

CHUBORY X10 PRO

CHUBORY X10 PRO GPS Drone with 4K UHD Camera User Manual

Model: X10 PRO

1. INTRODUCTION

This manual provides essential instructions for the safe operation and maintenance of your CHUBORY X10 PRO GPS Drone. The X10 PRO is equipped with a 4K UHD camera, 5 GHz FPV transmission, GPS, and optical flow positioning systems, designed for stable flight and high-resolution aerial photography and videography. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury.

2. PACKAGE CONTENTS

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

- CHUBORY X10 PRO Drone
- Remote Controller
- Intelligent Flight Batteries (3 units)
- Spare Propellers (multiple sets)
- USB Charging Cable
- Screwdriver
- Carrying Bag
- User Manual (this document)



Image: The CHUBORY X10 PRO drone, remote controller, three batteries, spare propellers, charging cable, screwdriver, and carrying bag.

3. PRODUCT OVERVIEW

3.1 Drone Components

The X10 PRO drone features a foldable design for portability. Key components include brushless motors, a 4K UHD camera with a 100° wide-angle lens, and integrated GPS and optical flow sensors.

Hochauflösende Videoqualität

4K UHD-Kamera, 100° Sichtfeld, 90° ferngesteuert verstellbar



Kamerasensor

Objektivleistung



Image: Close-up view of the CHUBORY X10 PRO drone, highlighting the 4K UHD camera with its 100° field of view and 90° remote adjustment capability.

3.2 Remote Controller

The remote controller provides intuitive control over the drone's flight and camera functions. It includes a mount for your smartphone, allowing for real-time FPV viewing via the dedicated app.

Automatische Heimkehr

Smart Return, nicht anfällig für Drohnenverlust



Image: The CHUBORY X10 PRO drone in flight, illustrating its GPS functionality, smart return capabilities, 5G signal, signal loss return, and low battery return features.

4. SETUP

4.1 Battery Installation and Charging

Insert the intelligent flight batteries into the drone and remote controller. Ensure batteries are fully charged before each flight. The drone comes with three batteries, providing a total flight time of up to 90 minutes.

Tragbar für Reisen

Kompakt zusammenklappbar, vollständiges Zubehör
Reisebereite Aufbewahrungstasche
Keine FAA-Zertifizierung erforderlich



Image: The CHUBORY X10 PRO drone with an overlay indicating 90 minutes of flight time, supported by three intelligent flight batteries.

4.2 Propeller Installation

Attach the propellers to the corresponding motor shafts, ensuring correct orientation (A and B propellers). Use the provided screwdriver to secure them firmly.

4.3 Remote Controller and App Setup

Power on the remote controller. Download and install the official CHUBORY drone app on your smartphone. Connect your smartphone to the remote controller and establish a 5 GHz Wi-Fi connection with the drone for FPV transmission.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checklist

- Ensure all batteries (drone and remote) are fully charged.

- Check that propellers are securely attached and undamaged.
- Verify the drone's camera lens is clean.
- Choose an open, clear area for flight, away from obstacles, people, and electromagnetic interference.
- Check local regulations for drone operation.

5.2 Takeoff and Landing

After powering on the drone and remote, and connecting to the app, perform a compass calibration if prompted. Use the one-key takeoff/landing button for automated ascent and descent. Alternatively, manually control takeoff by pushing both joysticks to the bottom-outer corners to start motors, then slowly push the left joystick up.

5.3 Flight Modes and Features

- **GPS Positioning:** Provides stable outdoor flight and precise hovering.
- **Optical Flow Positioning:** Enhances indoor flight stability when GPS is unavailable.
- **Automatic Return:** The drone will automatically return to its takeoff point if the battery is low, signal is lost, or the one-key return button is pressed.
- **Intelligent Flight Functions:** Utilize GPS-supported features such as 'Automatic Following' (Follow Me), 'Tap to Fly' (Waypoint Flight), and 'Point of Interest' via the app for autonomous flight paths and creative shots.



Image: An infographic summarizing the CHUBORY X10 PRO drone's key features, including 4K UHD camera, GPS positioning, FPV, intelligent return, preset flight path, circle flight, automatic hovering, speed switch, intelligent tracking, and one-button start/landing.

5.4 Camera Operation

The 4K UHD camera captures high-resolution images (4096 x 3072 pixels) and videos (2048 x 1080 pixels). The 100° wide-angle lens can be adjusted up to 90° vertically using the remote control or the app to optimize your viewing angle during flight.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the drone's body, camera lens, and sensors with a soft, dry cloth. Avoid using liquids or solvents that could damage components.

6.2 Battery Care

Store batteries in a cool, dry place. Do not overcharge or fully discharge batteries. If storing for extended periods, charge them to approximately 50-60% capacity.

6.3 Propeller Replacement

Inspect propellers for cracks or damage before each flight. Replace any damaged propellers immediately using the provided spare parts and screwdriver. Ensure correct propeller type (A or B) is installed on the corresponding motor.

7. TROUBLESHOOTING

- **Drone does not power on:** Ensure batteries are fully charged and correctly inserted.
- **No FPV feed:** Check Wi-Fi connection between smartphone and drone. Ensure the app is open and updated.
- **Unstable flight:** Perform compass calibration. Ensure GPS signal is strong for outdoor flight. Check for damaged propellers.
- **Remote controller not connecting:** Ensure both drone and remote are powered on and within range. Repair if necessary according to app instructions.

8. SPECIFICATIONS

Model Number	X10 PRO
Weight	233 grams (under 0.2 kg)
Dimensions (Folded)	7.5 x 15.5 x 6 cm
Flight Time	Up to 90 minutes (with 3 batteries)
Control Range	Up to 1000 meters (3000 feet)
Camera	4K UHD (4096 x 3072 px images, 2048 x 1080 px video)
Camera Field of View	100° wide-angle, 90° adjustable

FPV Transmission	5 GHz Wi-Fi
Motors	Brushless
Positioning Systems	GPS, Optical Flow



Image: The CHUBORY X10 PRO drone in its folded, portable state next to its carrying bag, emphasizing its travel-friendly design and weight under 250g.



Image: A person operating the CHUBORY X10 PRO drone with a remote controller in a mountainous landscape, illustrating the drone's long control range of up to 3280 feet.

9. WARRANTY AND SUPPORT

The CHUBORY X10 PRO drone comes with a 1-year warranty for damaged parts and a 30-day money-back guarantee for any reason. For technical assistance, troubleshooting, or warranty claims, please contact CHUBORY customer support. Contact information can typically be found on the product packaging or the official CHUBORY website.