FLYCOLOR C138

FLYCOLOR C138 RC Helicopter User Manual

Model: C138

Introduction

This manual provides comprehensive instructions for the safe operation, setup, and maintenance of your FLYCOLOR C138 RC Helicopter. Please read this manual thoroughly before operating the helicopter to ensure proper function and to maximize your flying experience.

Safety Information

Operating remote-controlled aircraft requires attention to safety. Please observe the following guidelines:

- Always operate the helicopter in open areas, away from people, animals, and obstacles.
- Do not fly near power lines, roads, or bodies of water.
- Ensure the battery is fully charged before each flight.
- Never attempt to modify the helicopter or its components.
- Keep small parts and batteries out of reach of children.
- Recommended age for operation is 14 years and up.
- In case of a crash, immediately cut power to the helicopter.

Package Contents

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

- 1 x C138 RC Helicopter
- 1 x Lithium Battery (7.4V 350mAh)
- 1 x Remote Control
- 1 x USB Charger
- 4 x Main Propellers (spare)
- 1 x Tail Propeller (spare)
- 1 x Screwdriver
- 1 x Hex Wrench
- 1 x Instruction Manual (this document)



Image: The C138 RC Helicopter and its included accessories: remote control, lithium battery, main propellers, hex wrench, screwdriver, USB charger, and tail propeller.

Setup

1. Charging the Helicopter Battery

1. Connect the lithium battery to the provided USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light on the USB charger will show the charging status. Refer to the charger's specific instructions for light indications (e.g., red for charging, green for fully charged).
4. A full charge takes approximately 50 minutes. Do not overcharge the battery.

2. Installing Remote Control Batteries

1. Open the battery compartment on the back of the remote control.
2. Insert 4 x 1.5V AA batteries, ensuring correct polarity (+/-). (Batteries not included).
3. Close the battery compartment securely.

3. Pre-Flight Check

- Ensure all propellers are securely attached and free from damage.
- Verify the helicopter battery is fully charged and correctly installed.
- Confirm the remote control batteries are installed and have sufficient power.
- Choose a suitable, open flying area.

Operating Instructions

1. Power On and Pairing

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch. The indicator light will flash.
3. Turn on the remote control's power switch.
4. Push the left joystick (throttle) all the way up, then all the way down. The remote control will beep, and the helicopter's indicator light will become solid, indicating successful pairing.

2. Basic Flight Controls

The C138 RC Helicopter features a 6-axis gyroscope for stable flight and a barometer for altitude hold, making it suitable for beginners.

- **Throttle (Left Joystick Up/Down):** Controls ascent and descent.
- **Yaw (Left Joystick Left/Right):** Controls left and right rotation of the helicopter.
- **Forward/Backward (Right Joystick Up/Down):** Controls forward and backward movement.
- **Left/Right Flight (Right Joystick Left/Right):** Controls sideways movement (strafe).



Image: The C138 RC Helicopter in red and white, alongside its remote control, highlighting its readiness for flight.

3. One-Key Takeoff and Landing

- **One-Key Takeoff:** After pairing, press the one-key takeoff button (refer to remote control diagram for location). The helicopter will automatically ascend to a stable altitude.
- **One-Key Landing:** During flight, press the one-key landing button. The helicopter will slowly descend and land automatically.

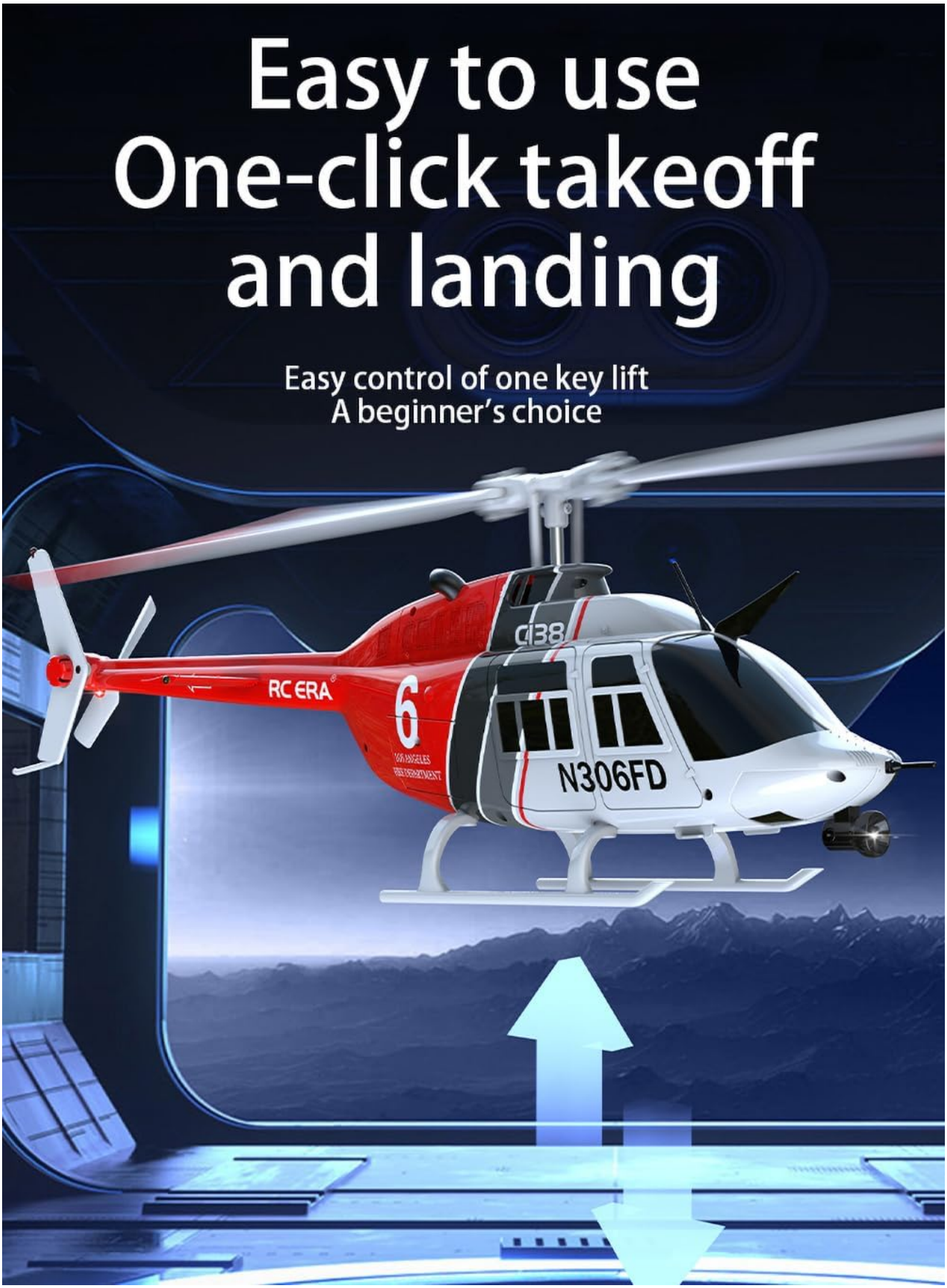


Image: The C138 RC Helicopter hovering above a mountain landscape, with an upward arrow indicating the easy one-click takeoff function.

4. Advanced Functions

- **6G Mode:** Utilizes the 6-axis gyroscope for enhanced stability, ideal for beginners.
- **3D Rolling:** The 6-channel design allows for 3D rolling maneuvers. Consult the remote control diagram and

practice in a safe, open environment.

- **Altitude Hold:** The built-in barometer maintains a stable altitude, allowing for easier control.
- **Low Voltage Alarm:** The helicopter will indicate low battery power, signaling it's time to land.
- **Stall Protection:** Automatically prevents motor stall under certain conditions.
- **Loss of Control Protection:** Designed to minimize damage if signal is lost.
- **Rudder Conversion:** Allows switching between large and small rudder settings for different control sensitivities.



Image: The C138 RC Helicopter flying over a city skyline, illustrating its automatic stabilization system for a realistic remote-controlled experience.

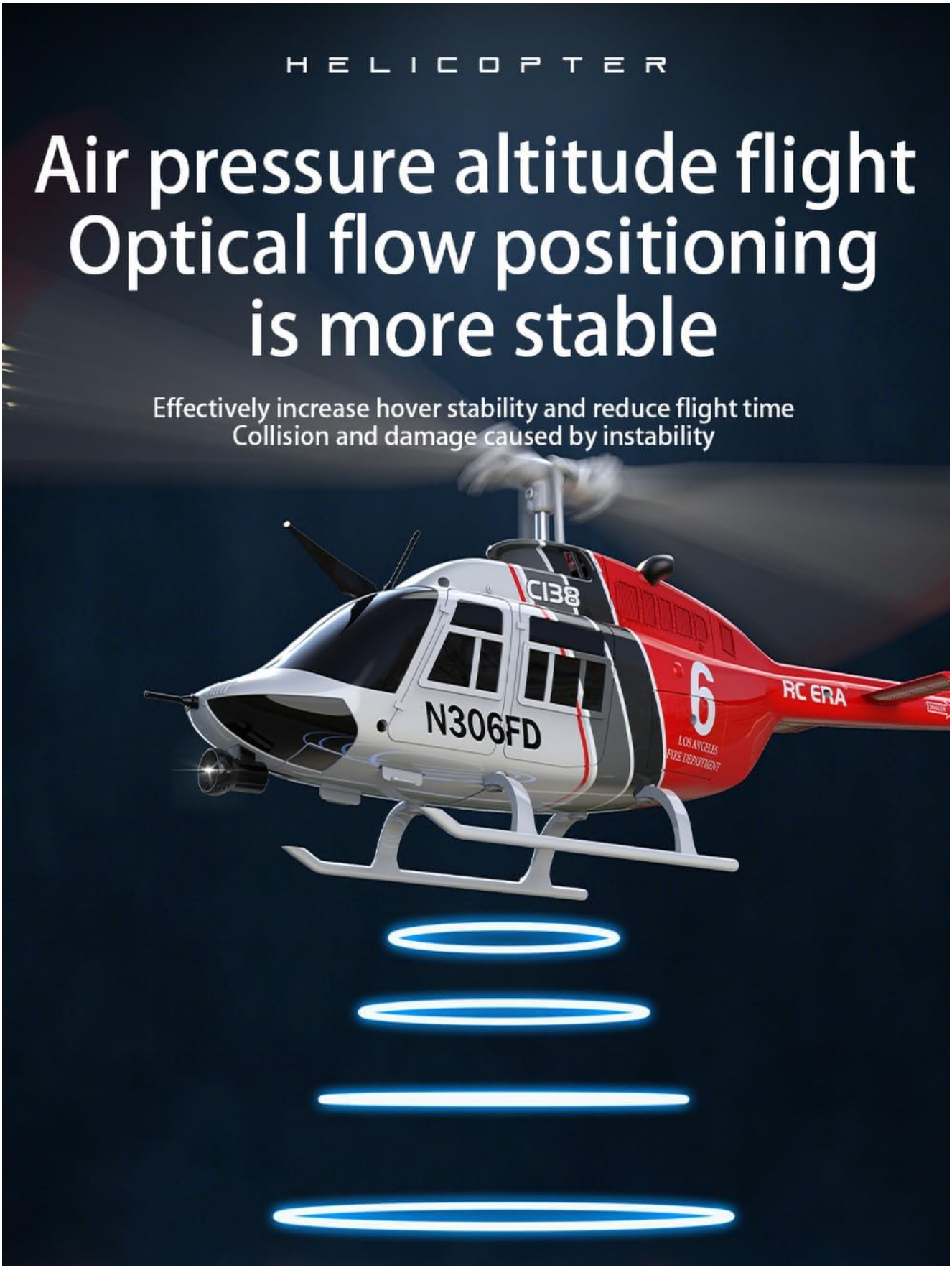


Image: The C138 RC Helicopter hovering, with glowing blue rings beneath it, representing its air pressure altitude flight and optical flow positioning for increased hover stability.

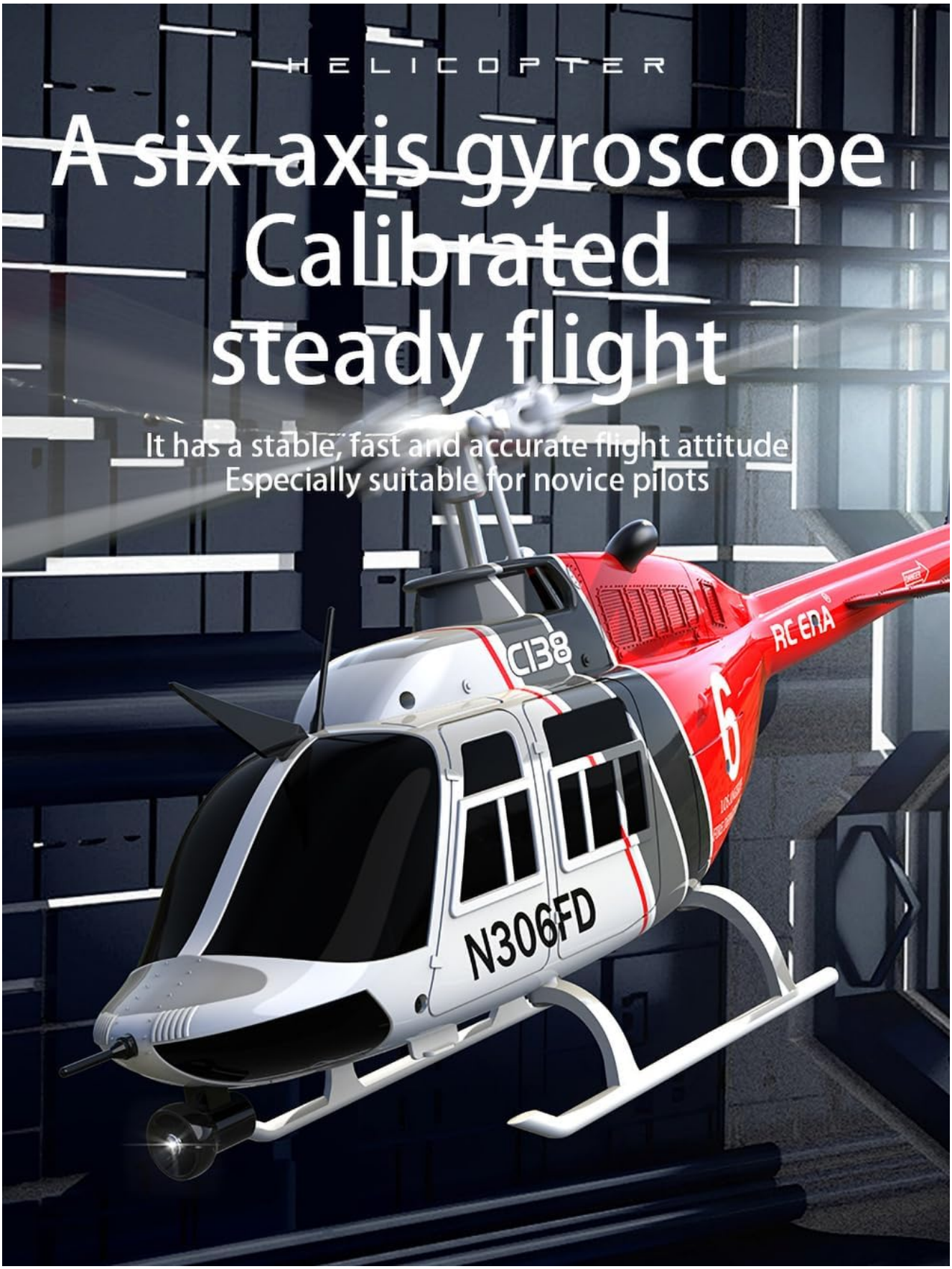


Image: A close-up of the C138 RC Helicopter, emphasizing its 6-axis gyroscope for stable, fast, and accurate flight, suitable for novice pilots.

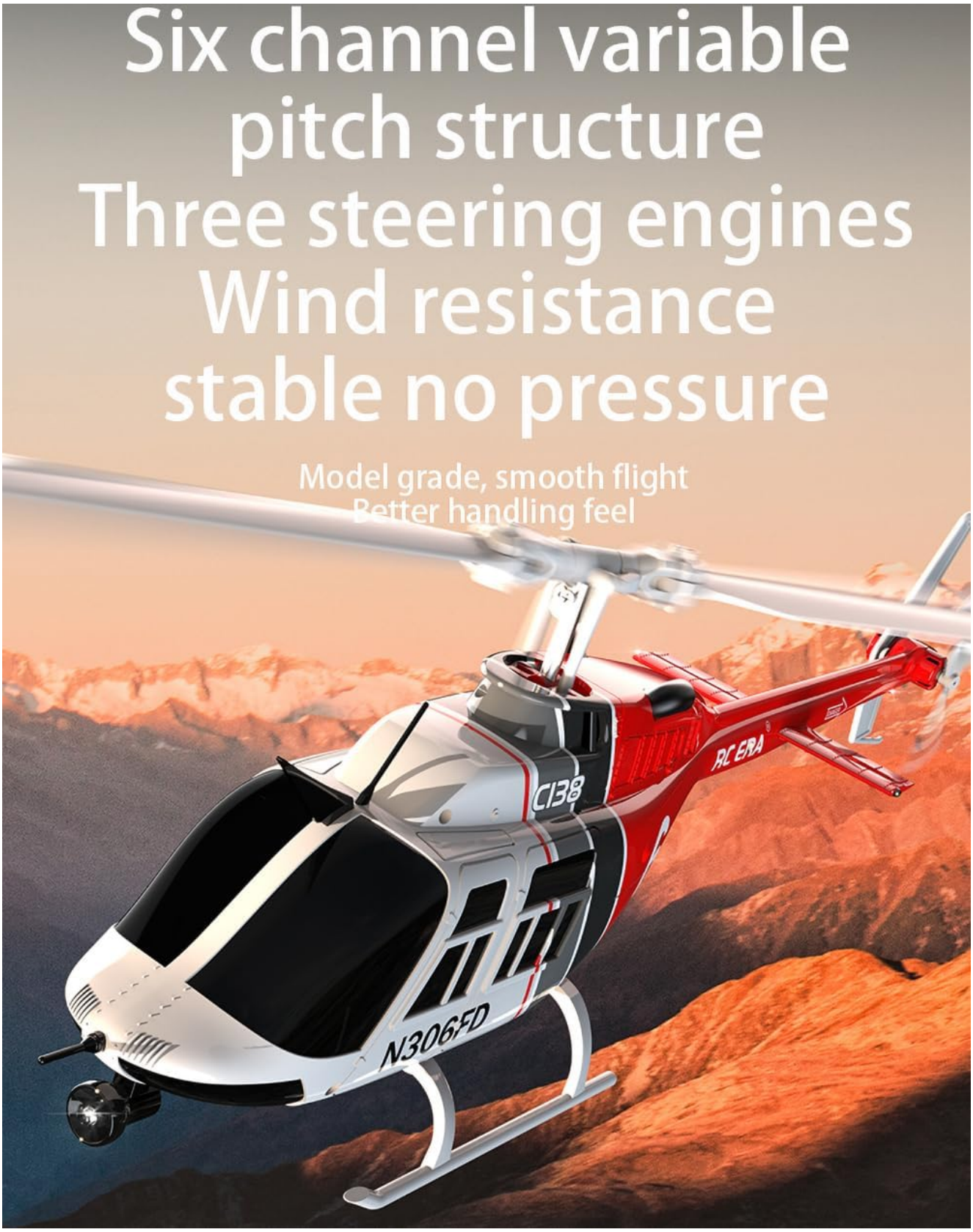


Image: The C138 RC Helicopter flying against a mountainous backdrop, highlighting its six-channel variable pitch structure and three steering engines for stable flight and wind resistance.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the helicopter after each flight. Avoid water or solvents.
- **Propeller Inspection:** Regularly check main and tail propellers for cracks or damage. Replace damaged propellers immediately using the provided spares and tools.
- **Battery Care:** Store batteries in a cool, dry place. Do not leave batteries fully charged or fully discharged for

extended periods. Disconnect the battery from the helicopter when not in use.

- **Storage:** When not in use, store the helicopter and remote control in a safe place, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Helicopter does not respond to remote control.	Not paired; low remote control battery; helicopter battery low.	Re-pair the helicopter and remote. Replace remote control batteries. Charge helicopter battery.
Helicopter cannot take off or flies unstably.	Damaged propellers; incorrect propeller installation; low helicopter battery.	Check and replace damaged propellers. Ensure propellers are installed correctly. Charge helicopter battery.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged. Consider replacing the battery if it's old.
Helicopter drifts during hover.	Not calibrated on a flat surface; minor trim adjustment needed.	Ensure helicopter is placed on a flat surface during power-on/pairing. Use trim buttons on the remote to correct drift.

Specifications

Feature	Detail
Model	C138
Material	PA/PC
Maximum Flight Time	Approximately 12 minutes (per battery)
Charging Time	Approximately 50 minutes (per battery)
Remote Control Range	80-100 meters
Helicopter Rotation Diameter	306 mm
Helicopter Fuselage Length	312 mm
Helicopter Height	101 mm
Flight Weight	105g
Helicopter Battery	7.4V 350mAh Lithium Battery
Remote Control Battery	4 x 1.5V AA Batteries (not included)
Recommended Age	14 years and up

Warranty and Support

For warranty information and technical support, please refer to the contact details provided by your retailer or visit

the official FLYCOLOR website. Keep your purchase receipt as proof of purchase.

For additional assistance, you may contact the manufacturer directly via their official channels.

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.

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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.

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