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› XT505 Drone with Camera for Adults, 5g Optical Flow GPS Foldable Drones with Professional Dual Wifi Aerial Camera, Medium Size Servo Motors Cloud Platform

HYPER GO XT505

HYPER GO XT505 Drone User Manual

Model: XT505

Brand: HYPER GO

1. PRODUCT OVERVIEW

The HYPER GO XT505 is a foldable GPS drone designed for adults, featuring advanced optical flow positioning and a professional dual Wi-Fi aerial camera. This drone offers a stable flight experience and high-definition photography capabilities, making it suitable for capturing stunning aerial visuals.



Figure 1: The HYPER GO XT505 Foldable Drone. This image displays the drone in its unfolded state, showcasing its four propellers, the main body with integrated camera, and landing gear. The drone is black with subtle green and blue accents.

Key Features:

- **6K High-Definition Camera:** Capture amazing photos and videos with high quality and frame rate.
- **Adjustable Camera Angle:** Remotely adjust the camera up to 90 degrees for versatile shooting.
- **Optical Flow Positioning:** Enhanced stability during flight and photography.
- **Wi-Fi Real-time Streaming:** Share moments quickly with family and friends.
- **Foldable Design:** Compact and portable for easy transport.
- **GPS Functionality:** Provides precise positioning and intelligent flight modes.

2. PACKAGE CONTENTS

Please check the package contents carefully upon unboxing. If any items are missing or damaged, contact customer support.

- HYPER GO XT505 Drone (1)
- Remote Controller (1)
- Lithium Polymer Batteries (3)
- USB Charging Cable (1)
- Spare Propellers (Set)
- Screwdriver (1)
- User Manual (1)

3. SAFETY GUIDELINES

Read all instructions and warnings carefully before operation.

- **Flight Environment:** Fly in open areas, away from people, buildings, and obstacles. Avoid flying near airports or restricted airspace.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or fog.
- **Battery Safety:** Use only original batteries and chargers. Do not overcharge or puncture batteries. Store batteries in a cool, dry place.
- **Propeller Safety:** Keep hands and face away from rotating propellers. Ensure propellers are correctly installed before flight.
- **Operator Responsibility:** The operator is responsible for safe operation and compliance with local regulations.
- **Age Restriction:** This product is intended for adults.

4. SETUP

4.1 Charging the Batteries

1. Connect the USB charging cable to the drone battery and a suitable USB power adapter (not included).
2. The indicator light on the battery will show charging status (e.g., red for charging, green for fully charged).
3. Charge the remote controller if it uses a rechargeable battery, or insert new AA batteries if required.

4.2 Propeller Installation

1. Identify the 'A' and 'B' marked propellers and corresponding motor arms.
2. Attach each propeller to its correct motor shaft, ensuring a secure fit. Use the provided screwdriver if necessary.
3. Double-check that all propellers are firmly attached and can rotate freely.

4.3 Unfolding the Drone

Gently unfold the drone arms until they click into place. Ensure all arms are fully extended before flight.

4.4 App Download and Connection

1. Scan the QR code in the quick start guide or search for the official HYPER GO drone app in your device's app store.
2. Install the app and enable necessary permissions (e.g., location, camera, Wi-Fi).
3. Power on the drone and connect your smartphone to the drone's Wi-Fi network (usually named "HYPER GO_XXXXXX").
4. Open the app to establish connection and view the live camera feed.

5. OPERATING INSTRUCTIONS

5.1 Remote Controller Overview

Familiarize yourself with the remote controller's buttons and joysticks. Refer to the diagram in the quick start guide for specific button functions.

5.2 Calibration and GPS Lock

1. Place the drone on a flat, open surface.
2. Power on the drone and remote controller.

3. Perform compass calibration as instructed by the app or drone's indicator lights. This typically involves rotating the drone horizontally and vertically.
4. Wait for the drone to acquire sufficient GPS satellites (indicator lights will change).

5.3 Take-off and Landing

- **One-Key Take-off:** Press the designated button on the remote controller or in the app to automatically take off and hover.
- **Manual Take-off:** Push both joysticks down and out to start the motors, then slowly push the left joystick up to ascend.
- **One-Key Landing:** Press the designated button to automatically land.
- **Manual Landing:** Slowly pull the left joystick down to descend, then push both joysticks down and in to stop motors after landing.

5.4 Flight Controls

- **Left Joystick (Mode 2):** Up/Down for altitude, Left/Right for yaw (rotation).
- **Right Joystick (Mode 2):** Up/Down for forward/backward, Left/Right for left/right strafe.
- **Speed Modes:** Use the speed button to switch between different flight speeds (e.g., low, medium, high).

5.5 Camera Operation

- **Take Photo:** Press the photo button on the remote controller or in the app.
- **Record Video:** Press the video button to start/stop recording.
- **Adjust Camera Angle:** Use the dedicated button or scroll wheel on the remote controller to adjust the camera's tilt.
- **Storage:** Photos and videos are typically saved to your smartphone via the app, and/or to an inserted SD card on the drone (if applicable).

6. MAINTENANCE

6.1 Cleaning

- Wipe the drone body with a soft, dry cloth after each flight.
- Remove any dust or debris from motors and propellers.
- Clean the camera lens gently with a microfiber cloth.

6.2 Propeller Inspection

Regularly inspect propellers for cracks, bends, or damage. Replace damaged propellers immediately using the provided spares.

6.3 Battery Care and Storage

- Do not fully discharge batteries. Charge them to about 50-60% for long-term storage.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- If a battery swells or shows signs of damage, discontinue use and dispose of it properly.

6.4 Storage

Fold the drone arms and store the drone and its accessories in the original packaging or a dedicated carrying case to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or not inserted correctly.	Ensure battery is fully charged and securely connected.
No live video feed in app.	Wi-Fi not connected or app permissions missing.	Verify Wi-Fi connection to drone. Check app permissions (location, Wi-Fi). Restart app and drone.
Drone drifts during flight.	Improper calibration or strong wind.	Perform compass and gyroscope calibration. Avoid flying in windy conditions.
Propellers not spinning.	Motors not armed or propellers obstructed.	Ensure motors are armed (joystick command). Check for obstructions around propellers.
Poor GPS signal.	Flying indoors or near tall structures.	Fly in open outdoor areas with clear sky view.

8. SPECIFICATIONS

Feature	Detail
Brand	HYPER GO
Model Name	XT505
Product Dimensions	14 x 10 x 7.5 cm (folded)
Item Weight	184 g
Video Capture Resolution	4K
Connectivity Technology	USB, Wi-Fi
Batteries	3 Lithium Polymer batteries (included)
Color	Black
First Available Date	Sept. 15 2024

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official HYPER GO website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Website: www.hypergo.com (Example link, replace with actual if known)

Email: support@hypergo.com (Example email, replace with actual if known)

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

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Email

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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