**SYMA X400**

# SYMA X400 Mini Drone User Manual

Model: X400 | Brand: SYMA

## PRODUCT OVERVIEW

The SYMA X400 Mini Drone is a versatile quadcopter designed for both adults and kids, offering an engaging flying experience with advanced features. It comes equipped with a 1080P HD camera for FPV (First Person View) and WiFi transmission, allowing for real-time sharing of photos and videos. Control is intuitive, available via the included remote or the SYMA Fly app, which unlocks additional functionalities like flight path mode and gravity control. User-friendly features such as Headless Mode, Altitude Hold, and One Key Take-off/Landing make it ideal for beginners. The drone also supports multiple stunts, including 360-degree flips and circular flight patterns, enhancing the fun. Enhanced safety features like low-voltage and over-current protection ensure worry-free operation. Two modular batteries are included for extended flight time.

Image: The SYMA X400 Mini Drone, its remote controller, and two modular batteries.

## SETUP GUIDE

### 1. Unboxing and Components

Upon opening the package, verify that all components are present:

- SYMA X400 Mini Drone
- Remote Control
- 2 x Modular Batteries
- USB Charging Cable (Note: Wall charger not included)
- Replacement Rotors

- Rotor Guards
- Instruction Manual

## 2. Battery Installation and Charging

Install the modular batteries into the drone. Connect the drone's battery to the USB charging cable. A full charge takes approximately 90 minutes via USB. Ensure the drone is fully charged before its first flight for optimal performance. For the remote control, four AA batteries (not included) are required. Insert them into the battery compartment on the back of the remote.

## 3. App Installation and Connection

Download the 'SYMA Fly' app from your device's app store. Once installed, connect your smartphone to the drone's Wi-Fi network (usually named 'SYMA-X400' or similar) before launching the app. The app provides an alternative control method and enables advanced features like FPV and flight path mode.

## OPERATING INSTRUCTIONS

### 1. Basic Flight Controls

Familiarize yourself with the remote control or app interface. The left joystick typically controls throttle (up/down) and yaw (rotation left/right). The right joystick controls pitch (forward/backward) and roll (sideways left/right). Always ensure the drone is calibrated before flight to prevent unintended movement.

### 2. User-Friendly Features

- **One Key Take-off/Landing:** Press the dedicated button to automatically launch or land the drone. This simplifies initial flight and safe return.
- **Altitude Hold Mode:** This feature allows the drone to maintain a stable altitude, making it easier to control and capture steady footage.
- **Headless Mode:** In Headless Mode, the drone's orientation is relative to the pilot, eliminating the need to adjust its position before flight. This is particularly helpful for beginners.

## 2 MODULAR BATTRY

16 Minuten

6 Minuten

OTHERS

OURS

Image: The drone performing one-key take-off/landing and maintaining altitude.

## 3. Advanced Flight Modes and Camera

- **1080P Camera & WiFi Transmission:** The integrated HD camera captures high-resolution photos and videos. Utilize the FPV mode via the SYMA Fly app for a real-time view from the drone.

Image: Detail of the drone's 1080P WiFi camera.

- **FPV Real-Time Transmission:** View live footage directly on your smartphone through the SYMA Fly app, allowing for immersive flight and easy content capture.

Image: Users enjoying real-time FPV transmission on their mobile devices.

- **Gravity Control:** Control the drone's flight direction by tilting your smartphone, offering a unique and intuitive flying experience.
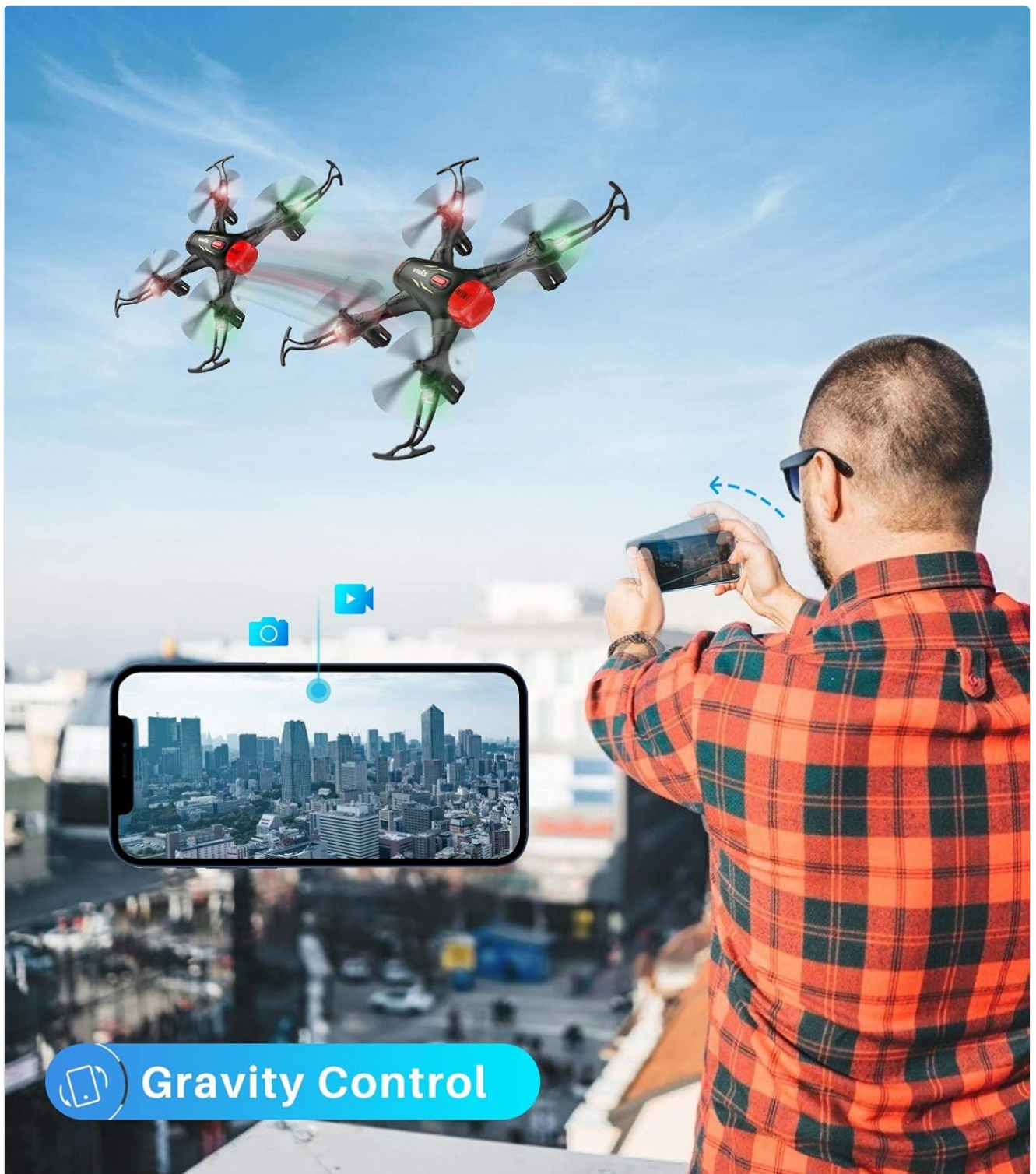
Image: Demonstrating gravity control using a smartphone to maneuver the drone.

- **Flight Path Mode:** Draw a desired flight path on your smartphone screen within the app, and the drone will automatically follow the specified route.

Image: The drone executing a custom flight path defined by the user on the app.

- **Multiple Stunts (360° Flip):** Execute impressive 360-degree flips and rolls with a single button press, adding excitement to your flights.

**One Key Start/ Landing**

**Altitude Hold Mode**

Image: The drone mid-air performing a 360-degree flip.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your SYMA X400 drone.

- **Cleaning:** Gently wipe the drone's body with a soft, dry cloth after each use to remove dust and debris. Avoid using harsh chemicals or excessive moisture.
- **Propeller Inspection:** Regularly check the propellers for any signs of damage, cracks, or bends. Damaged propellers can affect flight stability and safety. Replace them using the provided spare parts if necessary.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or completely drain the batteries. If storing for an extended period, charge them to about 50% capacity.

## TROUBLESHOOTING

If you encounter issues with your SYMA X400 drone, refer to the following common problems and solutions:

| Problem | Possible Cause / Solution |
|---|---|
| Drone does not respond to controls or flies erratically. | Ensure the drone and remote are properly paired. Recalibrate the drone by placing it on a flat surface and following the calibration steps in the quick start guide. Check battery levels for both drone and remote. |
| Camera not working or FPV feed is unstable. | Ensure your smartphone is correctly connected to the drone's Wi-Fi network. Restart the SYMA Fly app and the drone. Check for app updates. Verify the camera lens is clean and unobstructed. |
| Short flight time. | Ensure batteries are fully charged before each flight. Flight time can be affected by aggressive flying, wind conditions, and continuous use of camera features. |
| Drone drifts during flight. | Perform a trim adjustment using the remote control to correct any drifting. Recalibrate the drone on a flat surface. |
| Drone does not take off. | Check if propellers are installed correctly and not obstructed. Ensure batteries are charged and properly inserted. Confirm the drone is paired with the remote. |

## PRODUCT SPECIFICATIONS

| Feature | Detail |
|---|---|
| Brand | SYMA |
| Model Name | X400 |
| Color | Black and red |
| Product Dimensions | 6.14"L x 5.98"W x 1.5"H |
| Item Weight | 14.4 ounces |
| Material | Plastic |
| Video Capture Resolution | 1080p |
| Effective Still Resolution | 1080 |
| Connectivity Technology | Wi-Fi |
| Control Type | App Control |
| Battery Capacity | 400 Milliamp Hours |
| Batteries Included | Yes (2 Lithium Polymer batteries required, included) |
| Skill Level | Beginner |
| Recommended Age | 8 - 17 years (Manufacturer recommended) |
| Special Features | 4 channel, modular batteries, one-key start/landing, 360° flip and rotate |

# WARRANTY AND SUPPORT

SYMA is committed to providing high-quality products and excellent customer service.

## Protection Plans

Optional protection plans are available for extended coverage:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (covers all eligible past and future purchases)

## Customer Support

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

- **Phone:** +1 (718) 312-0558 (USA)
- **Email:** usa@symatoys.com



Image: SYMA customer support team ready to assist.