

## VOLANTEXRC 761-16 RTF P-47 Thunderbolt

# VOLANTEXRC P-47 Thunderbolt RC Plane (Model 761-16 RTF)

Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your VOLANTEXRC P-47 Thunderbolt RC Plane (Model 761-16 RTF). This 4-channel WWII warbird model is designed for beginners and experienced pilots alike, featuring the Xpilot gyro stabilization system and one-key aerobatic functions. Please read this manual thoroughly before operating the aircraft.

## 2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- P-47 Thunderbolt RC Plane (Fully Assembled)
- 2.4Ghz Transmitter (Remote Control)
- Lithium Polymer Batteries (2 included)
- USB Charging Cable
- Spare Propellers
- Landing Gear Set
- User Manual (This document)



Image: The VOLANTEXRC P-47 Thunderbolt RC Plane shown with its remote control, two batteries, spare propellers, USB charging cable, and landing gear.

### 3. SETUP AND PRE-FLIGHT PREPARATION

#### 3.1. Battery Charging

1. Connect the provided Lithium Polymer battery to the USB charging cable.
2. Plug the USB charging cable into a suitable USB power source (e.g., computer USB port, USB wall adapter).
3. The indicator light on the USB charger will show the charging status. Refer to the charger's specific instructions for light indications (typically red for charging, green for fully charged).
4. Ensure batteries are fully charged before each flight for optimal performance and flight time.

#### 3.2. Transmitter Battery Installation

The transmitter requires 4 AA batteries (not included). Open the battery compartment on the back of the transmitter and insert the batteries, observing correct polarity.

#### 3.3. Landing Gear Installation (Optional)

The aircraft comes with a landing gear set. For ground take-offs and landings, attach the landing gear as shown in the diagram. For hand-launching, especially for beginners or in grassy areas, the landing gear can be omitted to prevent damage during rough landings.

### 3.4. Propeller Check

The plane is pre-assembled. Ensure the propeller is securely attached. The propeller features a saver mechanism, allowing it to detach upon impact to prevent damage. Reattach if it comes off.



*Image: Close-up view of the propeller and its saver mechanism, designed to protect the propeller and motor during impacts.*

## 4. OPERATING INSTRUCTIONS

### 4.1. Power On Sequence

1. Turn on the transmitter first.
2. Connect the flight battery to the aircraft. Place the aircraft on a level surface.
3. Wait for the aircraft to bind with the transmitter. A series of beeps or flashing lights will indicate successful binding.

## 4.2. Flight Control Modes (Xpilot Stabilization System)

The Xpilot gyro stabilization system offers three flight control levels:

- **Beginner Mode (Full Assist):** Provides maximum stabilization and restricted control angles, making it easier for new pilots to learn.
- **Intermediate Mode (Partial Assist):** Offers increased control angles with some stabilization, suitable for pilots gaining confidence.
- **Expert Mode (Manual Control):** Disables stabilization for full manual control, ideal for experienced pilots performing advanced maneuvers.

Switch between modes using the designated button on the transmitter. Refer to the transmitter diagram for button location.



*Image: Visual representation of the three flight modes: Full Assist (restricted angle), Soft Assist (increased angle), and No Assist (manual control).*

## 4.3. Take-Off

For beginners, hand-launching is recommended:

1. Hold the middle of the plane firmly.
2. Ensure you are in Beginner or Intermediate flight mode.
3. Advance the throttle to approximately 2/3 power.
4. Gently throw the plane forward horizontally into the wind.

For ground take-offs with landing gear, gradually increase throttle and steer using the rudder (if applicable) until the plane gains sufficient speed for lift-off.

## FOLLOW THE STEPS

- Hold the middle of the plane;
- Choose a mode based on your proficiency;
- Push the throttle to 2/3;
- Throw the plane forward horizontally.

**Suggestion for Beginner: Take off by hand throw.**



*Image: Step-by-step guide on how to hand-launch the RC plane, showing proper grip and launch direction.*

### 4.4. Basic Flight Controls

Your 4-channel transmitter controls the following:

- **Throttle:** Controls motor speed and altitude (left stick, vertical).
- **Ailerons:** Controls roll (right stick, horizontal).
- **Elevator:** Controls pitch (right stick, vertical).
- **Rudder:** Controls yaw (left stick, horizontal).

### 4.5. One-Key Aerobatics

To perform aerobatic maneuvers, press the dedicated one-key aerobatics button on the transmitter and then pull the right joystick in the desired direction (e.g., up for a loop, left/right for a roll). The Xpilot system will automatically execute the maneuver.



*Image: Illustration of the one-key aerobatics feature, showing the button on the transmitter and the resulting flight path.*

#### **4.6. Low Battery / Out of Control Alarm**

The transmitter will emit an audible alarm when the aircraft's battery is low or if the aircraft flies beyond the 656 ft (200m) control range. Upon hearing this alarm, immediately guide the aircraft back and prepare for landing.



*Image: Depiction of the low battery and out-of-range alarm, showing the plane flying at a distance and the transmitter indicating a low battery warning.*

## 5. MAINTENANCE

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### 5.1. General Care

- Keep the aircraft clean and free from dirt, dust, and moisture.
- Inspect the airframe for any damage after each flight. The durable foam construction is designed to withstand minor impacts.
- Ensure all control surfaces (ailerons, elevator, rudder) move freely and are not obstructed.

### 5.2. Propeller Maintenance

Regularly check the propeller for cracks or damage. Replace damaged propellers immediately using the provided spares. Note that the 2-blade propeller is generally more durable than the 3-blade propeller during impacts.

### 5.3. Battery Storage

Store Lithium Polymer batteries in a cool, dry place, away from direct sunlight and flammable materials. Do

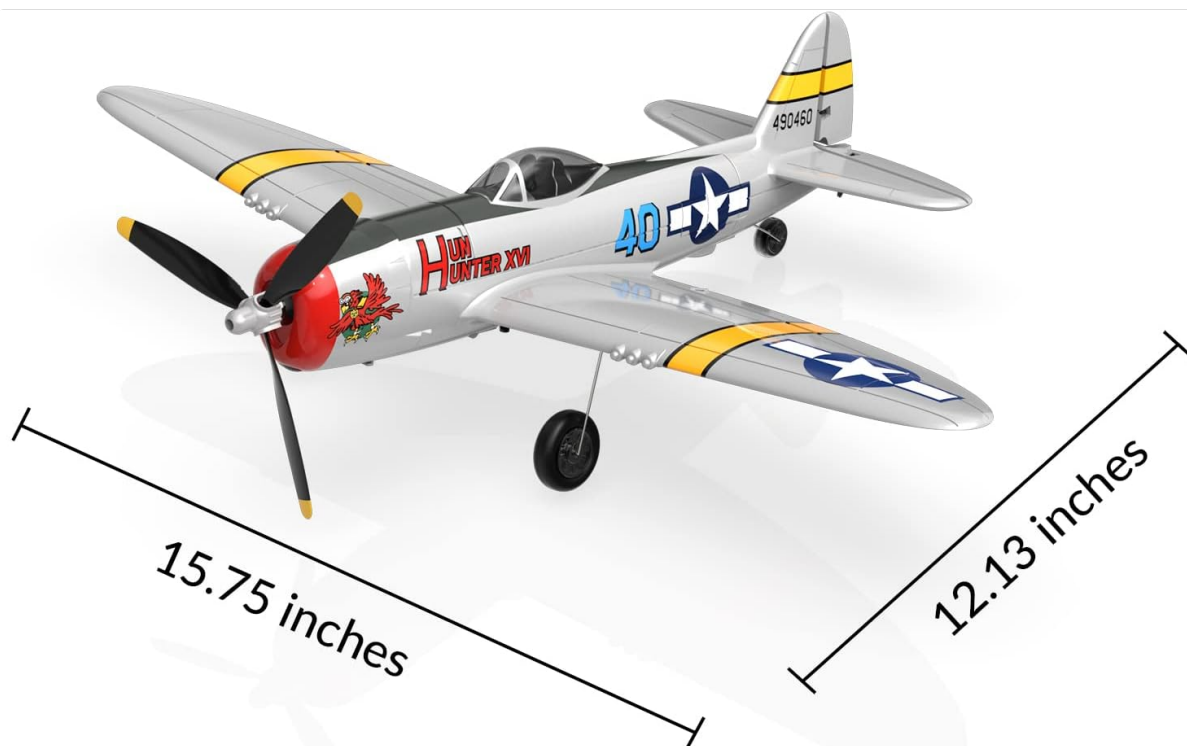
not store fully charged or fully discharged for extended periods. Refer to battery safety guidelines for proper storage voltage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Aircraft does not respond to controls.	Unbound transmitter/receiver, low transmitter battery, aircraft battery disconnected.	Ensure proper power-on sequence. Check transmitter batteries. Reconnect aircraft battery.
Aircraft flies erratically or drifts.	Incorrect flight mode, trim settings, damaged control surface.	Switch to Beginner mode. Adjust trim on transmitter. Inspect control surfaces for damage.
Propeller not spinning or grinding noise.	Propeller detached, motor obstruction, damaged motor/gearbox.	Reattach propeller. Clear any obstructions. Contact support if motor/gearbox is damaged.
Short flight time.	Battery not fully charged, old battery, aggressive flying.	Ensure battery is fully charged. Consider replacing old batteries. Fly less aggressively.
Aircraft loses signal at short range.	Interference, damaged antenna, low transmitter battery.	Fly in open areas away from interference. Check transmitter batteries.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	EXA76116RRB2 (761-16 RTF)
Product Dimensions	20 x 13.38 x 4 inches
Item Weight	1.76 ounces
Control Channels	4 Channels (Aileron, Elevator, Rudder, Throttle)
Stabilization System	Xpilot Gyro Stabilizer
Remote Control Frequency	2.4Ghz
Control Distance	Up to 656 ft (200m)
Flight Time	Up to 15 minutes (per battery)
Batteries Required	2 Lithium Polymer (included for plane), 4 AA (not included for transmitter)
Recommended Age	14 years and up
Manufacturer	EXHOBBY



NO ASSEMBLY REQUIRED

**RTF PACKAGE**



*Image: Diagram showing the length (15.75 inches) and wingspan (12.13 inches) of the P-47 Thunderbolt RC plane.*







## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact the manufacturer, EXHOBBY, directly. Refer to the product packaging or the official VOLANTEXRC website for current contact details.

Always ensure you are using genuine VOLANTEXRC parts for optimal performance and safety.

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**Related Documents - 761-16 RTF P-47 Thunderbolt**

	<p><a href="#">VolantexRC Ranger 600S Stunt RC Airplane User Manual</a></p> <p>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.</p>
	<p><a href="#">Volantex RC Legend Warbird Series User Manual</a></p> <p>Comprehensive user manual for the Volantex RC Legend Warbird Series (Model 76111), covering setup, operation, safety precautions, battery usage, transmitter functions, and maintenance for this hobby-grade RC airplane.</p>
	<p><a href="#">VolantexRC Legend Warbird Series User Manual 76105</a></p> <p>Comprehensive user manual for the VolantexRC Legend Warbird Series RC aircraft (model 76105), detailing safety, setup, operation, charging, and maintenance for optimal flight.</p>
	<p><a href="#">VolantexRC Legend Warbird Series User Manual</a></p> <p>Comprehensive user manual for the VolantexRC Legend Warbird Series remote control toy airplane, covering safety precautions, battery usage, setup, operation, and maintenance.</p>
	<p><a href="#">VolantexRC Trainstar Mini User Manual - 6-Axis Gyro Easy Flying Trainer</a></p> <p>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.</p>
	<p><a href="#">VolantexRC Legend Warbird Series 76111 User Manual - RC Airplane Guide</a></p> <p>Comprehensive user manual for the VolantexRC Legend Warbird Series RC airplane, model 76111. Includes setup, charging, safety, operation, troubleshooting, and maintenance instructions for this sophisticated hobby product.</p>