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› [StrucToys](#) /

› StrucToys YU Xiang F07-V UH-1 Huey RC Helicopter Instruction Manual

StrucToys F07-V UH-1 Huey

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INTRODUCTION

Thank you for purchasing the StrucToys YU Xiang F07-V UH-1 Huey 1/34 Scale RC Helicopter. This manual provides essential information for the safe and effective operation, maintenance, and care of your new RC helicopter. Please read this manual thoroughly before first use and retain it for future reference. Proper understanding of these instructions will ensure a safe and enjoyable experience.

Safety Warning: This product is not a toy. It is intended for users aged 16 and above. Always operate in open, clear areas away from people, animals, and obstacles. Failure to follow safety guidelines may result in injury or damage to the product.

WHAT'S IN THE BOX

Carefully unpack all components and verify that all items listed below are present and in good condition. If any items are missing or damaged, please contact customer support.

- StrucToys YU Xiang F07-V UH-1 Huey RC Helicopter (Aircraft) x1
- Instruction Manual x1
- Special USB Charging Cable x1
- Main Rotor Blades x4
- Tail Rotor Blade x1
- Smart Battery (LI-POLY 7.4V 1200mAh 25C) x1
- 2.4G Remote Controller x1
- Hexagonal Wrench x1
- Screwdrivers x1

A FRAUDULENT DEVICE



Image: Package contents showing the helicopter, remote control, smart battery, main paddle, USB charger, tail rotor, hexagonal wrench, and screwdrivers.

SPECIFICATIONS

The following table details the technical specifications of the StrucToys YU Xiang F07-V UH-1 Huey RC Helicopter:

Feature	Specification
Model Number	F07-V (UH-1 Huey 6CH Flybarless RC Helicopter)
Material	High-strength composite engineering material
Rotor Diameter	14.64 inches (37.18 cm)
Fuselage Length	13.8 inches (35.05 cm)
Height	4.8 inches (12.19 cm)

Feature	Specification
Weight (aircraft only)	228g
Main Motor	2511 1200KV brushless motor
Tail Motor	1204 5500KV brushless motor
Servo	4.3g metal digital servo
Remote Control	2.4G remote controller (6-channel)
Control Range	Over 393 feet (120 meters)
Battery	LI-POLY smart battery 7.4V (1200mAh) 25C
Charger	USB charger (Type-C charging)
Charging Time	Approximately 60 minutes
Flight Time	10-12 minutes
Recommended Age	16+ years



Image: Helicopter dimensions, illustrating the length and height of the model.

PARTICULARS

S cross disc Optimized structure and reduced weight greatly reduces the chance of aircraft damage.

NAME	F07-V
REMOTE CONTROL MODE	2.4G remote control
REMOTE CONTROL DISTANCE (M)	Greater than 120 meters
UNIT WEIGHT (KGS)	228g
PRODUCT MATERIAL	High-strength composite materials
AGE APPROPRIATE	14+
BODY BATTERY	LI-POLY Smart Battery7.4V(1200mAh)25C
CHARGING TIME	About 70 minutes.
USAGE TIME	11-13分
COLOR	Army green
ACCESSORY	Flyer *1, manual *1, special USB charger *1 main blade *4 tail blade *1, smart battery *1

Image: Detailed particulars table for the F07-V helicopter, confirming specifications.

SETUP

Follow these steps for initial setup before your first flight:

- Charge the Battery:** Connect the provided LI-POLY smart battery to the special USB charging cable. Plug the USB cable into a compatible USB power source (e.g., computer, USB wall adapter). The charging time is approximately 60 minutes. The intelligent module battery includes overcharge/overdischarge protection.
- Install Helicopter Battery:** Once fully charged, carefully insert the smart battery into the helicopter's battery compartment, ensuring a secure connection.
- Prepare Remote Controller:** Install the necessary batteries (not included) into the 2.4G remote controller. Familiarize yourself with the controls as described in the remote control diagram below.
- Binding (Pairing) Process:** Turn on the remote controller first, then power on the helicopter. The helicopter and remote should automatically bind. If not, refer to the detailed binding instructions in the full printed manual.

5. **Pre-Flight Check:** Ensure all rotor blades are securely attached and free from damage. Verify that all controls on the remote respond correctly to inputs before attempting flight.

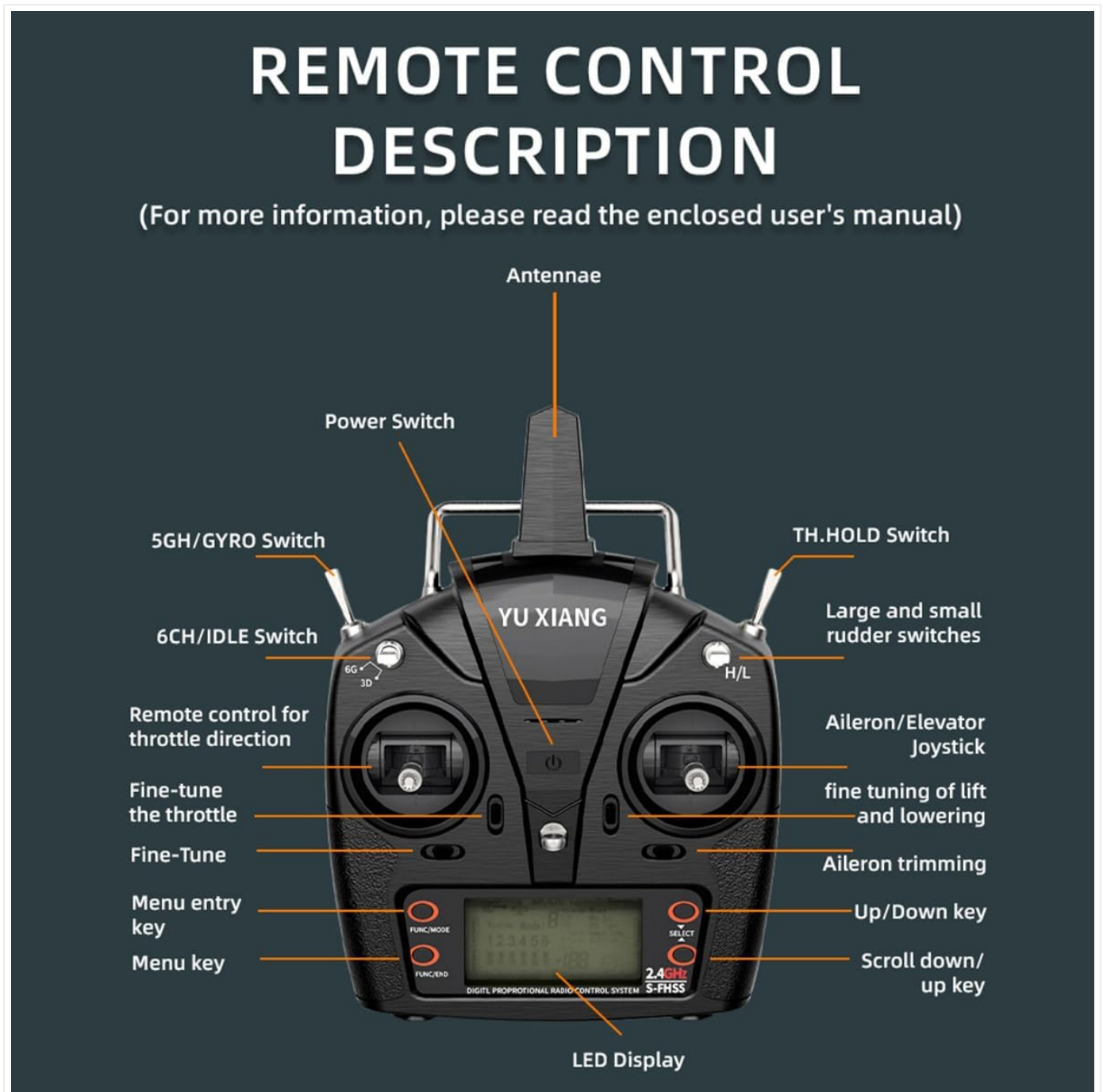


Image: Remote control description, highlighting various buttons and switches for operation.

OPERATING INSTRUCTIONS

The YU Xiang F07-V UH-1 Huey helicopter features a 6-channel remote control with electronic stability enhancement, suitable for beginners, and supports both 3-axis and 6-axis flight modes.

- **Flight Modes:** The helicopter combines 3-axis and 6-axis modes. The 6-axis gyroscope provides stable, fast, and accurate flight attitude, especially beneficial for beginners. The 3-axis mode allows for more advanced acrobatic maneuvers. Switch between modes using the designated button on the remote control.
- **Take-off and Landing:** Use the throttle stick for vertical ascent and descent. Practice gentle, controlled movements.
- **Directional Control:** The aileron/elevator joystick controls forward, backward, left, and right movements. The rudder controls yaw (rotation around the vertical axis).

- **Fine-tuning:** Use the fine-tune buttons on the remote to adjust for any drift and ensure stable hovering.

Video: Demonstration of the 1/34 Scale UH-1 Huey F07-V RC Helicopter in flight, showcasing its stability and maneuverability over various terrains.

Video: Flight demonstration highlighting the helicopter's ease of control, making it suitable for beginners.



Image: Helicopter performing a 3D flight maneuver, demonstrating its agility.

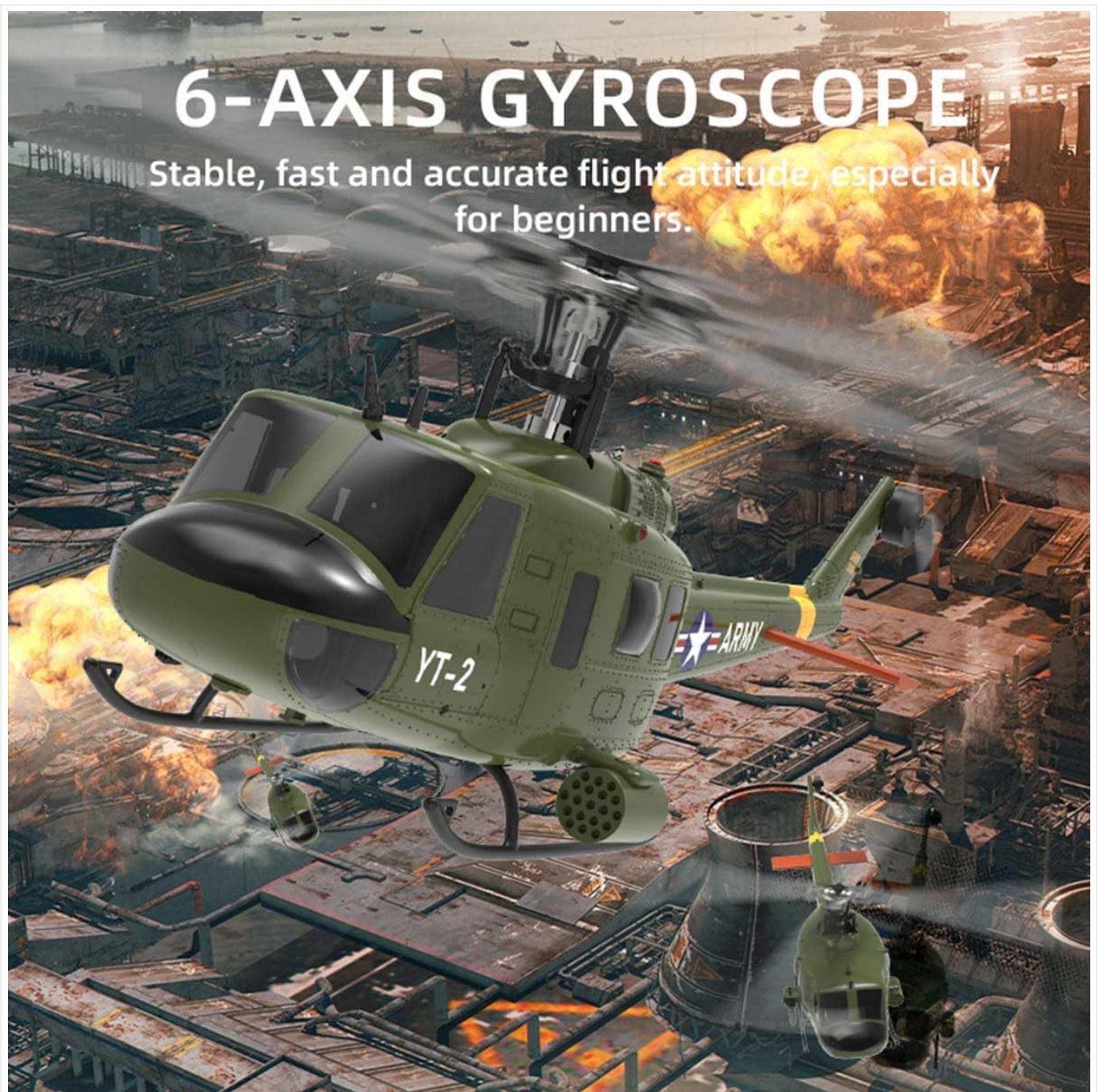


Image: Helicopter in stable flight, illustrating the benefits of the 6-axis gyroscope for beginners.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RC helicopter:

- **Cleaning:** After each flight, gently clean the helicopter with a soft, dry cloth to remove dust, dirt, or debris. Avoid using water or chemical cleaners.
- **Rotor Blade Inspection:** Regularly check the main and tail rotor blades for any signs of damage, cracks, or deformation. Replace damaged blades immediately using the provided spare parts or genuine replacements. The nylon+carbon fiber propeller is designed for resistance to deformation and impact.
- **Battery Care:** Store the smart battery in a cool, dry place when not in use. Do not overcharge or over-discharge the battery. Disconnect the battery from the helicopter when storing.
- **Motor Inspection:** Periodically check the brushless main and tail motors for any obstructions or unusual wear. The high temperature resistant motor magnetic steel (150 °C) contributes to extended service life.
- **Structural Integrity:** The hot runner injection molded casing provides high elasticity and impact resistance. The

CNC lightweight rotor head/cross disc reduces the risk of damage. Inspect the fuselage and landing gear for any damage after hard landings.



Image: Close-up of the helicopter body, highlighting its durable, shatterproof construction.

TROUBLESHOOTING

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

- **Helicopter does not power on:**

- Ensure the battery is fully charged.
- Check that the battery is correctly installed and securely connected to the helicopter.
- Verify the helicopter's power switch is in the 'ON' position.

- **Remote controller does not respond:**

- Check the batteries in the remote controller and replace if necessary.

- Ensure the remote controller is powered on.
- Re-perform the binding process between the remote and the helicopter.

- **Unstable flight or drifting:**

- Use the fine-tuning controls on the remote to adjust for drift.
- Ensure the helicopter is in 6-axis mode for enhanced stability, especially for beginners.
- Inspect rotor blades for damage or imbalance. Replace if necessary.
- Calibrate the gyroscope if the issue persists (refer to the full manual for calibration steps).

- **Short flight time:**

- Ensure the battery is fully charged before each flight.
- Battery performance may degrade over time; consider replacing the battery if it's old or frequently used.
- Avoid continuous high-power maneuvers, which consume battery faster.

WARRANTY INFORMATION

StrucToys products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty covering defects in materials and workmanship under normal use. The warranty period and terms may vary by region. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, improper operation, or normal wear and tear. For specific warranty details, please refer to the warranty card included with your product or contact StrucToys customer support.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your StrucToys YU Xiang F07-V UH-1 Huey RC Helicopter, please contact StrucToys customer service. You can typically find contact information on the product packaging, the official StrucToys website, or through your retailer.

When contacting support, please have your product model number (F07-V) and a detailed description of your issue ready to ensure efficient service.

