

VOLANTEXRC EXA76102

User Manual: VOLANTEXRC Ranger600 Stunt RC Plane

Model: EXA76102

1. INTRODUCTION

Thank you for purchasing the VOLANTEXRC Ranger600 Stunt RC Plane. This Ready-To-Fly (RTF) glider airplane is designed for both beginners and experienced pilots, featuring a 6-axis gyro stabilizer system for easy control and aerobatic capabilities. Please read this manual thoroughly before operating your aircraft to ensure safe and optimal performance.

2. SAFETY PRECAUTIONS

- **Age Recommendation:** This product is recommended for users aged 14 years and up. Adult supervision is advised for younger users.
- **Flying Environment:** Always fly in open, clear areas away from people, buildings, trees, and power lines. Avoid flying in strong winds (above 5-7 mph) or adverse weather conditions.
- **Propeller Safety:** Keep hands, face, and loose clothing away from the propeller when the aircraft is powered on. The propeller is rear-mounted for added safety, but caution is still necessary.
- **Battery Safety:** Use only the provided charger and batteries. Do not overcharge or short-circuit batteries. Store batteries in a cool, dry place away from flammable materials.
- **Pre-Flight Check:** Before each flight, ensure all components are securely attached, batteries are fully charged, and the control surfaces respond correctly to the transmitter inputs.
- **Loss of Control:** If you lose control of the aircraft, immediately cut the throttle and allow the plane to glide down. Do not attempt to catch a falling aircraft.

3. PACKAGE CONTENTS

Your VOLANTEXRC Ranger600 Stunt RC Plane package includes the following items:

- 1 x Ranger600 Stunt RC Plane (Pre-assembled)
- 1 x 2.4GHz Remote Control Transmitter
- 2 x Lithium Ion Batteries (installed)
- 1 x USB Charging Cable
- Spare Propellers (quantity may vary)
- User Manual



Image: The complete Ready-To-Fly package, showing the Ranger600 Stunt plane, its remote control, and two included batteries.

4. SETUP GUIDE

4.1. Assembly

The Ranger600 Stunt RC Plane comes largely pre-assembled. Typically, only minor attachment of wings or tail sections might be required. Refer to the quick start guide included in your package for specific assembly steps if needed. Ensure all connections are secure before proceeding.

4.2. Battery Charging

1. Connect the provided USB charging cable to a USB power source (e.g., computer USB port, USB wall adapter).
2. Connect the battery to the charging cable.
3. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
4. Charging typically takes about 30 minutes for a full charge. Do not leave batteries unattended while charging.

4.3. Transmitter Setup and Binding

1. Install 4 AA batteries (not included) into the remote control transmitter.
2. Turn on the transmitter. Ensure the throttle stick is in the lowest position.
3. Connect the flight battery to the aircraft. Place the aircraft on a flat surface.
4. The aircraft will automatically bind with the transmitter. A successful bind is usually indicated by a solid light on the aircraft's receiver and a confirmation sound.
5. Once bound, test the control surfaces (ailerons, elevator, rudder) by moving the sticks on the transmitter. Ensure they respond correctly and in the proper direction.



Image: Demonstrates the 2.4GHz remote control system, allowing multiple planes to fly simultaneously with minimal interference.

5. OPERATING INSTRUCTIONS

5.1. Flight Modes (Xpilot Gyro Stabilizer System)

The Xpilot gyro stabilizer system offers three levels of flight assistance, making it suitable for various skill levels:

- **Beginner Mode (Full Assist):** Provides maximum stabilization and restricted control angles, ideal for first-time flyers.
- **Intermediate Mode (Half Assist):** Offers moderate stabilization with increased control angles, suitable for pilots gaining confidence.
- **Expert Mode (Manual Control):** Disables gyro assistance, providing full manual control for experienced pilots to perform advanced maneuvers.

Switch between modes using the designated button on the transmitter (refer to your transmitter's specific layout).



Image: Visual representation of the Xpilot stabilizer system with its three flight modes: Beginner, Intermediate, and Expert.

5.2. One-Key Aerobatics

Perform impressive aerobatic stunts with ease. Simply press the dedicated aerobatic button on the transmitter, and the aircraft will automatically execute a roll or flip. This feature is designed for fun and to impress, even for beginners.



Image: The one-key aerobatic function allows the plane to perform a loop automatically with a single button press.

5.3. One-Key Take-Off

For effortless launches, utilize the one-key take-off function. Press the designated button, hold the left stick, and gently throw the plane forward. The aircraft will automatically ascend to a certain altitude and hover, awaiting your commands.

ONE KEY TAKE OFF

Press couple buttons and the aircraft takes off automatically to certain altitude.



Image: A hand launching the Ranger600 Stunt plane, demonstrating the one-key take-off feature.

5.4. General Flight Tips

- Start in Beginner Mode until you are comfortable with basic controls.
- Always maintain line of sight with your aircraft.
- Practice gentle control inputs. Sudden movements can lead to instability.
- Monitor battery levels. The transmitter may beep when the aircraft battery is low or out of range.
- For landing, reduce throttle and guide the plane into a gentle glide. Aim for a soft, level surface.

Your browser does not support the video tag.

Video: Gliders in the Sky - Demonstrates flight capabilities and features of the RC plane, including various maneuvers and stability.

6. MAINTENANCE

6.1. Cleaning

After each flight, gently wipe down the aircraft with a soft, dry cloth to remove any dirt, dust, or debris. Avoid using harsh chemicals or solvents that could damage the EPP foam material.

6.2. Propeller Replacement

In case of propeller damage, replace it with a new one from the spare parts kit. Carefully remove the old propeller and install the new one, ensuring it is securely fastened and oriented correctly. The rear-mounted propeller design helps protect it during minor impacts.

6.3. Battery Care

To prolong battery life, avoid fully discharging the batteries. Charge them before storage if they will not be used for an extended period. Disconnect batteries from the aircraft and charger when not in use.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|---|---|
| Aircraft does not respond to transmitter. | Not bound, low battery (aircraft or transmitter), out of range. | Re-bind aircraft and transmitter. Check and charge all batteries. Fly within recommended range. |
| Short flight time. | Battery not fully charged, old battery, aggressive flying. | Ensure battery is fully charged. Consider replacing old batteries. Fly more gently. |
| Aircraft flies erratically or is unstable. | Gyro calibration needed, strong winds, damaged control surface. | Perform gyro calibration (refer to quick start guide). Avoid flying in strong winds. Check for physical damage. |
| Propeller not spinning. | Obstruction, motor issue, battery disconnected. | Check for debris around propeller. Ensure battery is connected. Contact support if motor is faulty. |

8. SPECIFICATIONS

- **Product Dimensions:** 5.11 x 20.86 x 21.06 inches
- **Item Weight:** 1.85 pounds
- **Model Number:** EXA76102
- **Manufacturer Recommended Age:** 14 years and up
- **Batteries:** 2 Lithium Ion batteries required (included)
- **Channels:** 4CH
- **Gyro System:** 6-Axis Gyro (Xpilot Stabilizer)
- **Material:** Durable EPP Foam
- **Motor:** Upgraded 10mm motor

9. WARRANTY AND SUPPORT

VOLANTEXRC products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official VOLANTEXRC website. If you encounter any issues or require technical assistance, please contact VOLANTEXRC customer support.

For further assistance, please visit the [VOLANTEXRC Store](#).