

CHUBORY X10 PRO

CHUBORY X10 PRO GPS Drone User Manual

Model: X10 PRO

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your CHUBORY X10 PRO GPS Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury.

2. PRODUCT OVERVIEW

The CHUBORY X10 PRO is a medium-sized GPS drone designed for ease of use and high-quality aerial photography. It features a 4K UHD camera, brushless motors, and advanced GPS functionalities for stable and intelligent flight.

Key Features:

- **4K UHD Camera:** Captures high-resolution photos (4096x3072 pixels) and videos (2048x1080 pixels) with a 100° wide-angle lens, electronically adjustable up to 90°.
- **Brushless Motors:** Provides powerful, quiet, and wind-resistant flight performance.
- **Extended Flight Time:** Up to 90 minutes total flight time with three included batteries.
- **Long Control Range:** Control distance up to 1000 meters with 5GHz FPV transmission.
- **Dual Positioning System:** Optical flow for indoor stability and GPS for precise outdoor hovering.
- **Smart Flight Modes:** Features such as Automatic Follow, Tap to Fly, Point of Interest, and Gesture Control.
- **Portability:** Foldable design with a durable carrying case for easy transport.

Components:



Figure 1: CHUBORY X10 PRO GPS Drone with remote controller, three batteries, spare propellers, charging cable, screwdriver, and carrying case.

The package includes the CHUBORY X10 PRO drone, a remote controller, three intelligent flight batteries, a USB charging cable, spare propellers, a small screwdriver, and a dedicated carrying case.

3. SETUP

3.1 Unboxing and Initial Inspection

Carefully remove all components from the carrying case. Inspect the drone and accessories for any signs of damage. Ensure all parts listed in the Product Overview section are present.

3.2 Battery Installation

Insert a charged intelligent flight battery into the designated compartment on the rear of the drone until it clicks securely into place. Ensure the battery is fully charged before first use.

3.3 Propeller Installation

The drone comes with pre-installed propellers. If replacement is necessary, ensure to match the 'A' and 'B' marked propellers to their corresponding motor arms. Use the provided screwdriver to secure them.

3.4 Remote Controller Setup

Unfold the remote controller's phone holder. Power on the controller by pressing and holding the power button. The controller can operate the drone independently, or in conjunction with a smartphone for FPV view and advanced features.

3.5 App Installation

Download the official CHUBORY drone application to your smartphone. Scan the QR codes provided in the quick start guide for iOS or Android versions. The app enables real-time video transmission, access to smart flight modes, and camera controls.

4. PRE-FLIGHT PREPARATION

4.1 Flight Environment

Choose an open, clear area free from obstacles, people, and strong electromagnetic interference. Avoid flying in strong winds, heavy rain, or extreme temperatures. For optimal GPS performance, ensure a clear view of the sky.

4.2 Drone and Controller Pairing

1. Place the drone on a flat, level surface.
2. Power on the drone by pressing and holding the power button.
3. Power on the remote controller.
4. Wait for the drone and controller to automatically pair. Indicators on both devices will confirm successful pairing.

4.3 Compass Calibration

Perform compass calibration before each flight, especially when flying in a new location. Follow the instructions in the app or the quick start guide for the specific calibration procedure.

5. OPERATING INSTRUCTIONS

5.1 Basic Flight Controls

The remote controller features two joysticks for flight control. The left joystick typically controls altitude and rotation, while the right joystick controls forward/backward and left/right movement. Refer to the quick start guide for detailed control diagrams.

5.2 Take-off and Landing

- **One-Key Take-off:** Press the dedicated one-key take-off button on the controller or in the app. The drone will automatically ascend to a safe hovering altitude.
- **Manual Take-off:** Push both joysticks to the bottom-inner corners to arm the motors, then slowly push the left joystick up to ascend.
- **One-Key Landing:** Press the dedicated one-key landing button. The drone will descend and land automatically.
- **Manual Landing:** Slowly pull the left joystick down to descend. Once landed, push both joysticks to the bottom-inner corners to disarm the motors.

5.3 GPS Functions

Ritorno Automatico

Smart Return, riduce il rischio di perdita del drone



Figure 2: The GPS Smart Return feature reduces the risk of drone loss by automatically returning to the take-off point.

- **GPS Positioning:** Ensures stable hovering outdoors, maintaining a constant altitude and position.
- **Smart Return to Home (RTH):** The drone will automatically return to its take-off point if the battery is low, signal is lost, or the RTH button is pressed.
- **Altitude Hold:** Maintains a set altitude for stable footage capture.

5.4 Camera Operation

Qualità video ad alta definizione

Fotocamera 4K UHD, Campo visivo di 100°,
Inclinazione regolabile a 90° tramite telecomando



Sensore della fotocamera

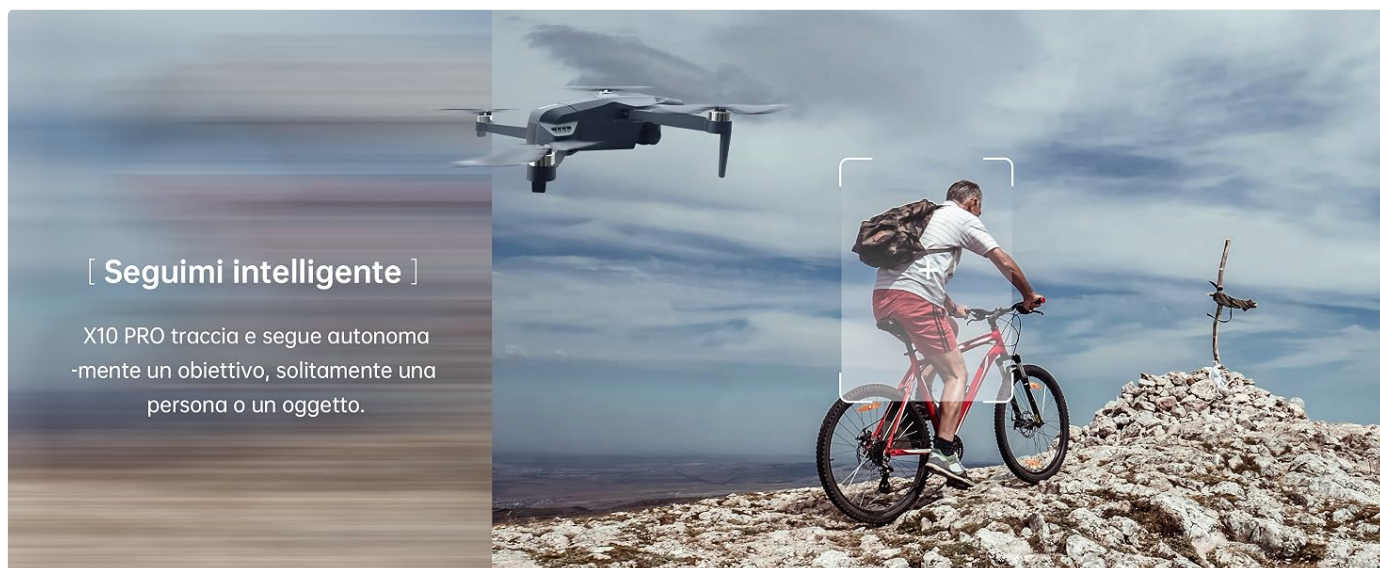
Prestazioni dell'obiettivo



Figure 3: The 4K UHD camera offers a 100° field of view and can be adjusted up to 90° via the remote control or app.

- **4K UHD Camera:** Capture stunning photos and videos. The camera angle can be adjusted remotely.
- **FPV Transmission:** Enjoy stable and fluid real-time video transmission to your smartphone via 5GHz Wi-Fi.
- **Dual Camera Switching:** The drone features both a front-facing and a bottom-mounted camera. Switch between them using the app for different perspectives.

5.5 Smart Flight Modes



[Seguimi intelligente]

X10 PRO traccia e segue automaticamente un obiettivo, solitamente una persona o un oggetto.

Figure 4: Smart Follow mode allows the drone to track a designated subject automatically.

- **Automatic Follow:** The drone will track and follow a designated subject, such as a person or object.
- **Tap to Fly:** Navigate the drone by simply tapping desired waypoints on the map within the app.
- **Point of Interest:** The drone will orbit automatically or maintain focus on a specific position or object.
- **Gesture Control:** Use specific hand gestures to trigger photo or video recording.

6. MAINTENANCE

- Regularly inspect propellers for damage and replace if necessary.
- Keep the drone and its components clean and free from dust and debris.
- Store the drone and batteries in a cool, dry place away from direct sunlight.
- Charge batteries using only the provided USB charging cable.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Low battery or incorrect installation.	Ensure battery is fully charged and correctly inserted.
Loss of control signal	Out of range, interference, or low controller battery.	Fly within range, avoid interference, charge controller. Use Smart Return to Home.
Unstable flight/Drifting	Improper calibration or strong winds.	Perform compass and gyroscope calibration. Avoid flying in strong winds.
Poor video transmission	Weak Wi-Fi signal or interference.	Ensure strong Wi-Fi connection between phone and drone. Avoid areas with high interference.

8. SPECIFICATIONS

- **Brand:** CHUBORY
- **Model:** X10 PRO
- **Item Weight:** 233 g

- **Product Dimensions:** 7.5 x 15.5 x 6 cm
- **Batteries:** 3 Lithium Ion batteries (included)
- **Connectivity Technology:** Wi-Fi (5GHz FPV transmission)
- **Camera:** 4K UHD, 100° FOV, 90° adjustable angle
- **Control Range:** Up to 1000 meters
- **Flight Time:** Up to 90 minutes (with 3 batteries)

9. WARRANTY AND SUPPORT

CHUBORY offers a 30-day money-back guarantee for any reason. For any questions or assistance, our support team is available 24/7. Please refer to the contact information provided in your product packaging or on the official CHUBORY website for support details.



Figure 5: CHUBORY provides 24/7 customer support, user manuals, quick start guides, and video tutorials.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question