

FliteZone 120X

FliteZone RC Helicopter 120X RTF User Manual

Model: 120X

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your FliteZone RC Helicopter 120X RTF. Please read this manual thoroughly before operating the helicopter to ensure proper function and to prevent damage or injury. This product is intended for hobbyists and enthusiasts, including children and adolescents under adult supervision.

2. PRODUCT OVERVIEW AND FEATURES

The FliteZone 120X is a robust and durable Ready-To-Fly (RTF) RC helicopter designed for both beginners and those interested in 3D aerobatics. Its advanced features ensure a stable and responsive flight experience.

- **Flybarless System:** Provides enhanced agility and precise control.
- **3D Aerobatics Capability:** Ideal for entry into 3D stunt flying.
- **High Visibility:** Features a yellow tail fin for optimal position recognition during flight.
- **Powerful Brushless Direct Drive:** Ensures efficient and strong performance.
- **Integrated S-FHSS Receiver:** For reliable radio communication.
- **Advanced Flight Controller:** Supports S-Bus and DSMX receiver connections for versatility.
- **6-Axis Flight Stabilization:** Offers stable flight, switchable to 3D mode via the transmitter.
- **High-Performance Servos:** For quick and accurate control inputs.
- **Powerful FliteZone LiPo Battery:** 500 mAh capacity, lightweight and robust for extended flight times.

3. SAFETY INSTRUCTIONS

Always prioritize safety when operating your RC helicopter. Failure to follow these guidelines may result in injury or damage to property.

- **Read the Manual:** Understand all instructions before first flight.
- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying indoors unless specifically designed for it and space permits.
- **Weather Conditions:** Do not fly in strong winds, rain, or other adverse weather.

- **Battery Safety:** Use only the provided charger and battery. Do not overcharge or puncture the battery. Store in a cool, dry place.
- **Pre-Flight Check:** Always inspect the helicopter for damage, loose parts, or obstructions before each flight.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Adult Supervision:** Children and adolescents should always be supervised by an adult during operation.
- **Emergency Stop:** Know how to quickly cut power to the helicopter in an emergency.

4. PACKAGE CONTENTS

Verify that all components are present in your package:

- FliteZone 120X RC Helicopter
- Remote Control Transmitter
- FliteZone LiPo Battery (500 mAh)
- LiPo Balance Charger
- Tools (e.g., hex wrenches, screwdriver)
- Instruction Manual



The FliteZone 120X RC Helicopter, fully assembled and ready for flight.



The included remote control transmitter for operating the helicopter.



The LiPo balance charger and various

5. SETUP

5.1 Battery Charging

1. Connect the LiPo balance charger to a suitable power outlet.
2. Connect the FliteZone LiPo battery to the charger's balance port. Ensure correct polarity.
3. The charger will indicate when charging is complete (refer to charger's specific LED indicators).
4. Never leave batteries unattended during charging. Disconnect the battery once fully charged.

5.2 Transmitter Preparation

1. Install the required batteries (not included, typically AA) into the remote control transmitter.
2. Power on the transmitter. Ensure all trim levers are centered.
3. Familiarize yourself with the control sticks and switches.

5.3 Helicopter Preparation

1. Ensure the helicopter's main power switch is in the OFF position.
2. Carefully connect the fully charged LiPo battery to the helicopter's power connector. Secure the battery within the helicopter's compartment.
3. Perform a visual inspection for any loose wires, damaged blades, or obstructions.

6. OPERATING INSTRUCTIONS

6.1 Binding the Transmitter and Helicopter

Your RTF helicopter should come pre-bound. If re-binding is necessary, consult the specific instructions provided with your transmitter or visit the FliteZone support website.

6.2 Basic Controls

The remote control typically operates with the following functions:

- **Left Stick (Throttle/Rudder):** Controls altitude (up/down) and yaw (rotation left/right).
- **Right Stick (Aileron/Elevator):** Controls roll (tilt left/right) and pitch (tilt forward/backward).

6.3 Flight Modes

The FliteZone 120X features switchable flight modes:

- **6-Axis Flight Stabilization Mode:** This mode provides enhanced stability, making it easier for beginners to learn. The helicopter will self-level when control sticks are released.
- **3D Mode:** Designed for advanced pilots, this mode allows for aggressive aerobatic maneuvers and inverted flight. Stability assistance is reduced or removed. This mode is typically activated via a switch on the transmitter.

6.4 First Flight

1. Place the helicopter on a flat, level surface in an open area.
2. Turn on the transmitter first, then the helicopter.
3. Slowly increase the throttle. The main rotor blades will begin to spin.
4. Gently increase throttle until the helicopter lifts off the ground. Maintain a stable hover at eye level.

- 5. Practice small movements with the control sticks to get a feel for the helicopter's response.
- 6. When landing, slowly decrease throttle until the helicopter gently settles.

7. MAINTENANCE

Regular maintenance ensures the longevity and performance of your FliteZone 120X helicopter.

- **Cleaning:** After each flight, gently clean the helicopter with a soft, dry cloth to remove dust and debris. Avoid using water or solvents.
- **Blade Inspection:** Regularly check main and tail rotor blades for cracks, chips, or deformation. Replace damaged blades immediately.
- **Screw Tightness:** Periodically check all screws and fasteners for tightness. Do not overtighten.
- **Motor and Gear Inspection:** Ensure the motor spins freely and gears are not stripped or obstructed.
- **Battery Care:** Store LiPo batteries at a storage voltage (around 3.8V per cell) if not used for extended periods. Do not store fully charged or fully discharged.



View of the internal electronics and components of the helicopter, which should be kept clean and free of debris.



Close-up of the tail rotor assembly, highlighting the yellow fin for visibility.
Ensure blades are intact and mechanism is smooth.

8. TROUBLESHOOTING

If you encounter issues with your FliteZone 120X, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Helicopter does not respond to transmitter.	Low battery in helicopter or transmitter; not bound; power switch off.	Charge batteries; re-bind transmitter and helicopter; ensure power is on.
Helicopter flies erratically or is unstable.	Damaged blades; incorrect trim settings; strong wind; gyroscope calibration issue.	Inspect and replace blades; adjust trim; fly in calm conditions; re-calibrate gyroscope (refer to advanced settings).
Motor spins but helicopter does not lift off.	Low battery; damaged main rotor blades; motor issue.	Charge battery; replace main rotor blades; contact support if motor is faulty.
Tail rotor not working.	Damaged tail rotor blade; loose connection; tail motor issue.	Inspect and replace tail rotor blade; check connections; contact support.

9. SPECIFICATIONS

Feature	Detail
Manufacturer	Pichler
Brand	RC Toys Pleyer (Product: FliteZone)
Model Name	FliteZone 120X
Item Model Number	15889
Product Dimensions (L x W x H)	14 x 16 x 29 cm
Weight	1.32 kilograms
Color	Yellow
Material	Plastic
Power Source	LiPo Battery (500 mAh included)
Included Components	Remote Control, Helicopter, LiPo Battery, Charger, Tools
Specific Uses	RC Flight and 3D Aerobatics Practice
Recommended Uses	Hobbies, Gift
Target Audience	Child, Adolescent (with adult supervision)

10. WARRANTY AND SUPPORT

Information regarding specific warranty terms and conditions for the FliteZone RC Helicopter 120X RTF is not available in the provided product details. For warranty claims, technical support, or spare parts availability, please contact the retailer or the manufacturer, Pichler, directly. Keep your proof of purchase for any warranty-related

inquiries.

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