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› Fms 64mm F-16 Fighting Falcon RC Jet Instruction Manual

Fms FMS146PBT

Fms 64mm F-16 Fighting Falcon RC Jet Instruction Manual

Model: FMS146PBT | Brand: Fms

1. PRODUCT OVERVIEW

The Fms 64mm F-16 Fighting Falcon is a remote-controlled EDF (Electric Ducted Fan) jet designed for hobby enthusiasts. This model is available in two paint schemes: Battlefield Gray and Thunderbird. It features a durable EPO foam construction and includes pre-installed electronic components for a Plug and Play (PNP) setup.

64MM F16



Image: Fms 64mm F-16 Fighting Falcon RC Jet in Thunderbird paint scheme.

- **Classic Multi-Role Fighter Jet Design:** The F-16 "Fighting Falcon" model is an RC EDF jet designed for hobby use. It offers flight performance and is designed for ease of installation. Pre-installed ball-joint control horns reduce structural play and increase control surface travel.
- **Landing Gear System:** The front landing gear features CNC-machined aluminum parts with plastic struts for shock absorption. The rear landing gear uses plastic-wrapped steel wire for durability and realism, suitable for various landing surfaces.
- **Navigation Lights:** Detailed navigation lights are present on the wings, vertical stabilizer, and intake, following the standard aviation lighting scheme (left red, right green, rear white). These lights aid visibility during low-light conditions.
- **Available Paint Schemes:** The model is available in two paint schemes: Battlefield Gray and Thunderbird airshow team scheme. The Battlefield Gray variant includes realistic fuel tanks, missiles, and five sets of different decals for customization.
- **Scale Details:** The model incorporates realistic cockpit details, fuselage panel lines, antennas, and pitot tubes to replicate the appearance of the actual F-16 aircraft.

2. WHAT'S IN THE BOX

The Fms 64mm F-16 Fighting Falcon PNP package includes the following components:

- 64mm F-16 Fighting Falcon PNP aircraft
- 2800 KV3150 Motor (pre-installed)
- 40A ESC with Reverse Thrust Function (pre-installed)
- 6x 9g Digital Servos (pre-installed)

Rich navigation lights

Improving visibility and realism



Image: Unboxed components of the Fms 64mm F-16 Fighting Falcon.

3. SETUP AND ASSEMBLY

Assembly is required for this model. The following steps outline the general assembly process. Refer to the detailed instruction manual included in your package for specific diagrams and instructions.

1. Assemble the landing gear components.

2. Attach any remaining pre-installed components as per the manual.
3. Perform control surface adjustments to ensure proper maneuverability.
4. Ensure all connections are secure and components are correctly aligned.

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Video: Unboxing and initial assembly overview of the Fms 64mm F-16 Fighting Falcon. This video demonstrates the contents of the package and the initial steps to prepare the aircraft for flight.

CNC LANDING GEAR



CNC machined built-in spring dampers effectively reduce landing pressure, improving airplane landing posture

Image: Detailed view of the cockpit and pre-installed servo arm.

4. OPERATING INSTRUCTIONS

This F-16 Fighting Falcon model is a remote-controlled aircraft. A compatible radio transmitter, receiver, battery, and charger are required and sold separately (PNP version). Ensure your radio system is properly bound and configured according to its own manual before attempting flight.

Pre-Flight Checklist:

- Verify all control surfaces (ailerons, elevator, rudder) move freely and in the correct direction relative to your transmitter inputs.
- Check battery charge level and secure the flight battery within the aircraft.
- Inspect all connections for security.
- Ensure the flying area is clear of obstacles and people.

Flight Tips:

- Begin with gentle control inputs, especially for initial flights.
- Familiarize yourself with the aircraft's response at various speeds and altitudes.
- Utilize the authentic navigation lights for improved orientation during low-light conditions.
- Practice takeoffs and landings in a controlled environment.

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Video: Flight demonstration of the Fms 64mm F-16 Fighting Falcon RC Jet. This video showcases the aircraft's flight characteristics and maneuverability.

5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your Fms 64mm F-16 Fighting Falcon. Regular inspections and care are recommended.

- **Post-Flight Inspection:** After each flight, check the airframe for any damage, especially to the EPO foam. Inspect the landing gear for bends or breaks.
- **Control Surface Check:** Verify that all control surfaces and linkages are free from obstruction and operate smoothly. Ensure servo arms are secure.
- **Motor and ESC:** Check the motor and Electronic Speed Controller (ESC) for any signs of overheating or damage. Keep the EDF unit clear of debris.
- **Battery Care:** Follow the manufacturer's guidelines for charging, discharging, and storing your Lithium-Ion Polymer (LiPo) batteries.
- **Cleaning:** Clean the aircraft with a soft, dry cloth. Avoid using harsh chemicals that could damage the foam or paint.
- **Storage:** Store the aircraft in a cool, dry place away from direct sunlight and extreme temperatures.



Image: Navigation lights on the F-16 model, important for visibility and maintenance checks.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Fms 64mm F-16 Fighting Falcon. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Aircraft does not respond to controls.	Unbound receiver, low transmitter/receiver battery, damaged wiring.	Ensure transmitter and receiver are bound. Check battery levels. Inspect wiring for loose connections or damage.
Motor not spinning or spinning intermittently.	ESC not armed, motor/ESC connection issue, damaged motor/ESC.	Ensure throttle is at zero and ESC is armed (refer to ESC manual). Check motor and ESC connections. Replace damaged components if necessary.

Problem	Possible Cause	Solution
Poor flight performance or instability.	Incorrect control surface trim, unbalanced aircraft, damaged airframe.	Adjust control surface trims. Check center of gravity (CG). Inspect airframe for damage and repair as needed.
Landing gear issues (e.g., not extending/retracting, breaking).	Obstruction, servo issue, damage from hard landing.	Clear any obstructions. Check landing gear servo operation. Inspect for damage and replace parts if required.

7. SPECIFICATIONS

Feature	Detail
Brand Name	Fms
Model Name	Fighting Falcon
Manufacturer Part Number	FMS146PBT
Included Components	64mm F-16 Fighting Falcon PNP, 2800 KV3150 Motor (installed), 40A ESC with Reverse Thrust Function (installed), 6x 9g Digital Servo (installed)
Material Type	Foam (EPO)
Power Source	Battery Powered (LiPo, not included)
Operation Mode	Remote Control
Scale	1/64th
Color Options	Gray (Battlefield Gray), Thunderbird Airshow Team Colors
Item Weight	2.9 Kilograms
Dimensions	42.9 in x 28 in
Assembly Required	Yes
Indoor/Outdoor Usage	Outdoor



Image: Fms 64mm F-16 Fighting Falcon RC Jet in Battlefield Gray paint scheme.

8. WARRANTY AND SUPPORT

This product is typically covered by a 30-day return policy. For specific warranty details, product support, or to report damaged items, please refer to the documentation provided with your purchase or contact the seller, Fair RC, directly. Keep all packing material and original boxes if a return is necessary.

For common questions regarding FMS products, you may also refer to the brand's FAQ section, which covers topics such as product types (RTF vs. PNP), shipping, and handling of damaged or incorrect products.

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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