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> JCZK 300C PRO RC Helicopter User Manual

## ConsoleXpress O983840UR48ZS15D3O2BW

# JCZK 300C PRO RC Helicopter User Manual

Model: JCZK 300C PRO | Brand: ConsoleXpress

## 1. INTRODUCTION

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This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your JCZK 300C PRO RC Helicopter. Please read this manual thoroughly before operating the helicopter to ensure proper function and to prevent damage or injury.



Figure 1.1: The JCZK 300C PRO RC Helicopter, showcasing its detailed design and robust build.

### Key Features:

- **Highly Realistic Design:** Features true-to-life proportions with a detailed cockpit, opening doors, and scaled instrument panels, crafted from durable alloy materials with anodized and sandblasted finishes.
- **Intelligent Flight Control:** Equipped with an H1 Smart Flight Controller, offering auto-hover, GPS positioning, and one-touch return-to-home functions.
- **Enhanced Aerodynamics & Stability:** Triple rotor head with DFC flybarless design for improved handling and structural stability.
- **Powerful Motor & Components:** JCZK-470L professional brushless motor, 60A V4 Platinum ESC, and a 4000mAh

4S 30C battery for approximately 10 minutes of flight time.

- **Premium Quality Build & Accessories:** Spring-damped landing gear, full-metal high-pressure servos, LED navigation light system, AT9S PRO 12-channel remote control, and 80W IMAX B6AC smart charger.



# JCZK-300C-PRO

# SMART HELICOPTER

Brand new upgrade, long voyage, information return version

THE REAL CONTEST IN THE FIELD OF AERIAL PHOTOGRAPHY  
GIVE YOU A DIFFERENT FLIGHT EXPERIENCE.



Self-stabilization  
mode



Hover



Return home  
with one key



Figure 1.2: Overview of key smart features including self-stabilization, hover, and return-to-home.

## 2. SAFETY PRECAUTIONS

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Always prioritize safety when operating the RC helicopter. Failure to follow these guidelines may result in injury, property damage, or voiding of the warranty.

- Operate in open areas away from people, animals, buildings, and power lines.
- Do not fly in strong winds or adverse weather conditions.
- Ensure the battery is fully charged and securely installed before each flight.
- Keep hands and face clear of rotating blades.
- Always turn on the remote controller before the helicopter and turn off the helicopter before the remote controller.
- Supervise children operating the helicopter. Recommended age is 12 years and up.
- Do not attempt to modify or disassemble the helicopter's components.

## 3. SETUP AND ASSEMBLY

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### 3.1 Unboxing and Inspection

Carefully remove all components from the packaging. Inspect for any signs of damage during transit. The package should include:

- Aircraft \*1
- Manual \*1
- Remote controller \*1 (RadioLink AT9S PRO)
- B6 charger \*1 (IMAX B6AC smart charger)
- Battery \*1 (YPG 40000mAh 4S battery)

### 3.2 Battery Charging

Use the provided IMAX B6AC smart charger to charge the YPG 40000mAh 4S battery. Connect the battery to the charger according to the charger's instructions. Ensure proper polarity. A full charge typically takes several hours. Do not leave charging batteries unattended.



Standard configuration: 1 **ACE 4000mAh 30c 4S-14.8V** large capacity lithium battery with a single charge endurance of about 12 minutes



**\*The battery usage time is measured under ideal flight conditions or may vary due to different environments and flight modes.**

Figure 3.1: The 4000mAh 4S LiPo battery, providing approximately 10 minutes of flight time.

### 3.3 Remote Controller Setup

The RadioLink AT9S PRO 12-channel remote controller comes pre-bound to the helicopter. Ensure the remote controller batteries are installed and charged. Familiarize yourself with the controls and switches as detailed in the remote

controller's separate manual (if provided).

# Three flight modes

It is simple and easy to use, and it can be easily realized without long simulation practice. From novices to the advancement of great gods, novices and veterans can play.



## Self-stabilization mode

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The fuselage will automatically restore balance, but it will not hover at a fixed point. Manual adjustment is required to control the flight attitude. It is fast, sensitive, and more exciting. The maximum inclination angle is limited, and it cannot fly backwards.

## Fixed-point mode

...

Intelligent flight control + GPS automatically maintains a fixed-point hover, no need to manually correct the flight attitude, super stable, no drift. (Suitable for beginners to fly, no technical threshold, easy to use, not easy to blow up)

## Automatic return mode

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After the helicopter rises to a certain height, it will automatically return to the take-off place. During the return descent, the left and right directions in front of the helicopter can be controlled to prevent falling due to encountering other objects.

Figure 3.2: The AT9S PRO 12-channel remote control with LCD display, used for controlling the helicopter.

## 4. OPERATING INSTRUCTIONS

### 4.1 Pre-Flight Checklist

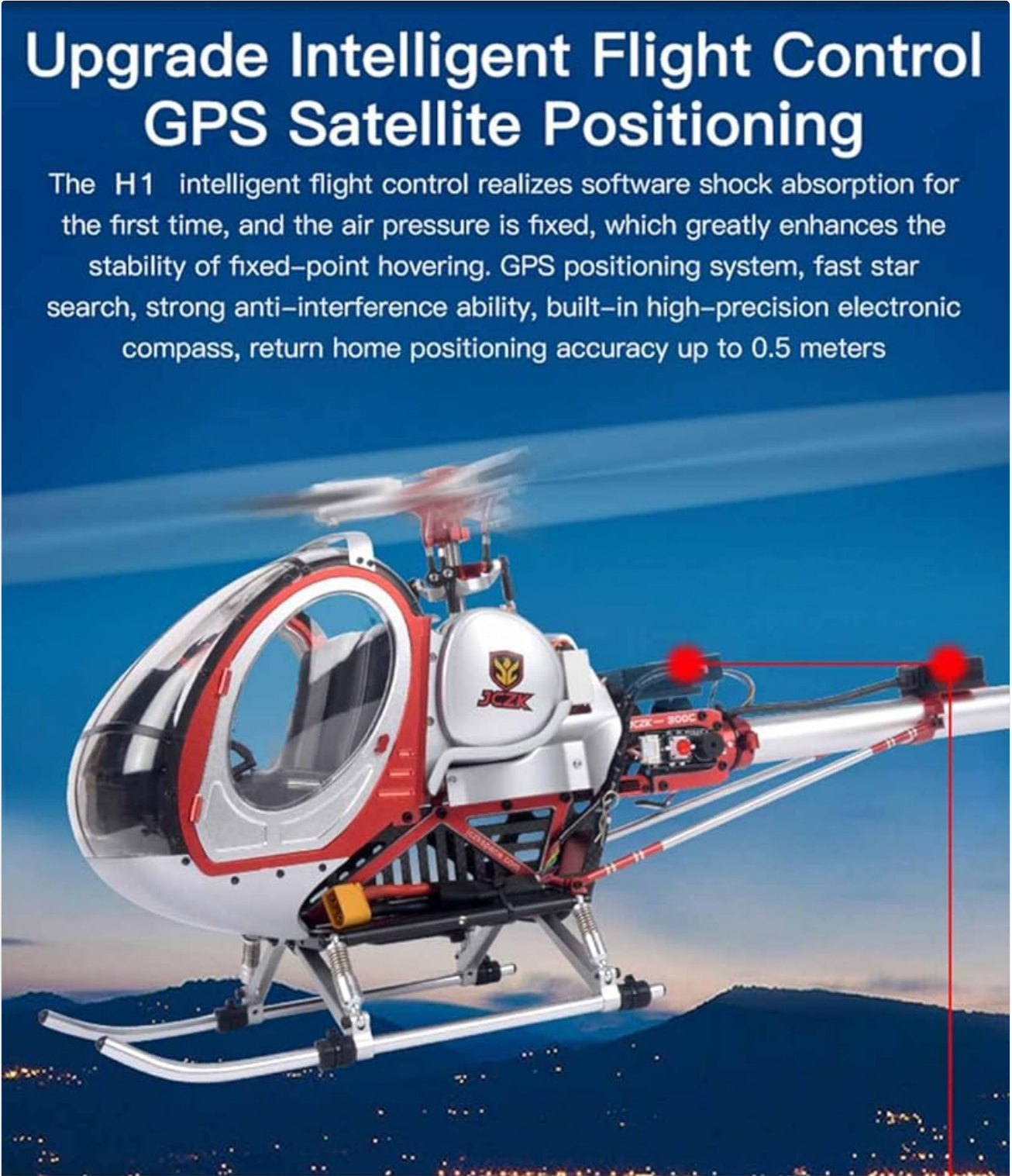
1. Ensure the helicopter battery is fully charged and securely connected.
2. Verify the remote controller batteries are charged.
3. Check all blades and moving parts for obstructions or damage.
4. Select a safe, open flying area.

## 4.2 Powering On and Binding

1. Turn on the remote controller first.
2. Connect the battery to the helicopter. The helicopter will perform a self-check and the LED navigation lights will indicate readiness.
3. Wait for GPS signal acquisition (if applicable). The H1 Smart Flight Controller will establish GPS positioning.

# Upgrade Intelligent Flight Control GPS Satellite Positioning

The H1 intelligent flight control realizes software shock absorption for the first time, and the air pressure is fixed, which greatly enhances the stability of fixed-point hovering. GPS positioning system, fast star search, strong anti-interference ability, built-in high-precision electronic compass, return home positioning accuracy up to 0.5 meters



Upgrade Intelligent





Figure 4.1: The H1 Smart Flight Controller enables precise GPS satellite positioning and enhanced stability.

### 4.3 Flight Modes

The JCZK 300C PRO offers three distinct flight modes for various skill levels and flight scenarios:

- **Self-Stabilization Mode:** The fuselage automatically restores balance. Manual adjustment is required to control flight attitude. This mode is fast, sensitive, and exciting, with a limited maximum inclination angle.
- **Fixed-Point Mode:** Intelligent flight control + GPS automatically maintains a fixed-point hover. No manual correction of flight attitude is needed. Suitable for beginners, offering super stable flight with no drift.
- **Automatic Return Mode:** After the helicopter rises to a certain height, it automatically returns to the take-off place. During the return descent, the left and right directions can be controlled to prevent collisions with obstacles.

# Fixed-point hover easy to use for novices

There is no need to adjust the flight attitude continuously with both hands. Release the remote control to automatically restore the balance, fix the height and automatically hover. Simple operation, novices can easily get started



Figure 4.2: Fixed-point hover simplifies flight for beginners by automatically maintaining balance and height.

# Dual-mode GPS positioning and intelligent return to home

With one-key return to home function, successfully record the home point before take-off, and realize intelligent return when you need to return home automatically



Figure 4.3: Dual-mode GPS positioning enables intelligent return-to-home functions, including one-key return, low pressure automatic return, and signal interruption automatic return.

## 5. MAINTENANCE

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

## 5.1 General Care

- Clean the helicopter with a soft, dry cloth after each use. Avoid water or harsh chemicals.
- Inspect blades, landing gear, and other components for cracks, bends, or loose connections.
- Ensure all screws are tightened appropriately. Do not overtighten.
- Store the helicopter in a cool, dry place away from direct sunlight.

## 5.2 Battery Care

- Always use the recommended charger.
- Do not overcharge or over-discharge the battery.
- Store batteries at room temperature and at approximately 50% charge if storing for extended periods.
- If the battery appears swollen or damaged, discontinue use immediately and dispose of it properly.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your JCZK 300C PRO RC Helicopter.

Problem	Possible Cause	Solution
Helicopter does not respond to remote controller.	Battery low on helicopter or remote controller; Not properly bound; Interference.	Charge batteries; Re-bind remote controller and helicopter; Move to an area with less interference.
Helicopter drifts during flight.	Trims not adjusted; Wind interference; GPS signal weak.	Adjust trim settings on remote controller; Fly in calmer conditions; Ensure clear view of sky for GPS.
Short flight time.	Battery not fully charged; Battery degradation; Aggressive flying.	Ensure full charge; Consider replacing old battery; Fly more conservatively.
Helicopter crashes upon automatic return.	Obstacles in return path; GPS home point not accurately set.	Ensure clear return path; Confirm GPS lock and home point before takeoff.

## 7. SPECIFICATIONS

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Detailed technical specifications for the JCZK 300C PRO RC Helicopter:

Component/Parameter	Specification
Model Number	O983840UR48ZS15D3O2BW
Body Length	700mm
Body Width	125mm
Body Height	230mm
Main Rotor Size	360mm
Tail Rotor Size	69mm

Component/Parameter	Specification
Main Rotor Diameter	820mm
Tail Rotor Diameter	180mm
Motor Gear	13T
Transmission Main Gear	151T
Tail Transmission Main Gear	56T
Tail Transmission Gear	15T
Gear Ratio	11:1:3.72
Single Aircraft Weight	2000g (4.41 lbs)
Motor	Professional brushless motor (JCZK-470L, 1150W output)
ESC	60A brushless ESC (V4 Platinum)
Servo	Swashplate servo*3, tail servo*1 (full-metal high-pressure servos)
Remote Controller	RadioLink AT9S PRO 2.4GHz/12-channel
Battery	YPG 40000mAh 4S 30C battery
Charger	Intelligent balance charger (IMAX B6AC 80W)
Flight Time	Approximately 10 minutes (under ideal conditions)
Product Dimensions	70 x 82 x 23cm (27.56 x 32.28 x 9.06 inches)
Product Weight	3000g (6.61 pounds)
Recommended Age	12 years and up

## 8. WARRANTY AND SUPPORT

ConsoleXpress stands behind the quality of its products. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official ConsoleXpress website.

If you encounter any issues or require technical assistance, please contact ConsoleXpress customer support through their official channels. Provide your product model number (JCZK 300C PRO / O983840UR48ZS15D3O2BW) and a detailed description of the problem for efficient service.

*Note: Unauthorized modifications or improper operation may void your warranty.*