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> VOLANTEXRC F-16 Fighting Falcon RC Jet Plane Instruction Manual

volantexrc US-EXA76110

VOLANTEXRC F-16 Fighting Falcon RC Jet Plane Instruction Manual

Model: US-EXA76110

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation of your VOLANTEXRC F-16 Fighting Falcon RC Jet Plane. Please read this manual thoroughly before operating the aircraft to ensure proper setup, flight, and maintenance. This remote control plane is designed for experienced users due to its advanced features and aerobatic capabilities.

SAFETY INFORMATION

Operating remote control aircraft requires caution. Failure to operate safely can result in injury or property damage. Adhere to the following safety guidelines:

- Always operate the aircraft in open, clear areas, away from people, animals, buildings, and power lines.
- Do not fly in strong winds, rain, or other adverse weather conditions.
- Ensure all batteries (aircraft and transmitter) are fully charged before each flight.
- Inspect the aircraft for any damage before and after each flight. Do not fly if damaged.
- Keep hands and loose clothing away from the propeller when the aircraft is powered on.
- Adult supervision is recommended for all flights, especially for less experienced pilots.
- Store batteries in a cool, dry place and follow all charging instructions to prevent fire hazards.

WHAT'S IN THE BOX

Your VOLANTEXRC F-16 Fighting Falcon package includes the following items:

- RC Jet Plane (F-16 Fighting Falcon)
- Remote Control Transmitter
- Flight Battery
- Charging Cable
- Extra Propellers
- Product Manual (this document)



Figure 1: Package contents, highlighting the pre-assembled aircraft and accessories.

SETUP

The VOLANTEXRC F-16 Fighting Falcon comes largely pre-assembled. Follow these steps to prepare for your first flight:

1. **Charge the Flight Battery:** Connect the flight battery to the charging cable and then to a suitable USB power source. Ensure the battery is fully charged before use. Refer to the battery and charger instructions for specific charging times and indicators.
2. **Install Transmitter Batteries:** Open the battery compartment on the back of the remote control transmitter. Insert 4 AA batteries (not included, or as specified in the product packaging) ensuring correct polarity. Close the compartment securely.
3. **Power On Sequence:** First, turn on the transmitter. Then, connect the flight battery to the aircraft. Place the aircraft on a flat, level surface for gyroscope calibration.
4. **Binding (if necessary):** If the aircraft and transmitter do not connect automatically, refer to the specific binding instructions in the included product manual.

OPERATING INSTRUCTIONS

The F-16 Fighting Falcon offers an engaging flight experience with advanced stabilization and aerobatic features.

Xpilot Stabilizer System

The integrated Xpilot gyro stabilizer system provides enhanced stability, making the aircraft easier to control, especially in windy conditions. This system assists in maintaining level flight and smooth maneuvers.



Figure 2: Xpilot Stabilization System in action, providing flight assistance.

3-Level Flight Control

Adjust the flight control mode to match your skill level:

- **Full Assist (Beginner Mode):** Provides maximum stabilization and restricted control angles for easy learning.
- **Soft Assist (Intermediate Mode):** Offers increased control angles with moderate stabilization.
- **Slight Assist (Expert Mode):** Minimal stabilization, allowing for complete manual control and advanced maneuvers.



Figure 3: Visual representation of the 3-Level Flight Control modes.

One-Key Aerobatics

Perform impressive aerobatic maneuvers with a single button press. Ensure sufficient altitude and clear airspace before attempting these:

- **One-Key Roll:** Initiates a barrel roll.
- **One-Key Flip:** Executes a flip maneuver.
- **One-Key U-Turn:** The aircraft will automatically turn around and fly in the opposite direction.



Figure 4: One-Key Aerobatics feature for performing rolls and flips.



Figure 5: One-Key U-Turn function, allowing the aircraft to reverse direction automatically.

Takeoff Procedure

For optimal takeoff, especially for beginners, hand-throwing is recommended:

1. Hold the middle of the plane firmly.
2. Select beginner or intermediate flight mode on your transmitter.
3. Push the throttle to full (3/3).
4. Throw the plane forward horizontally into the wind with a gentle, firm toss.

How To Take Off

- Hold the middle of the plane;
- Choose the beginner or intermedia mode;
- Push the throttle to 3/3;
- Throw the plane forward horizontally.

Suggestion for Beginner: Take off by hand th



Figure 6: Recommended hand-throw method for takeoff.

2.4GHz Remote Control

The 2.4GHz radio control system provides a reliable operating range of up to 656 feet (200 meters) with strong anti-interference capabilities, allowing multiple aircraft to fly simultaneously without signal conflicts.



Figure 7: 2.4GHz remote control system for extended range and interference-free operation.

Official Product Video

Your browser does not support the video tag.

Video 1: Official product video demonstrating the VOLANTEXRC F-16 Fighting Falcon in flight, showcasing its features and aerobatic capabilities.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RC jet plane:

- **Cleaning:** After each flight, gently wipe down the aircraft with a soft, dry cloth to remove dirt, dust, or moisture. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check the propeller for cracks, bends, or damage. Replace damaged propellers immediately using the provided extra propellers. A damaged propeller can affect flight performance and safety.
- **Battery Care:** Always store batteries in a cool, dry place. Do not overcharge or over-discharge batteries. Disconnect batteries from the aircraft when not in use.

- **Structural Integrity:** Periodically inspect the foam body, wings, and tail for any signs of damage or loose parts. Use appropriate foam-safe adhesive for minor repairs.
- **Storage:** Store the aircraft in its original packaging or a protective case to prevent damage when not in use. Keep it away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your F-16 Fighting Falcon, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Aircraft veers or does not take off straight.	Incorrect trim settings; damaged landing gear/wheels; uneven thrust.	Adjust trim on the transmitter. Inspect landing gear for damage. Ensure propeller is undamaged and motor is functioning correctly. Hand-launch if ground takeoff is problematic.
Aircraft struggles to gain altitude or nose dives.	Insufficient throttle; incorrect launch technique; low battery; damaged propeller.	Ensure full throttle during launch. Perform a firm, horizontal hand-throw into the wind. Fully charge the flight battery. Replace damaged propellers.
Gyro stabilization not working or plane is unstable.	Improper calibration; sensor malfunction; incorrect flight mode.	Ensure the aircraft is placed on a flat, level surface during power-on for proper gyro calibration. Verify the selected flight mode. If issues persist, contact support.
One-Key Aerobatics (e.g., U-turn) not responding.	Insufficient altitude; incorrect button sequence; system glitch.	Ensure the aircraft is at a safe altitude. Follow the exact button sequence as described in the manual. Restart the aircraft and transmitter.
Controller disconnects during flight.	Low transmitter battery; out of range; signal interference.	Replace transmitter batteries. Ensure you are within the specified operating range (up to 656 ft). Avoid areas with strong radio interference.
Physical damage (e.g., battery compartment door, wheels, missile rails).	Impact during flight/landing; manufacturing defect.	For minor damage, use appropriate foam-safe adhesive for repair. For significant damage or manufacturing defects, contact customer support for assistance or replacement parts.

SPECIFICATIONS

Feature	Detail
Brand	volantexcrc
Model Name	US-EXA76110
Age Range	Adult (Manufacturer Maximum Age: 120 months)
Material Type	Foam, Plastic
Power Source	Battery Powered
Operation Mode	Remote Control (2.4GHz)
Flight Time	Up to 20 minutes per battery (approximate)
Control Distance	Up to 656 ft (200 meters)

Feature	Detail
Number of Channels	4 Channels with Aileron
Motor Type	Powerful Coreless Motor
Stabilization System	Xpilot Gyro Stabilizer System
Flight Control Modes	3-Level (Full Assist, Soft Assist, Slight Assist)
Aerobatic Features	One-Key Roll, One-Key Flip, One-Key U-Turn
Included Components	RC Jet Plane, Remote, Battery, Charging Cable, Extra Propellers, Product Manual
Color	Gray
Dimensions (L x W x H)	13.23 x 10.24 x 3.82 inches
Indoor/Outdoor Usage	Outdoor
Educational Objective	Develop remote control flying skills, hand-eye coordination, strategic thinking

WARRANTY INFORMATION

VOLANTEXRC products are covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the official VOLANTEXRC website or contact customer support.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need replacement parts, please contact VOLANTEXRC customer support. Contact information can typically be found on the product packaging, the official VOLANTEXRC website, or through your retailer.

Manufacturer: EXHOBBY

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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

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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