VOLANTEXRC EXA76206

VOLANTEXRC BF109 3-Channel RC Plane Instruction Manual

Model: EXA76206

INTRODUCTION

This manual provides essential information for the safe and effective operation of your VOLANTEXRC BF109 3-Channel Remote Control Airplane. Please read it thoroughly before assembly and flight to ensure optimal performance and safety. This model is designed for beginners and experienced pilots alike, featuring a 6-axis gyro stabilization system for easy control.

SAFETY INFORMATION

- Always operate the aircraft in open areas, away from people, buildings, and obstacles.

- Avoid flying in strong winds or adverse weather conditions.

- Ensure all batteries are fully charged and correctly installed before each flight.

- Keep hands and face clear of propellers when the aircraft is powered on.

- Adult supervision is recommended for younger users.

BOX CONTENTS

Your VOLANTEXRC BF109 package includes the following items:

- VOLANTEXRC BF109 RC Plane (Pre-assembled)

- 2.4GHz Remote Control Transmitter

- Rechargeable Lithium Batteries (x2)

- USB Charging Cable

- Extra Propellers

- Landing Gear Set

- Instruction Manual
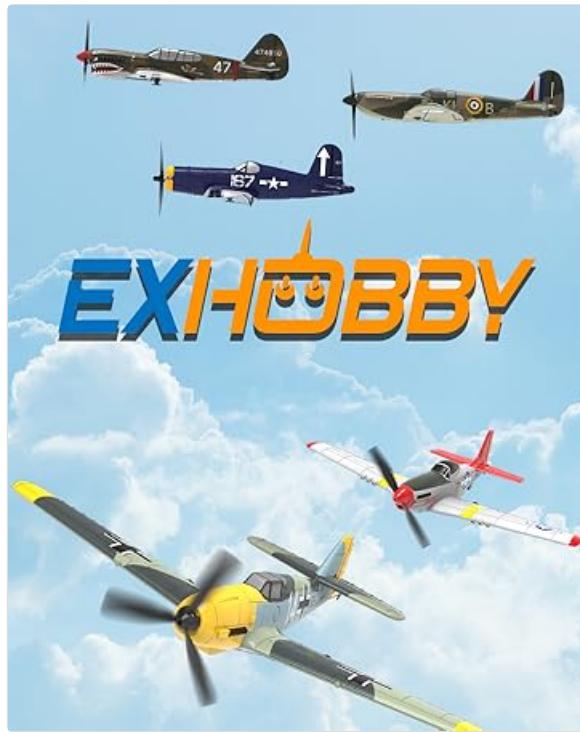
Image: Contents of the VOLANTEXRC BF109 package.

SETUP

1. Landing Gear Installation

Carefully attach the landing gear to the designated slots on the underside of the aircraft. Ensure they are securely fastened for ground take-offs and landings.

6-AXIS GYRO STABILIZER

No panic, just enjoy flying with gyro assist
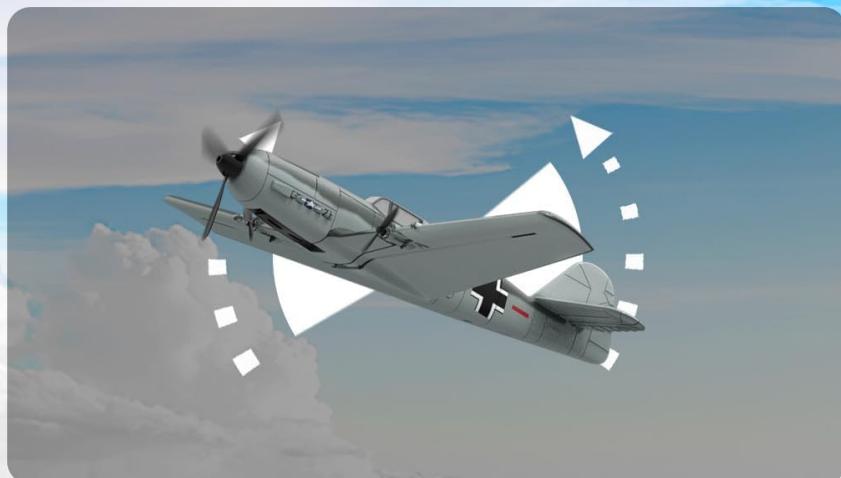
Image: Attaching the landing gear to the aircraft.

2. Propeller Attachment

The main propeller is typically pre-installed. If replacement is needed, carefully align the new propeller with the motor shaft and press firmly. Ensure the small side propellers are also securely in place.

Image: Detail of the propeller assembly.

3. Battery Installation

- **Aircraft Battery:** Open the battery hatch on the bottom of the airplane. Connect the flight battery and carefully place it inside the compartment. Close the hatch.

- **Remote Control Battery:** Insert 4 AA batteries (not included) into the remote control's battery compartment.

Image: Battery compartment on the underside of the plane.

4. Gyro Calibration

Place the airplane on a horizontal surface before powering it on. This allows the 6-axis gyro system to calibrate correctly, ensuring stable flight. The key is to keep it left-and-right balanced.

Image: Visual representation of the 6-axis gyro stabilizer.

OPERATING

1. Remote Control Functions

The 2.4GHz remote control provides precise 3-channel control:

- **Left Stick (Throttle):** Controls the speed of the propellers for ascent and descent.
- **Right Stick (Elevator/Yaw):** Controls pitch (up/down) and yaw (left/right turns).
- **Trimmers:** Used to fine-tune the aircraft's flight path if it drifts.

2. Take-off Procedures

The BF109 offers two methods for take-off:

- **Hand Throw:** Hold the aircraft firmly, apply full throttle, and gently throw it forward into the wind.
- **Ground Take-off:** Place the aircraft on a smooth, flat surface. Apply full throttle, and the aircraft will accelerate and lift off.

Image: Hand throw and ground take-off methods.

3. Flight Environment

For optimal flight experience, choose a large, open outdoor area free from trees, power lines, and other obstructions. The 2.4GHz radio system allows multiple aircraft to fly simultaneously without interference.

4. Low Battery Alarm

The transmitter will beep and its light will flash when the aircraft's battery is low, indicating it's time to land and recharge.

Image: Low battery alarm indication on the transmitter.

5. Official Product Video

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Video: An official VOLANTEXRC video demonstrating the BF109 3-Channel RC Airplane in flight, showcasing its stability and maneuverability.

MAINTENANCE

1. EPP Foam Durability

The aircraft is constructed from durable EPP foam, which is resilient to minor impacts. In case of damage, suitable foam-safe adhesive can be used for repairs.

2. Propeller Replacement

If a propeller is damaged, carefully pull it from the motor shaft. Replace it with an extra propeller, ensuring it's correctly oriented and securely attached.

3. Battery Charging

Use the provided USB charging cable to recharge the flight batteries. Connect the battery to the charger and plug the USB end into a suitable power source (e.g., computer USB port, USB wall adapter). The charging indicator will show the charging status.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Aircraft does not respond to remote control.	Low battery in aircraft or remote; improper binding; power switch off.	Charge aircraft battery; replace remote batteries; re-bind remote and aircraft; ensure aircraft power switch is on.
Aircraft drifts during flight.	Improper gyro calibration; wind interference; trim settings incorrect.	Recalibrate gyro on a horizontal surface; fly in calmer conditions; use digital trim buttons on the remote to adjust.
Propellers not spinning or spinning unevenly.	Damaged propeller; motor issue; loose connection.	Replace damaged propellers; check motor connections; contact support if motor issue persists.

SPECIFICATIONS

- **Model:** EXA76206 (BF109)
- **Channels:** 3-Channel
- **Stabilization:** 6-axis Gyro Stabilizer
- **Material:** EPP Foam
- **Flight Time:** Up to 40 minutes (with two included batteries)
- **Radio System:** 2.4GHz
- **Product Dimensions:** 13 x 13 x 5 inches

- **Item Weight:** 1.08 pounds
- **Recommended Age:** 14 years and up

WARRANTY & SUPPORT

For warranty information or technical support, please contact VOLANTEXRC customer service. Refer to the contact details provided on the product packaging or the official VOLANTEXRC website.

Related Documents - EXA76206

VOLANTEX RC 6-AXIS GYRO EASY FLYING TRAINNER USER MANUAL	**VolantexRC Trainstar Mini User Manual - 6-Axis Gyro Easy Flying Trainer** Comprehensive user manual for the VolantexRC Trainstar Mini, a 6-axis gyro assisted RC airplane designed for beginners. Includes safety, setup, charging, operation, and maintenance instructions.
RANGER 600 Stunt USER MANUAL	**VolantexRC Ranger 600S Stunt RC Airplane User Manual** Comprehensive user manual for the VolantexRC Ranger 600S Stunt RC Airplane, covering setup, operation, safety, and advanced features like X-PILOT and one-key functions. Includes detailed instructions for charging, binding, control surface calibration, and flight preparation.
VOLANTEX RC LEGEND WARBIRD SERIES USER MANUAL	**VolantexRC Legend Warbird Series RC Airplane User Manual** Comprehensive user manual for the VolantexRC Legend Warbird Series RC airplane, detailing safety, setup, operation, binding, control surface calibration, special functions like X-PILOT and one-key maneuvers, maintenance, and flight recommendations.
PHOENIX 2400 Phoenix V2 User Manual	**Volantex Phoenix 2400 V2 User Manual** Comprehensive user manual for the Volantex Phoenix 2400 V2 RC airplane, covering safety precautions, installation, flight checks, flying techniques, and charging instructions.
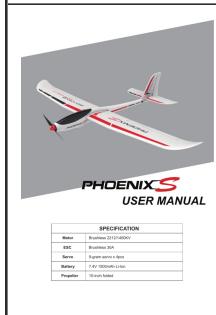
VOLANTEX RC LEGEND WARBIRD SERIES USER MANUAL 76105 v.07.2025	[VolantexRC Legend Warbird Series User Manual 76105](#) Comprehensive user manual for the VolantexRC Legend Warbird Series RC aircraft (model 76105), detailing safety, setup, operation, charging, and maintenance for optimal flight.
PHOENIX S USER MANUAL SPECIFICATION	[VolantexRC PhoenixS 742-7 RC Airplane Instruction Manual](#) Comprehensive guide to setting up, operating, and maintaining the VolantexRC PhoenixS 742-7 RC Glider, including safety precautions, charging instructions, and flight tips.