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YU Xiang F07 1/34 Scale UH-1 Huey RC Helicopter User Manual

Model: F07 UH-1 Huey

1. PRODUCT OVERVIEW

The YU Xiang F07 UH-1 Huey RC Helicopter is a highly detailed 1:34 scale model designed for enthusiasts. It features advanced flight stability with a flybarless system, dual-axis brushless motors, and 6-axis electronic stabilization. This Ready-To-Fly (RTF) version includes all necessary components for immediate operation.



Image: The YU Xiang F07 UH-1 Huey RC Helicopter, showcasing its detailed design, alongside its remote control and battery. The packaging is also visible, indicating it's a RTF (Ready-To-Fly) kit.

Key Features:

- **Authentic Scale Design:** 1:34 scale UH-1 Huey model with lighting effects.
- **Advanced Flight Stability:** Flybarless system, dual-axis brushless motor, and 6-axis electronic stabilization.
- **Powerful Brushless Motors:** 1200KV main motor and 5500KV tail motor for responsive flight.
- **Precision Control:** High-torque 4.3g metal gear servos and wind-resistant stabilization.
- **Beginner-Friendly Modes:** 6G mode, altitude hold, optical flow sensors for stable hovering, and one-key inverted flight.
- **Smart Safety Features:** Overcharge/discharge protection for the battery.

2. PACKAGE CONTENTS

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

- Aircraft (YU Xiang F07 UH-1 Huey RC Helicopter) x 1
- User Manual x 1
- Specialized USB charging cable x 1
- Main propeller blades x 4
- Tail propeller blades x 1
- Smart battery (7.4V 1200MAH) x 1
- Remote Control (2.4G) x 1



Image: The YU Xiang F07 UH-1 Huey RC Helicopter shown with its remote control, highlighting the main components included in the package.

3. SETUP AND PREPARATION

3.1 Charging the Battery

Before first use, fully charge the smart battery. Use only the specialized USB charging cable provided.

1. Connect the 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 charging indicator light will show the charging status. Refer to the charger's specific instructions for light

indications.

4. Charging time is approximately 60 minutes for a full charge.

Caution: Do not overcharge the battery. Disconnect once fully charged. Always supervise charging.

3.2 Installing the Battery

Insert the charged smart battery into the helicopter's battery compartment. Ensure it is securely seated to prevent disconnection during flight.

3.3 Remote Control Preparation

The remote control operates on a 2.4G frequency. Ensure it has sufficient power (batteries not specified in product description, assume user provides standard AA/AAA or it's rechargeable).



6-Axis Gyroscope



Brushless Motor



Bi-Directional Feedback



4.3G Digital Servo



Easy Maintenance



One-touch Operation



Simulation Modeling



Modular Cell



2.4GHZ



Optical Flow Localization



Aileronless Design



Atmospheric Pressure Set High

SIX-AXIS GYROSCOPE

6-axis gyroscope
self-stabilization

Image: Detailed diagram of the remote control, labeling its various buttons and joysticks, including Gas Pedal Unlock, Throttle lock, Boot

Key, Throttle/Direction Rocker, Aileron/elevator rocker, Debug Pitch, One Touch Landing, Optical flow mode, Manual mode, and rudder volume buttons.

Familiarize yourself with the remote control layout:

- **Gas Pedal Unlock / Throttle Lock:** Controls motor arming and disarming.
- **Throttle/Direction Rocker:** Controls altitude and yaw.
- **Aileron/Elevator Rocker:** Controls forward/backward and left/right movement.
- **Optical Flow Mode / Manual Mode Dial:** Switches between flight modes.
- **Large and Small Rudder Volume Buttons:** Adjusts rudder sensitivity.
- **Boot Key:** Power on/off.
- **Debug Pitch / One Touch Landing:** Advanced settings and automated landing.

The remote control supports ELRS protocol for corresponding receiver flight.

4. OPERATING INSTRUCTIONS

4.1 Power On and Pairing

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch.
3. Turn on the remote control's power switch (Boot Key).
4. The helicopter and remote control will automatically pair. Wait for the indicator lights to confirm successful pairing (refer to specific light patterns in the included manual).

4.2 Flight Modes

The F07 UH-1 Huey offers multiple flight modes for different skill levels:

- **6G Mode (Beginner-Friendly):** Utilizes 6-axis gyro stabilization, altitude hold, and optical flow sensors for stable flight and pinpoint hovering. Ideal for new pilots.
- **Manual Mode:** Provides more direct control for experienced pilots.

Switch between modes using the Optical Flow Mode / Manual Mode dial on the remote control.

4.3 Basic Flight Controls



UH1D-HUEY

Designed and built by Bell Helicopter, the UH-1 helicopter is officially named “Iroquois” in accordance with U.S. military nomenclature, and is better known by the Bell nickname Huey, which is more commonly known as “Huey. The UH-1 helicopter was designed to be versatile, ranging from supply to attack missions.



Image: A visual representation of the helicopter's basic flight functions, including vertical movements (upwards, downwards) and horizontal movements (left flight, right flight, turn left, turn right, onward, backwards).

- **Take-off:** Slowly push the Throttle/Direction Rocker upwards.
- **Landing:** Slowly pull the Throttle/Direction Rocker downwards, or use the One Touch Landing function.
- **Forward/Backward:** Push the Aileron/Elevator Rocker forward or backward.
- **Left/Right Flight (Strafe):** Push the Aileron/Elevator Rocker left or right.
- **Turn Left/Right (Yaw):** Push the Throttle/Direction Rocker left or right.
- **One-Key Inverted Flight:** For advanced aerobatics, refer to the detailed manual for specific instructions on activating this feature.

The helicopter is designed for outdoor conditions, capable of handling up to Level 4-5 winds due to its wind-resistant stabilization and tail lock motor.

5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your helicopter.

- **Cleaning:** Wipe the helicopter with a soft, dry cloth after each use. Avoid using water or chemical cleaners.
- **Propeller Inspection:** Regularly check main and tail propeller blades for any damage (cracks, bends). Replace damaged blades immediately using the provided spares.
- **Motor Care:** Ensure motors are free from dust and debris. Avoid prolonged operation in dusty environments.
- **Battery Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50% capacity.
- **Servo Check:** Periodically check the movement of the 4.3g metal digital servos for smooth operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to remote control.	Not paired; low battery in helicopter or remote; power switch off.	Ensure both are powered on. Re-pair the helicopter and remote. Charge helicopter battery. Replace remote control batteries.
Helicopter drifts or is unstable during flight.	Uncalibrated gyroscope; damaged propeller blades; strong wind.	Perform gyroscope calibration (refer to manual). Inspect and replace damaged blades. Fly in calmer conditions or use 6G mode.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged before each flight. Consider replacing the battery if it's old and capacity has degraded.
Motors not spinning.	Throttle not unlocked; motor damage.	Ensure throttle is unlocked using the Gas Pedal Unlock feature. If still no response, contact support.

7. PRODUCT SPECIFICATIONS

Feature	Detail
Model	F07 UH-1 Huey 6CH 6G Flybarless RC Helicopter Model
Rotor Diameter	372mm
Fuselage Length	350mm
Height	122mm
Weight (Single Aircraft)	228g
Drive Motor	2511 1200KV brushless motor
Tail Lock Motor	1204 5500KV brushless motor

Feature	Detail
Servo	4.3g metal digital servo
Remote Control	2.4G remote control
Remote Control Distance	Over 120 meters
Body Battery	LI-POLY smart battery 7.4V (1200MAH) 25C
Charger	USB charger
Charging Time	About 60 minutes
Flight Time	10-12 minutes
Recommended Age	16+ years
Product Dimensions	38.5 x 37.5 x 12cm (Helicopter)
Country of Origin	China

YUXIANG

UH1D 'Huey' non-flanking armed helicopter

UH-1 HUEY HELICOPTER 34:1 SCALE DOWN



34:1 FLAPLESS ARMED HELICOPTERS

Image: Diagram illustrating the dimensions of the YU Xiang F07 UH-1 Huey RC Helicopter, showing its length (375mm/14.76inch) and

height (122mm/4.72inch).

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the contact details provided with your purchase documentation or visit the manufacturer's official website. Keep your proof of purchase for warranty claims. This product is intended for users aged 16 and above.

