Olympus.

- **Post-Flight Inspection:** After each flight, inspect the airframe (EPO foam) for any cracks or damage. Check the propeller for nicks or bends.
- **Control Linkages:** Ensure all control linkages are free from play and securely attached.
- **Motor and ESC:** Check the motor for smooth rotation and ensure the ESC connections are secure. Allow components to cool after flight.
- **Landing Gear:** Inspect the landing gear for any bends or loose connections, especially after hard landings.
- **Battery Care:** Store Li-Po batteries at a storage voltage and in a fire-safe container when not in use. Do not overcharge or over-discharge.

Troubleshooting

Problem	Possible Cause	Solution
Loss of control/Unstable flight	Incorrect Center of Gravity (CG), loose battery, radio interference, damaged control surface.	Adjust CG, secure battery, perform radio range check, inspect and repair control surfaces.
Motor not spinning or weak power	Low battery voltage, loose motor/ESC connections, damaged motor/ESC.	Charge battery, check all connections, replace damaged components.

Problem	Possible Cause	Solution
Control surfaces not responding	Loose servo connection, damaged servo, receiver issue.	Check servo connections to receiver, replace faulty servo, rebind receiver.
Battery slides out during flight	Insufficient battery retention.	Ensure battery is secured with straps or foam to prevent movement.

Specifications

Feature	Detail
Wingspan	1400mm / 55.1in
Overall Length	1548mm / 61in
Flying Weight	2400g
Motor Size	Brushless motor 4258-KV550
ESC	70A
Servo	4 x 17g metal digital
Radio	4 Channel (Not Included)
CG (Center of Gravity)	180-190mm (From Leading Edge)
Prop Size	15 x 8 in 2 blade
Recommended Battery	Li-Po 6S 3300 mAh 30C (Not Included)
Aileron	Yes
Elevator	Yes
Rudder	Yes
Flaps	No
Retracts	No
Approx. Flying Duration	6 minutes
Minimum Age Recommendation	14+
Experience Level	Expert
Recommended Environment	Outdoor
Assembly Time	45 mins
Is Assembly Required	Yes
Material	EPO

Feature	Detail
Model Number	FMM067P2
UPC	611138803410

Warranty and Support

Your Fms F3A Olympus RC Airplane comes with a 30-day refund/replacement return policy. For any issues, please contact FMS Support.

- **Damaged During Shipping:** If your package was damaged during shipping, please contact FMS Support immediately. Provide photos of the damaged product and packaging.
- **Incorrect Product Received:** If you received the wrong product, keep all packing material and original boxes. You will be required to return the incorrect item (FMS will cover return shipping costs), and the correct item will be shipped once the new, unused product is returned.
- For further assistance, visit the Fms Store on Amazon.