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› Fms J-11 70mm EDF RC Jet Plane Instruction Manual

Fms J-11

Fms J-11 70mm EDF RC Jet Plane

INSTRUCTION MANUAL - MODEL FMS132P

1. Introduction

This manual provides essential information for the safe assembly, operation, and maintenance of your Fms J-11 70mm EDF RC Jet Plane. The J-11 is a Plug and Play (PNP) model, meaning it comes with the Electronic Speed Controller (ESC), motor, and servos pre-installed. A separate transmitter, receiver, battery, and charger are required for operation. The Fms J-11 is a highly detailed remote-controlled aircraft, replicating the J-11 fighter. It features dual 70mm inrunner 12-bladed EDFs and high-quality 80A ESCs for powerful performance. Key features include functional airbrakes, LED navigation and landing lights, full-motion tail, and a retractable landing gear system with sequencing gear doors.



Image 1.1: The Fms J-11 70mm EDF RC Jet Plane, showcasing its detailed design and weaponry.

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.

- **Flying Area:** Always fly in open areas away from people, buildings, power lines, and roads. Avoid flying near

airports or restricted airspace.

- **Weather Conditions:** Do not fly in strong winds, rain, or other adverse weather conditions.
- **Pre-Flight Check:** Before each flight, ensure all control surfaces move freely and correctly, batteries are fully charged, and all connections are secure.
- **Battery Safety:** Use only recommended batteries and chargers. Always charge batteries on a fire-resistant surface and never leave charging batteries unattended. Disconnect batteries when not in use.
- **Propeller/EDF Safety:** Keep hands, face, and loose clothing away from the EDF units when the aircraft is powered on. The EDFs can cause severe injury.
- **Age Recommendation:** This product is recommended for users aged 14 years and older. Adult supervision is advised for younger operators.
- **Respect Others:** Be mindful of others in your flying area and always yield to full-scale aircraft.

3. Package Contents

Your Fms J-11 PNP package includes the following components:

- Fms J-11 Airframe with pre-installed EDF units, ESCs, and servos.
- Receiver (if specified in your purchase option).
- Various small parts for assembly (e.g., screws, control horns, linkages).

Note: This PNP version **does not include** a radio transmitter, flight battery, or battery charger. These items must be purchased separately.

4. Setup and Assembly

Follow these general steps for assembling your Fms J-11. Refer to any specific diagrams or instructions included in your product packaging for detailed visual guidance.

1. **Wing Installation:** Securely attach the main wings to the fuselage using the provided screws. Ensure all wiring for ailerons and flaps (if applicable) is connected correctly.
2. **Tail Assembly:** Attach the horizontal and vertical stabilizers. Connect the linkages to the elevator and rudder servos. The J-11 features a full-motion tail, so ensure its mechanism operates smoothly.
3. **Landing Gear:** Verify the electronic retracts are functioning correctly. The J-11's robust landing gear with large-size bearings is designed for stability.
4. **Receiver Installation:** Install your chosen RC receiver in the designated compartment. Connect the servo leads from the aircraft to the corresponding channels on your receiver (e.g., aileron, elevator, rudder, throttle, retracts, flaps, lights).
5. **Battery Placement:** Position your flight battery in the battery compartment, ensuring the aircraft's Center of Gravity (CG) is within the recommended range. Secure the battery to prevent shifting during flight.
6. **Control Surface Checks:** Power on your transmitter and aircraft. Verify that all control surfaces (ailerons, elevator, rudder) move in the correct direction relative to your stick inputs. Adjust servo reversals on your transmitter if necessary.
7. **Ordnance Attachment:** Attach any detachable ordnance (missiles, fuel tanks) to the wing pylons or fuselage hardpoints as desired.



Image 4.1: Front view of the Fms J-11, showing the nose cone and cockpit details.

5. Operating Instructions

Before your first flight, ensure you are familiar with your transmitter's operation and the basic principles of RC flight.

1. Pre-Flight Checks:

- Ensure flight battery is fully charged and securely installed.
- Verify transmitter battery is charged.
- Confirm all control surfaces respond correctly and have full travel.
- Check for any loose connections or damage to the airframe.
- Ensure the flying area is clear and safe.

2. Take-off:

- Place the aircraft on a smooth, level surface, facing into the wind if possible.
- Advance the throttle smoothly to full power. Maintain a straight path with rudder input.
- Once sufficient speed is gained, gently apply up elevator to lift off.
- Retract landing gear once airborne and at a safe altitude.

3. Flight:

- The J-11 offers precise control with ball link style control horns for agile maneuvers.
- Practice gentle turns and altitude control before attempting advanced aerobatics.
- Monitor your flight battery voltage if your transmitter has telemetry.

4. Landing:

- Approach the runway into the wind.
- Extend landing gear at a safe distance and altitude.
- Reduce throttle and manage descent with elevator.
- Maintain a slight nose-up attitude for a smooth touchdown.

- Apply gentle braking if available, or allow the aircraft to roll to a stop.



Image 5.1: The Fms J-11 during take-off, demonstrating its ground handling capabilities.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your Fms J-11.

- **Post-Flight Inspection:** After each flight, check for any damage to the airframe, control surfaces, landing gear, and EDF units.
- **Cleaning:** Wipe down the aircraft with a soft, damp cloth to remove dirt and debris. Avoid using harsh chemicals.
- **Control Linkages:** Periodically check all control linkages and horns for looseness or wear. Ensure they are securely fastened.
- **Motor/EDF Units:** Inspect the EDF fan blades for damage. Ensure the motors spin freely and quietly.
- **Landing Gear:** Check the electronic retracts for smooth operation. Lubricate moving parts if necessary. The large-size bearings in the wheel hub should be inspected for smooth rotation.
- **Battery Care:** Store LiPo batteries at a storage voltage (typically 3.8V per cell) when not in use for extended periods. Do not store fully charged or fully discharged.
- **Storage:** Store the aircraft in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

This section addresses common issues you might encounter with your Fms J-11.

Problem	Possible Cause	Solution
Aircraft does not respond to controls.	Receiver not bound to transmitter; low battery (aircraft or transmitter); loose connections.	Re-bind receiver; charge/replace batteries; check all wiring connections.
Short flight time.	Battery not fully charged; old/damaged battery; aggressive throttle use.	Ensure battery is fully charged; replace old batteries; manage throttle for efficiency.
Landing gear does not retract/extend.	Wiring issue; mechanical obstruction; servo problem; over current protection activated.	Check wiring to retracts; clear any obstructions; inspect retract mechanism; cycle power.
Aircraft pulls to one side during take-off.	Misaligned landing gear; uneven thrust from EDFs; rudder trim incorrect.	Inspect landing gear alignment; check EDF operation; adjust rudder trim on transmitter.

8. Specifications

Key technical specifications for the Fms J-11 70mm EDF RC Jet Plane:

- **Model:** J-11
- **Item Model Number:** FMS132P
- **Power System:** Dual 70mm Inrunner 12-bladed EDFs
- **ESCs:** High-quality 80A ESCs
- **Servos:** Pre-installed metal gear servos with ball link style control horns
- **Landing Gear:** Electronic retracts with locked-rotor mode and over current protection; large-size bearings in wheel hubs.
- **Features:** Functional large size airbrake, LED navigation lights & landing lights, full-motion tail, landing gear door with sequencing effect.
- **Recommended Age:** 14 years and up
- **Item Weight:** Approximately 218 pounds (Note: This weight appears to be an error in the source data and likely refers to shipping weight or a different product. Actual RC jet weight will be significantly less.)



Image 8.1: The Fms J-11 in flight, highlighting its dual 70mm EDFs, functional airbrake, and detailed cockpit.

9. Warranty and Support

For product support, technical assistance, or warranty inquiries, please contact Fms customer service directly. Refer to the official Fms website or your purchase documentation for contact details.

Regarding returns, this product is returnable until January 31, 2026, as per Amazon's policy. Please consult Amazon's return policy for specific conditions and procedures.

Extended protection plans are available for purchase separately, offering additional coverage beyond the standard manufacturer's warranty. These include 2-Year and 3-Year Protection Plans, as well as a Complete Protect plan.

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

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

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