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SYMA EX500

SYMA X500 4K Drone User Manual

Model: EX500

Brand: SYMA

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your SYMA X500 4K Drone. The SYMA X500 is a lightweight quadcopter designed for adults and beginners, featuring a 4K UHD camera, GPS capabilities, and extended flight time. Please read this manual thoroughly before operating the drone to ensure proper usage and to maximize your flying experience.



Image: The SYMA X500 4K Drone, its remote controller, and two batteries, ready for use.

2. WHAT'S IN THE BOX

Your SYMA X500 package includes the following components:

- SYMA X500 Drone
- Remote Control (Transmitter)
- 2 x Lithium Ion Batteries
- 4K UHD Camera (integrated)
- USB Charging Cable
- User Manual (PDF version available online)
- Small Screwdriver and spare propellers (for maintenance)

4K

Wi-Fi HD Camera

Capture clearer photos and videos in real time



Image: All components included in the SYMA X500 drone package.

3. SETUP GUIDE

3.1. Battery Charging

Ensure both Lithium Ion batteries are fully charged before first use. Connect the batteries to the provided USB charging cable and plug into a compatible USB power source. The indicator light will show charging status.

3.2. Remote Control Preparation

The remote control is designed for convenience and does not require AA batteries. Extend the phone holder from the top of the remote control to securely mount your smartphone for FPV (First Person View) operation.

3.3. Drone Assembly

Unfold the drone's arms until they click into place. Ensure all propellers are securely attached and free from obstruction.

3.4. SYMA AIR App Download

Download the official SYMA AIR app to your smartphone for advanced features and real-time camera view. Scan the QR codes below or visit your device's app store:

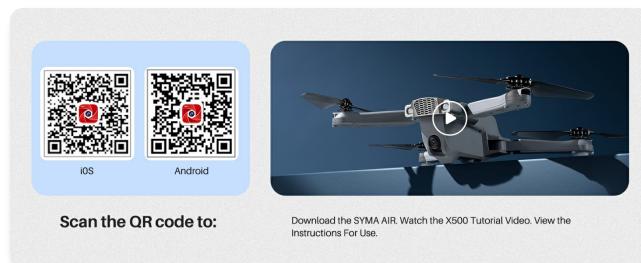


Image: QR codes for downloading the SYMA AIR app for iOS and Android devices.

For iOS: [Download for iOS](#)

For Android: [Download for Android](#)

3.5. Quick Start Steps

Follow these steps for a quick and safe first flight:

1. Place drone on a level surface outdoors with its head pointing forward.
2. Turn on drone and transmitter.
3. Push left joystick up, then down.
4. Long press Compass Calibration button.
5. Rotate drone horizontally until rear indicators flash quickly.
6. Rotate drone vertically until rear indicators turn solid green.
7. Simultaneously push both joysticks towards bottom left corner.
8. Simultaneously push joysticks towards inner bottom corners.
9. Press Takeoff/Landing button.

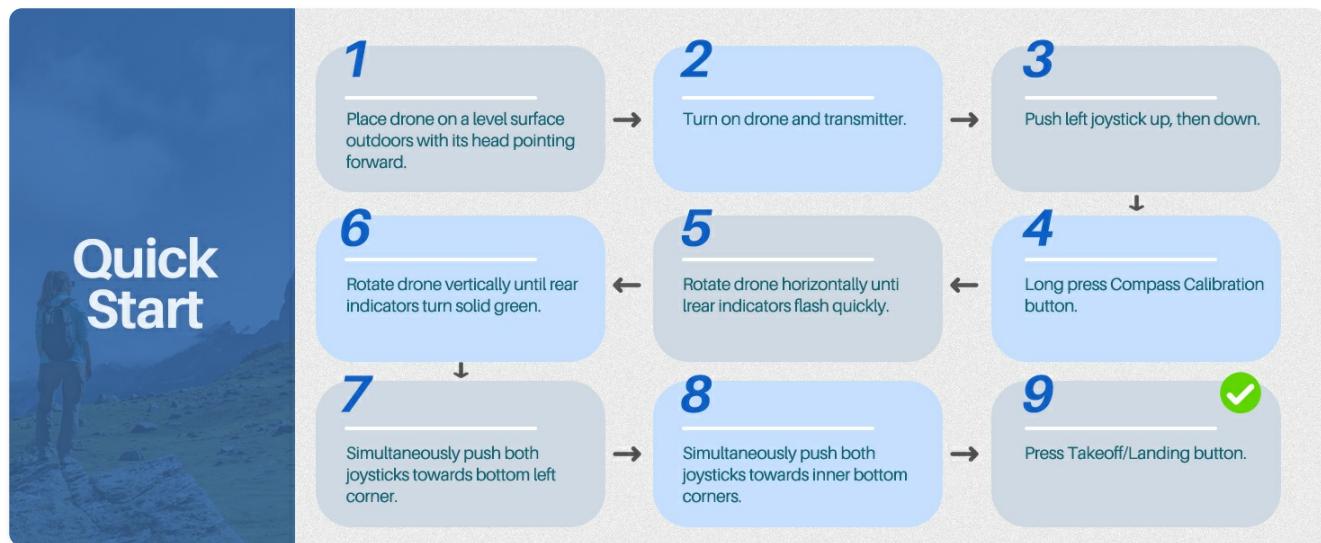


Image: Visual guide for the SYMA X500 drone's quick start procedure.

4. OPERATING INSTRUCTIONS

4.1. Flight Modes and Features

- **Headless Mode:** Simplifies control by eliminating the need to adjust the drone's position before flight.

- **Altitude Mode:** Maintains a consistent altitude, making it easier to control.
- **One Key Take-off / Land:** Allows for easy initiation and conclusion of flight with a single button press.
- **GPS Auto Return:** The drone automatically returns to its take-off point when the battery is low, signal is lost, or upon manual command.
- **Follow Me:** The drone can trace and automatically follow you, allowing for hands-free recording.
- **Object Trace & Custom Path:** Set a unique flight path or trace specific objects for dynamic aerial footage.
- **Hand Gestures:** Control photo and video recording with simple hand gestures within 300 inches of the drone.
- **Optical Flow Positioning:** Provides real-time observation of ground situation for stable flight.



Image: The drone's GPS Auto Return feature, showing it returning to its take-off point.



Optical Flow Sensor

real-time observation and feedback of ground situation, adjust the flight attitude in time.



Image: The drone's Intelligent Flight capabilities, including Follow Me and Tap Fly modes.



Custom Flight Path



Image: The drone's custom flight path feature, allowing users to pre-set routes.



Follow me mode
and gesture control

Image: The drone's Follow Me mode and gesture control for hands-free operation.

4.2. 4K UHD Camera and FPV

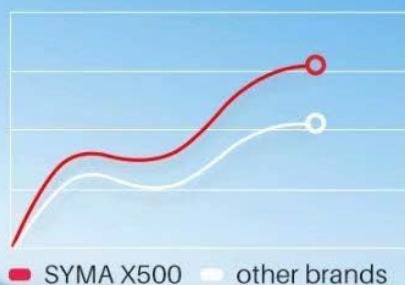
The integrated 4K UHD camera captures high-resolution photos and videos. It features a 120° FOV (Field of View) and a 90° vertical gimbal movement for versatile shooting angles. The 5GHz FPV transmission provides real-time video feedback to your smartphone with minimal delay.

5G

5G WIFI TRANSMISSION

Offers zero delay and high-quality FPV real-time video

Compared



■ SYMA X500 ■ other brands

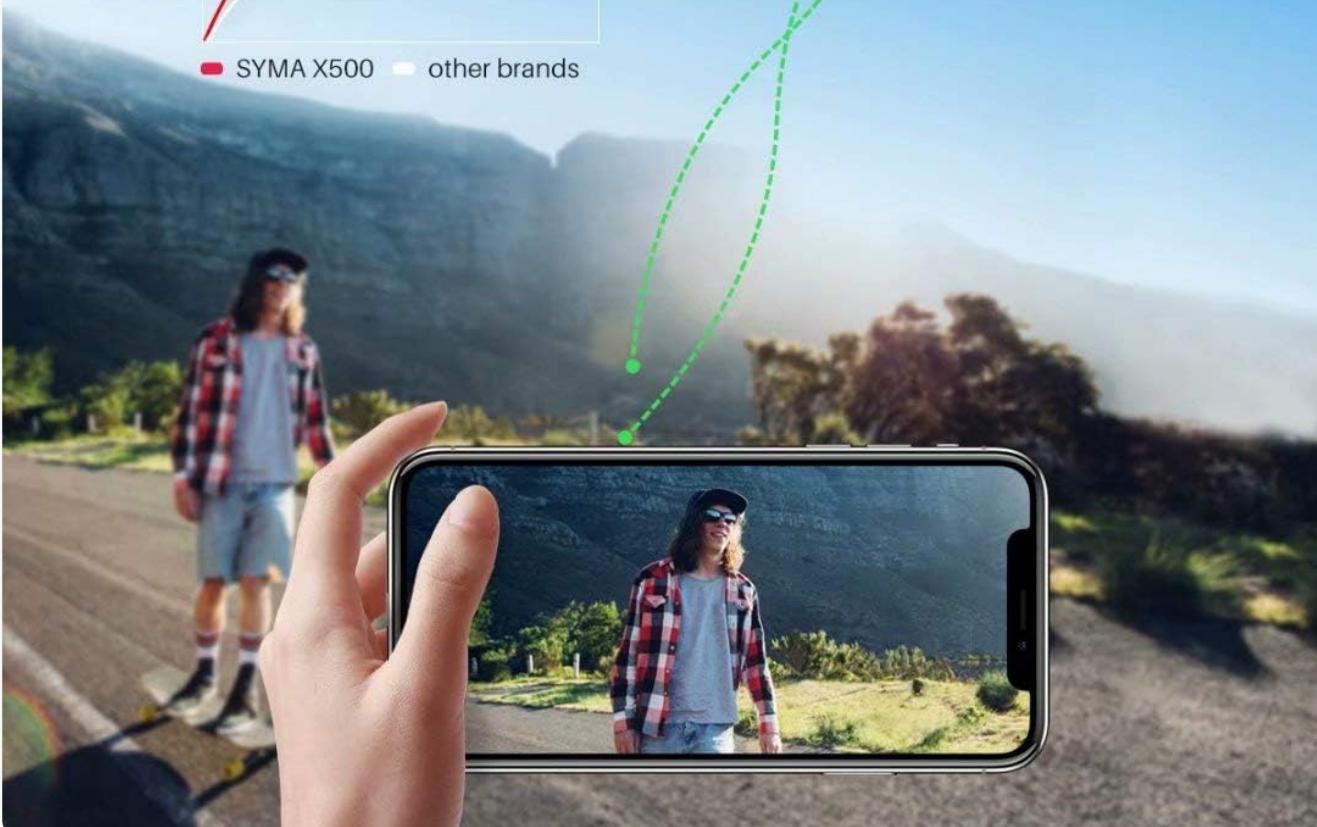


Image: Close-up of the drone's 4K Wi-Fi HD Camera, highlighting its 90-degree vertical adjustable angle.



GPS Return To Home

Never lose the drone. Returns automatically whenever

- Battery is low
- Signal is lost
- One key return

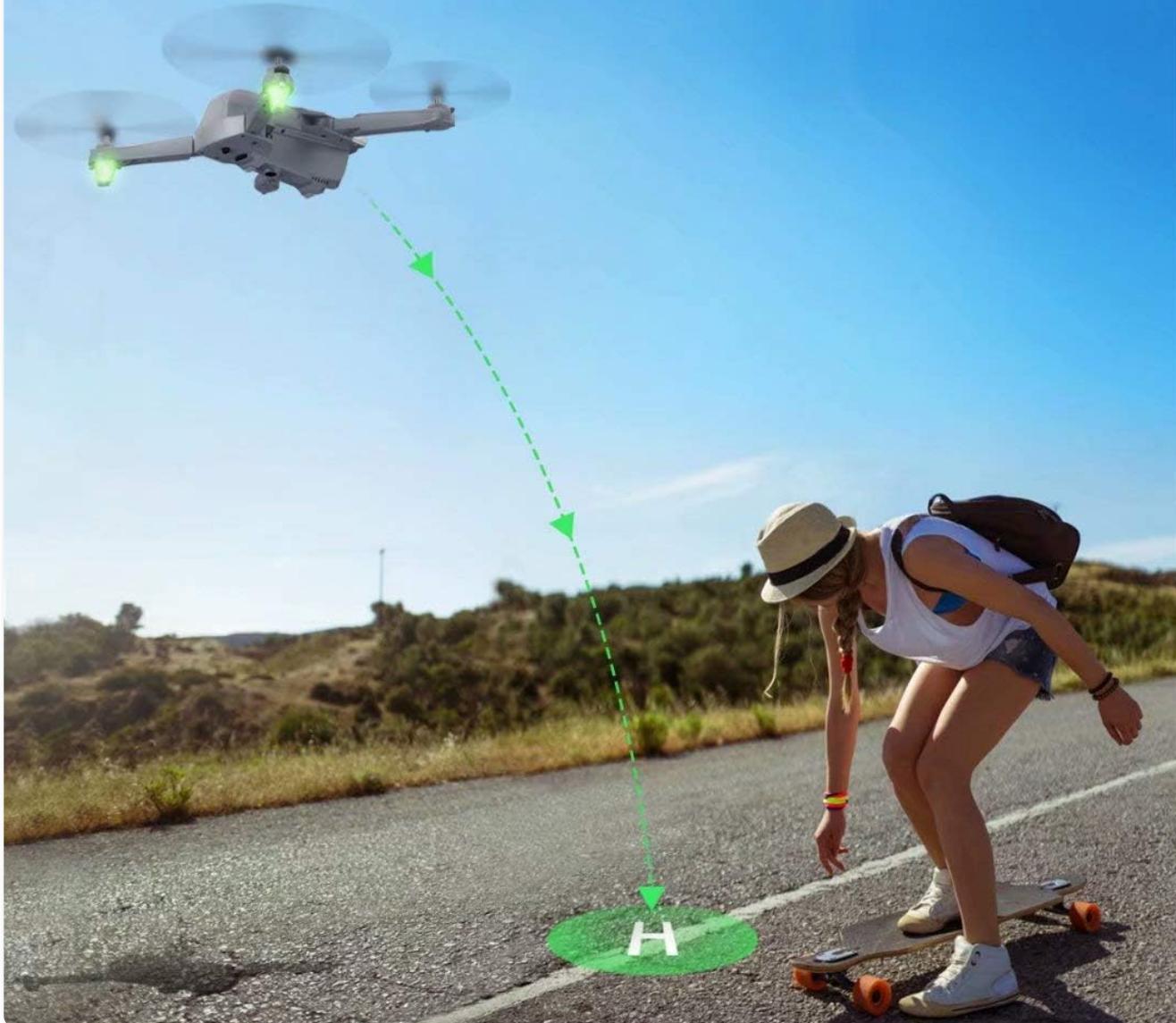


Image: A graph illustrating the superior 5GHz WiFi transmission of the SYMA X500 compared to other brands.

5. MAINTENANCE

To ensure the longevity and optimal performance of your SYMA X500 drone, regular maintenance is recommended:

- **Propeller Inspection:** Regularly check propellers for any damage (cracks, bends) and replace them if necessary using the provided spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge.
- **Cleaning:** Gently clean the drone body and camera lens with a soft, dry cloth. Avoid using harsh chemicals.
- **Storage:** When not in use, store the drone in its carrying case to protect it from dust and physical damage.

6. TROUBLESHOOTING

If you encounter issues with your SYMA X500 drone, consider the following common solutions:

- **Difficulty Connecting to App:** Ensure your smartphone's Wi-Fi is connected to the drone's network. Restart both the drone and the app. Verify the app is updated to the latest version.
- **Poor Picture Quality:** Ensure the camera lens is clean. Check for sufficient lighting conditions. Strong winds can affect video stability.
- **Unstable Flight/Drifting:** Perform a compass calibration as described in the Quick Start Guide (Section 3.5). Ensure the drone is placed on a level surface before takeoff.
- **Drone Flies Away Unexpectedly:** This can be due to improper calibration or signal interference. Always calibrate the drone before each flight in an open area. Ensure no strong magnetic fields or radio interference are present.

For more detailed troubleshooting and instructional videos, please refer to the full User Guide (PDF) available online or within the SYMA AIR app.

Have you encountered these problems?

 **Joshua** ★★★★★
Difficult to connect to APP, the Syma app does not list this model.

 **Guill Perez** ★★★★★
The picture quality didn't meet my expectations.

Watch the instruction video on SYMA

Please check the instruction manual below for product guides and documents. For any additional concerns or precautions, we stand ready to assist you promptly.



Image: Information regarding common user problems and where to find instruction videos and the user manual.

Full User Guide (PDF): [Download PDF](#)

7. SPECIFICATIONS

Feature	Detail
Brand	SYMA
Model Name	X500
Item Model Number	EX500
Age Range (Description)	Adult
Color	Black, White
Video Capture Resolution	4K UHD 2160p

Connectivity Technology	5GHz FPV
Skill Level	Beginner
Remote Control Technology	2.4GHz
Maximum Range	1148 feet (350 meters)
Battery Cell Composition	Lithium Ion
Flight Time	Up to 56 minutes (with 2 batteries)
Item Weight	2.12 pounds (approx. 960g)
Product Dimensions	12.99"L x 12"W x 0.28"H

8. WARRANTY AND SUPPORT

SYMA is committed to providing high-quality products and excellent customer service. Your SYMA X500 drone comes with server certifications, ensuring product quality and safety.

For any concerns, technical assistance, or warranty inquiries, please contact SYMA customer support:

Phone: +1 (718) 312-0558

Email: usa@symatoys.com (USA)

[Visit the SYMA Official Store](#)



Image: SYMA customer support details including phone and email.

