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› [Wooptoothy](#) /

› Wooptoothy YUXIANG F07 UH-1D RC Helicopter Instruction Manual

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Wooptoothy YUXIANG F07 UH-1D RC Helicopter Instruction Manual

Model: YUXIANG F07 UH-1D

INTRODUCTION

This manual provides detailed instructions for the safe operation, setup, and maintenance of your Wooptoothy YUXIANG F07 UH-1D RC Helicopter. This 1:34 scale model features a 6-axis gyro for stable flight, a brushless direct-drive system, and a flybarless design. Please read this manual thoroughly before operating the helicopter to ensure proper use and to prevent damage.



Image: The YUXIANG F07 UH-1D RC Helicopter, its remote control, and two included batteries. The helicopter is green with black rotor blades and a detailed fuselage.

Safety Information

WARNING: This product contains small components. Assembly and use of this product must be under the supervision of adults. Not suitable for children under 15 years of age.

- Always operate the helicopter in an open area, away from people, animals, and obstacles.
- Ensure all batteries are fully charged before flight.
- Do not operate in strong winds or adverse weather conditions.
- Keep fingers and loose clothing away from rotating blades.
- Store the helicopter and batteries in a cool, dry place.
- Refer to local regulations regarding RC aircraft operation.

PRODUCT OVERVIEW AND FEATURES

The YUXIANG F07 UH-1D RC Helicopter is designed for enthusiasts, offering a realistic scale model experience with advanced flight capabilities.

- **Realistic Design:** A 1:34 scale model based on the Bell UH-1 Huey, featuring detailed aesthetics and lighting effects.
- **Advanced Stabilization:** Equipped with a 6-axis gyro and an electronic stabilization system for precise control and enhanced flight stability, suitable for beginners.
- **Efficient Brushless Motors:** Features a 2511 1200KV brushless main motor for high efficiency and low noise, and a 1204 5500KV brushless tail motor for rapid response and stable tail locking.
- **Durable Construction:** Propellers made from nylon and carbon fiber composite for strength and impact resistance. Optimized structure reduces damage risk.
- **Precision Servos:** 4.3g metal gear servos provide high torque, fast response, and precise centering for superior flight control.
- **Intelligent Battery:** Professional 7.4V 1200mAh 25C Li-Po battery with overcharge, discharge, and low-voltage protection, offering up to 12 minutes of flight time. Charges via Type-C port.

SIX-AXIS GYROSCOPE

6-axis gyroscope self-stabilization

Stable, fast and accurate flight attitude,
especially for beginners.



AERODYNAMIC DESIGN

Paddles are designed to invoke aerodynamic principles

Powerful and self-stabilizing with high efficiency, low power consumption and long flight times.



Nylon + carbon fiber
composite material for

composite material for
paddles

High strength, good toughness,
impact resistance, no
deformation, and durable.



Image: Illustration detailing the aerodynamic design of the helicopter's paddles, highlighting their construction from nylon and carbon fiber composite for strength and efficiency.

HIGH PRECISION CNC ROTOR HEAD

High Precision CNC Rotor Head Cross Plate Optimized Structure

Adopting high-precision CNC rotor head and cross disk optimizes the structure and reduces the weight, which greatly reduces the chance of damage to the aircraft.



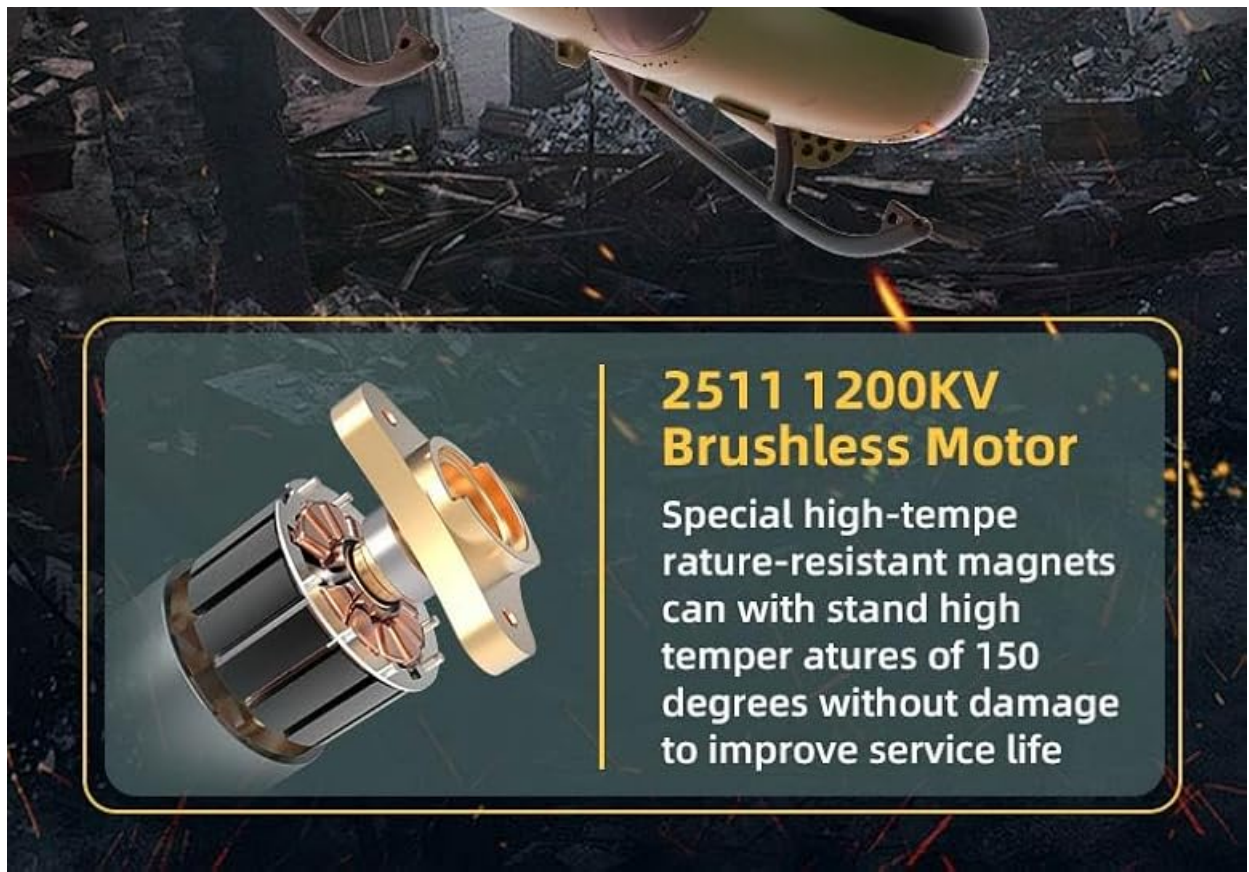


Image: A cutaway view of the helicopter's internal components, focusing on the high-precision CNC rotor head and the 2511 1200KV brushless motor, designed for durability and performance.

SETUP

1. Battery Charging

Before first use, fully charge the helicopter's Li-Po battery. Connect the provided Type-C charging cable to the battery and a suitable USB power adapter (not included). The charging indicator will show the charging status. Disconnect once fully charged.

- Charging time: Approximately 60-90 minutes.
- Do not leave batteries unattended while charging.
- Use only the provided charging cable and a compatible USB power source.

2. Remote Control Batteries

Install 4x AA batteries (not included) into the remote control. Ensure correct polarity.

3. Pairing the Helicopter and Remote Control

1. Ensure both the helicopter and remote control are powered off.
2. Place the helicopter on a flat, level surface.
3. Power on the helicopter. The indicator light will flash.
4. Power on the remote control. Move the throttle stick (left stick) to the lowest position.
5. The remote control will emit a beep, and the helicopter's indicator light will become solid, indicating successful pairing.
6. If pairing fails, repeat the steps.

OPERATING INSTRUCTIONS

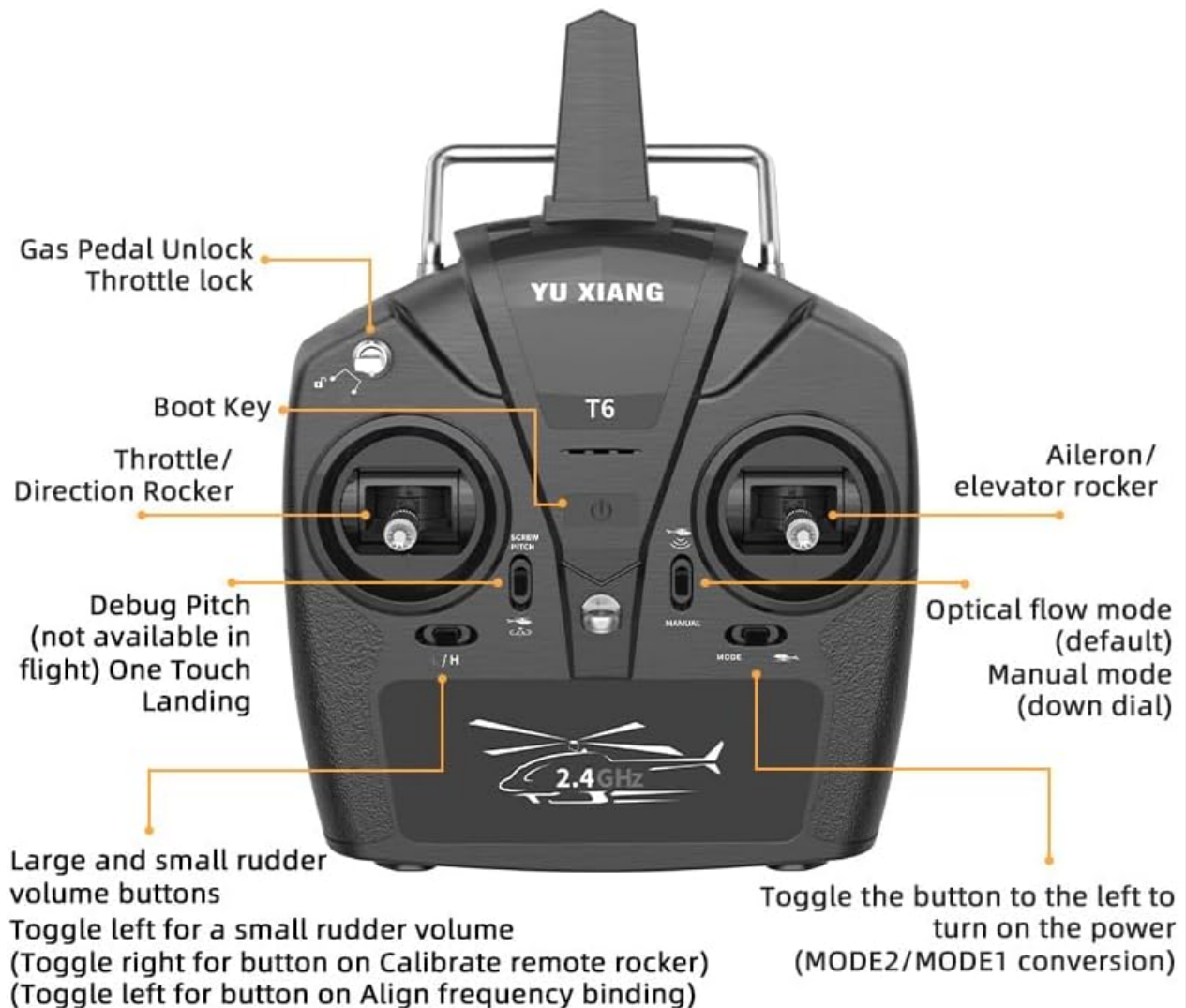
Familiarize yourself with the remote control functions before attempting flight.

Remote Control Layout

REMOTE CONTROL INSTRUCTIONS

Remote Control Description

For more information, please read the enclosed user manual.



-Supports ELRS protocol Corresponding Receiver Flight-

Image: Detailed diagram of the T6 remote control, showing the Gas Pedal Unlock, Throttle lock, Boot Key, Throttle/Direction Rocker, Debug Pitch, One Touch Landing, Aileron/Elevator Rocker, Optical Flow Mode, Manual Mode, Large and Small Rudder Volume buttons, and MODE2/MODE1 conversion switch.

- **Throttle/Direction Rocker (Left Stick):** Controls altitude (up/down) and yaw (left/right rotation).
- **Aileron/Elevator Rocker (Right Stick):** Controls forward/backward movement (pitch) and left/right sideways movement (roll).
- **Boot Key:** Power on/off the remote control.

- **Gas Pedal Unlock/Throttle Lock:** Safety features to prevent accidental rotor activation.
- **One Touch Landing:** Initiates an automatic landing sequence.
- **Optical Flow Mode / Manual Mode Switch:** Toggles between stable flight mode (optical flow) and more agile manual control.
- **Rudder Volume Buttons:** Adjusts the sensitivity of rudder control.
- **MODE2/MODE1 Conversion:** Switches between different control stick configurations.

Basic Flight Functions

FUNCTION

Flight Function

Cool RC Airplanes Fun for Childhood



Image: A visual guide to the helicopter's flight capabilities, including vertical ascent/descent, lateral movement (left/right flight), rotational turns (left/right turn), and horizontal movement (onward/backwards).

1. **Take-off:** After pairing, slowly push the throttle stick upwards to lift off.

2. **Ascend/Descend:** Push the left stick up to ascend, pull down to descend.
3. **Forward/Backward:** Push the right stick up to move forward, pull down to move backward.
4. **Left/Right Flight (Roll):** Push the right stick left to move left, push right to move right.
5. **Turn Left/Right (Yaw):** Push the left stick left to turn left, push right to turn right.
6. **One-Key Inverted Flight:** This feature allows for easy transition to inverted flight. Refer to the remote control diagram for the specific button.
7. **One-Touch Landing:** Press the designated button on the remote control to initiate an automatic landing.





Image: The helicopter descending for a one-touch landing, with an overlay indicating bi-directional feedback and a low battery alarm feature.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the helicopter after each use. Avoid water or solvents.
- **Blade Inspection:** Regularly check rotor blades for any damage (cracks, bends). Replace damaged blades immediately.
- **Battery Care:** Do not overcharge or over-discharge the Li-Po battery. Store batteries at approximately 50% charge if not used for extended periods.
- **Storage:** Store the helicopter and remote control in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Motor and Gear Inspection:** Periodically check motors and gears for debris or signs of wear.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to remote control.	Not paired; low battery in helicopter or remote.	Re-pair the helicopter and remote. Charge helicopter battery; replace remote control batteries.
Helicopter flies erratically or is unstable.	Damaged blades; gyroscope calibration needed; strong wind.	Inspect and replace damaged blades. Recalibrate gyroscope (refer to remote control instructions for debug pitch). Fly in calm conditions.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged. Consider replacing the battery if it's old.
Rotors spin but helicopter does not lift off.	Low battery; damaged rotors; motor issue.	Charge battery. Check and replace damaged rotors. Contact support if motor issue is suspected.

SPECIFICATIONS

Feature	Detail
Model Number	YUXIANG F07 UH-1D
Scale	1:34
Gyroscope	6-Axis Gyro
Motor Type	Brushless (Main: 2511 1200KV, Tail: 1204 5500KV)
Battery	7.4V 1200mAh 25C Li-Po
Flight Time	Up to 12 minutes
Charging Port	Type-C
Product Dimensions	12 x 8 x 5 inches
Item Weight	3 pounds
Recommended Age	15 years and up

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.
Manufacturer: Woottoothy

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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

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