Syma X5C

Syma X5C RC Explorers Quad Copter User Manual

Model: X5C (SYSX5C)
Brand: Syma

1. Introduction

The Syma X5C RC Explorers Quad Copter is a versatile and stable drone equipped with a 6-axis gyro stabilization system, making it suitable for both indoor and outdoor flight. Its modular design simplifies assembly and maintenance. Key features include 360-degree eversion for impressive aerial maneuvers and an integrated HD camera for capturing photos and videos.

2. Package Contents

Please verify that all items listed below are included in your package:

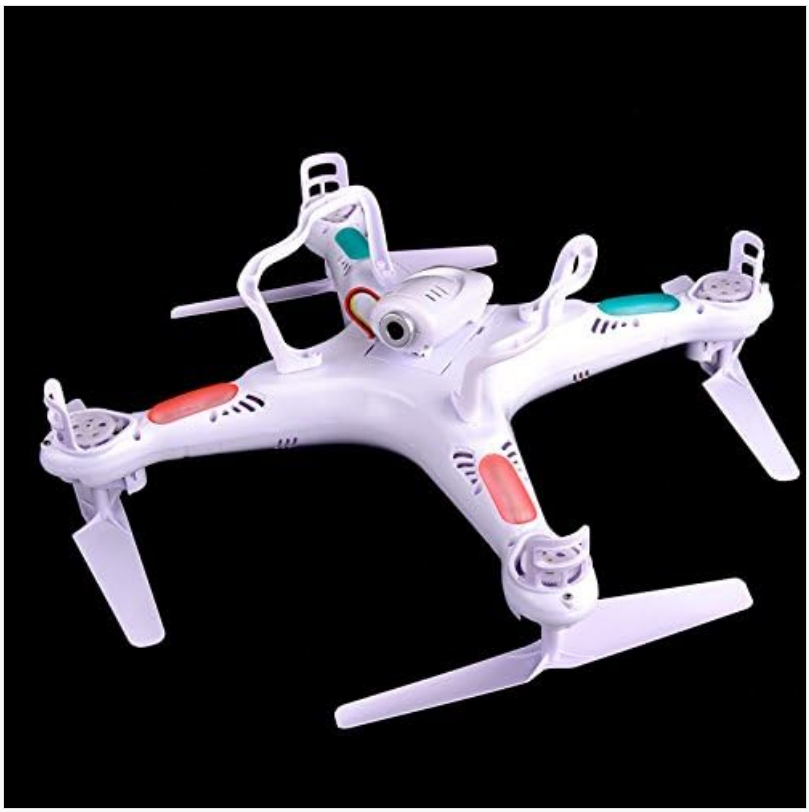
- 1 x Syma X5C RC Quad Copter
- 1 x 2.4G Remote Controller (*does not include 1.5V AA batteries*)
- 1 x USB charging cable
- 4 x Rotating blades (spare)
- 4 x Protection frames (propeller guards)
- 2 x Landing skids
- 1 x Screwdriver
- 1 x 3.7V 500mAh LiPO battery
- 1 x User Manual

3. Setup Guide

3.1 Charging the Quadcopter Battery

Connect the provided USB charging cable to the 3.7V 500mAh LiPO battery and a USB power source. The charging time is approximately 100 minutes. Ensure the battery is fully charged before first use.

3.2 Installing Quadcopter Battery

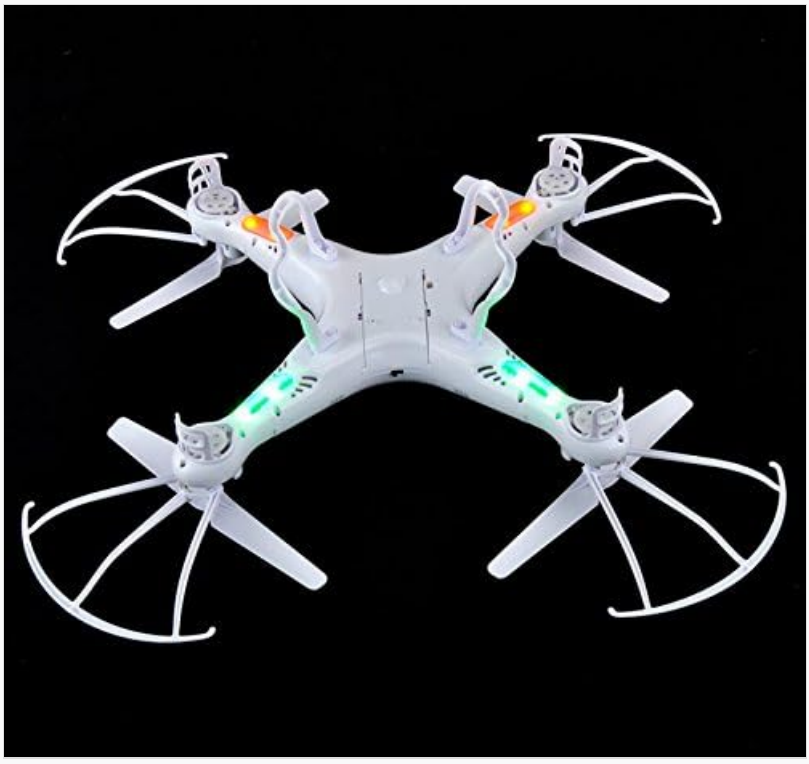


Open the battery compartment on the underside of the quadcopter. Insert the charged 3.7V 500mAh LiPO battery and securely close the compartment. The image above shows the underside of the quadcopter, where the battery compartment is located.

3.3 Installing Remote Controller Batteries

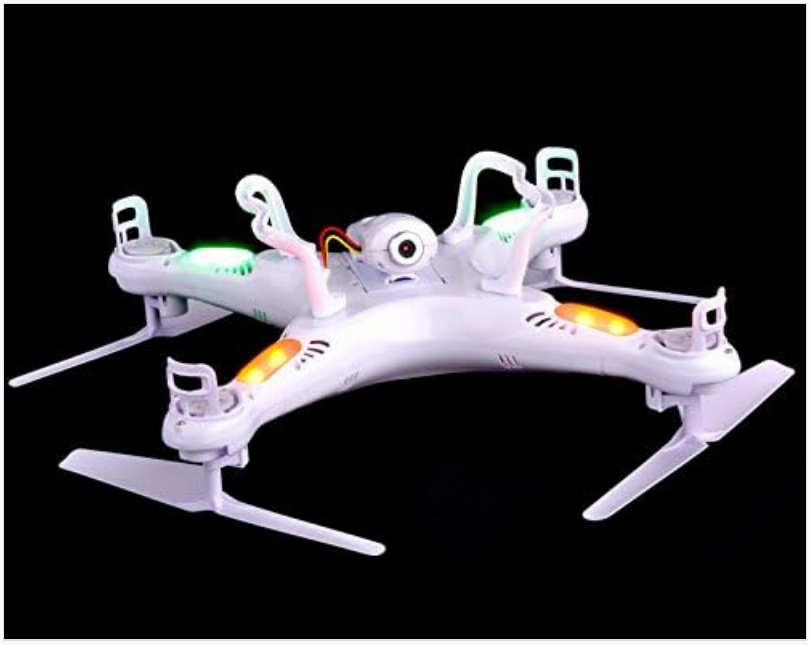
The 2.4G Remote Controller requires 1.5V AA batteries (not included). Open the battery compartment on the back of the remote and insert the batteries, observing polarity. Close the compartment.

3.4 Attaching Propeller Guards and Landing Skids



Carefully attach the four protection frames (propeller guards) to the motor arms of the quadcopter. Then, attach the two landing skids to the underside of the main body. Use the provided screwdriver if necessary. The image above illustrates the quadcopter with its propeller guards installed.

3.5 Attaching the HD Camera



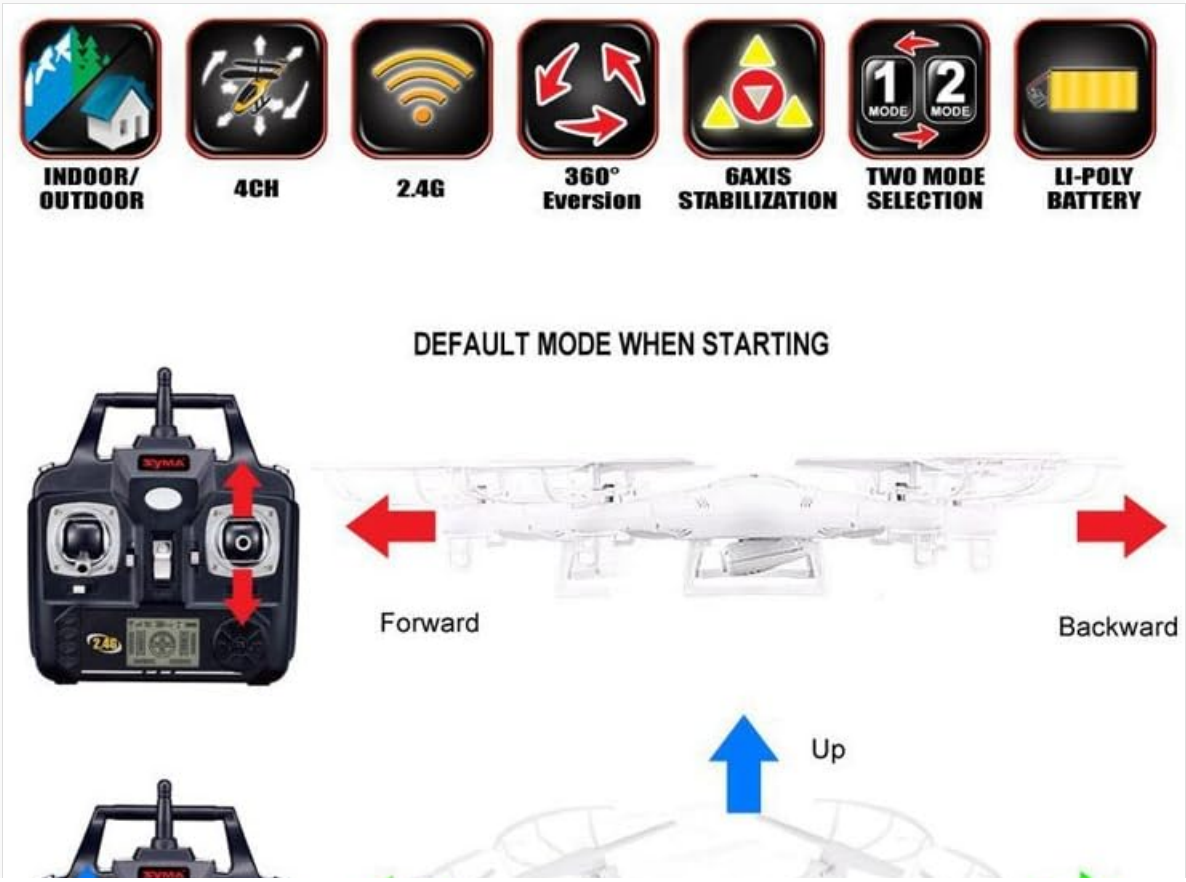
Locate the camera port on the underside of the quadcopter. Gently slide and secure the HD camera into place, ensuring a firm connection. The image above shows the quadcopter with the camera module attached to its underside.

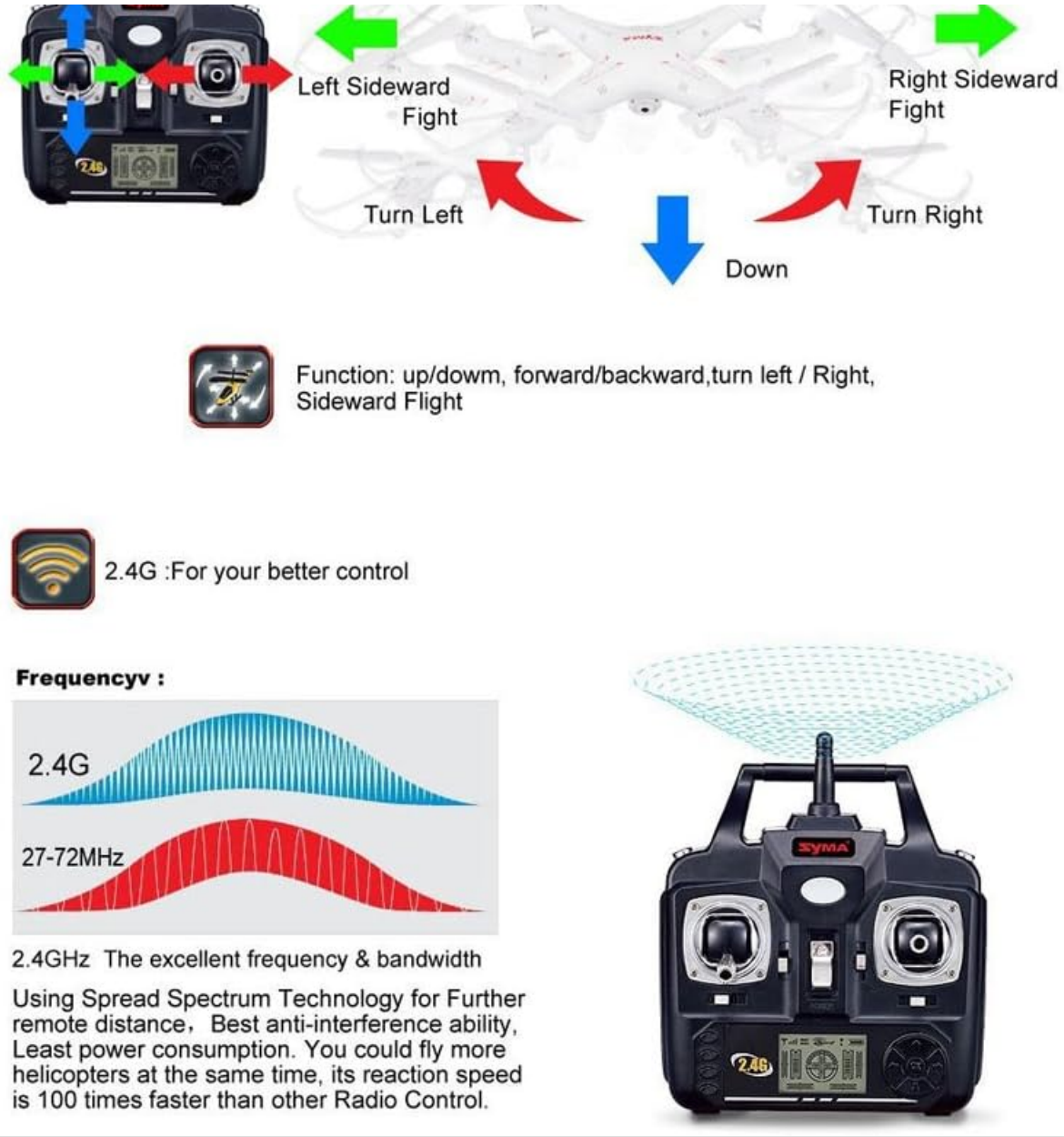
3.6 Binding the Quadcopter to the Remote

Place the quadcopter on a flat, level surface. Turn on the quadcopter, then turn on the remote controller. Push the left throttle stick all the way up, then all the way down. The indicator lights on the quadcopter will stop flashing and become solid, indicating successful binding.

4. Operating Instructions

4.1 Basic Flight Controls





Familiarize yourself with the remote controller's functions:

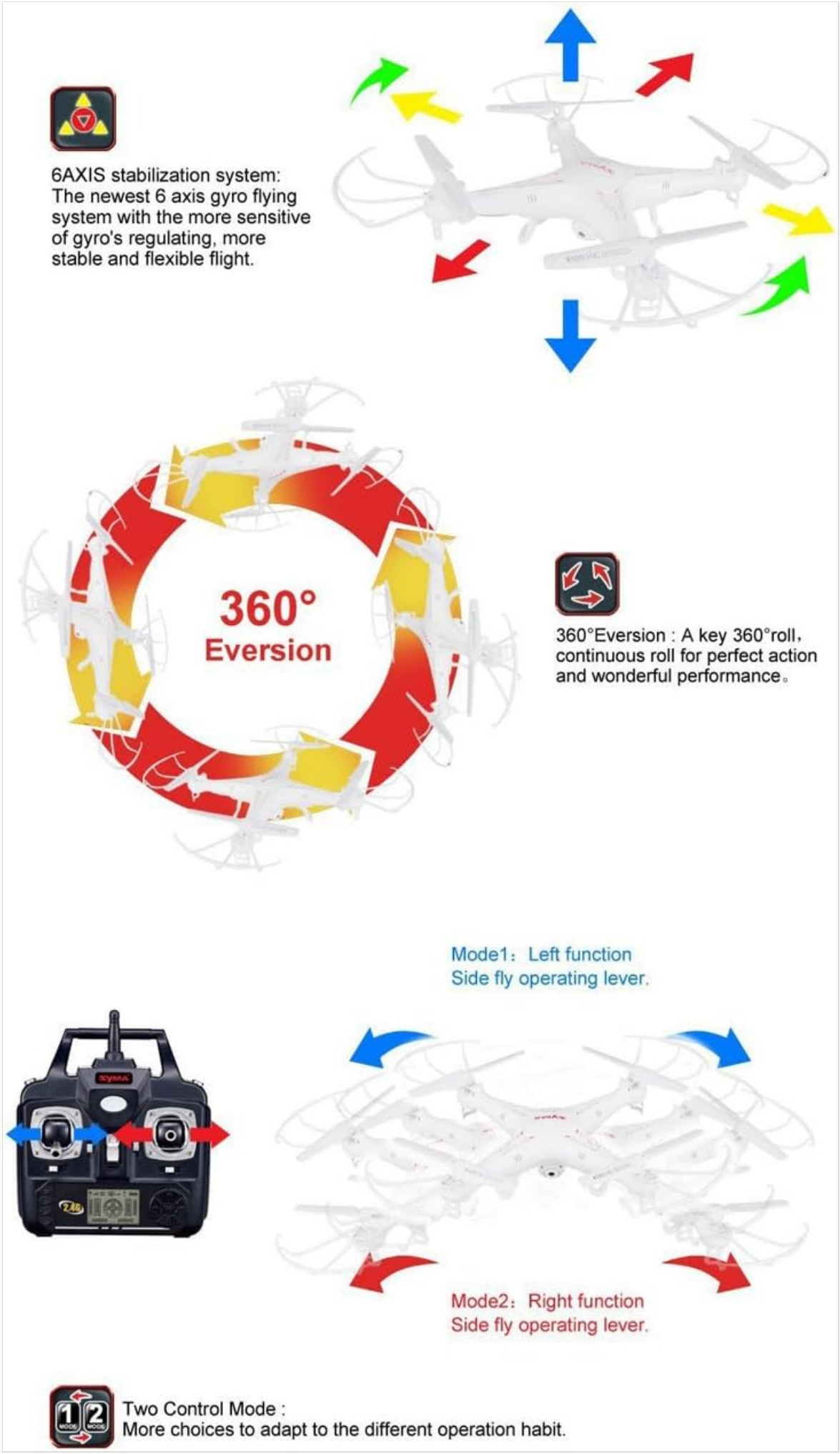
- **Left Joystick (Throttle/Yaw):** Push up/down for altitude control (throttle). Push left/right for rotation (yaw).
- **Right Joystick (Pitch/Roll):** Push up/down for forward/backward movement (pitch). Push left/right for sideward movement (roll).

The diagram above provides a visual guide to the remote control's layout and how its movements translate to quadcopter flight.

4.2 Flight Modes (High/Low Speed)

The Syma X5C features two flight modes: low speed for beginners and high speed for experienced pilots. Press the top-left button on the remote controller to switch between modes. A beep will confirm the change.

4.3 360-Degree Eversion



To perform a 360-degree flip, press the top-right button on the remote controller. Then, push the right joystick in

the desired direction of the flip (forward, backward, left, or right). Ensure sufficient altitude before attempting this maneuver. The diagram above illustrates the 360-degree eversion capability.

4.4 Camera Operation

To take photos, press the camera button on the remote. To start/stop video recording, press the video button. Ensure a microSD card (not included) is inserted into the camera for storage.

4.5 Pre-Flight Check

Before each flight, ensure batteries are charged, propellers are securely attached, and the quadcopter is bound to the remote.

4.6 Take-off and Landing

Gently push the left throttle stick up to take off. To land, slowly pull the left throttle stick down until the quadcopter touches the ground.

5. Maintenance

- Clean the quadcopter regularly with a soft, dry cloth. Avoid using water or solvents.
- Inspect propellers for damage before each flight. Replace any bent or broken blades using the provided screwdriver and spare blades.
- Store the quadcopter and remote in a cool, dry place away from direct sunlight. Remove batteries from the remote for long-term storage.
- Do not overcharge or over-discharge the LiPO battery. Allow it to cool down before recharging.

6. Troubleshooting

Problem	Possible Cause	Solution
Quadcopter does not respond to remote	Not bound Low battery (quadcopter) Low battery (remote)	Re-bind the quadcopter and remote (see Setup section). Charge the quadcopter battery. Replace AA batteries in the remote controller.
Unstable flight / Drifting	Gyro not calibrated Damaged propellers	Place quadcopter on a flat surface, turn on, then push both joysticks to the bottom-right corner for a few seconds until lights flash, then release. Inspect and replace any damaged propellers.
Short flight time	Battery not fully charged Old/worn battery	Ensure battery is fully charged (approx. 100 minutes). Consider replacing the LiPO battery.
Camera not recording/taking photos	No microSD card Full microSD card	Insert a formatted microSD card into the camera. Transfer files from the microSD card and delete them to free up space.

Problem	Possible Cause	Solution
Quadcopter crashes frequently	Beginner pilot Wind interference	Practice in low-speed mode and open areas. Avoid flying in strong winds.

7. Specifications

Feature	Detail
Brand	Syma
Model Name	4 Channel 2.4GHz RC Explorers
Special Feature	6-axis gyro stabilization system, HD camera, 360 degree eversion, wind resistance, colorful flashing lights, blade protector
Age Range (Description)	Adult (14 years and up)
Color	White
Effective Still Resolution	2 MP
Connectivity Technology	Wi-Fi
Included Components	SYMA-X5C (Quadcopter, Remote, USB cable, Blades, Protection frames, Landing skids, Screwdriver, LiPO battery, User Manual)
Skill Level	Beginner
Item Weight	1.6 Pounds
Battery Capacity	500 Milliamp Hours (3.7V LiPO)
Video Capture Format	MP4
Remote Control Technology	RC
Control Type	Remote Control
Maximum Range	50 Meters
Material	Copter
Wireless Communication Technology	Wi-Fi
Battery Cell Composition	Lithium Polymer
Are Batteries Included	Yes (for quadcopter)

Feature	Detail
Remote Control Included?	Yes
Rechargeable Battery Included	No (refers to AA for remote, quadcopter battery is rechargeable)
Product Dimensions	16.5"L x 12.2"W x 3.8"H
Item model number	SYSX5C
Batteries	1 Lithium Metal batteries required. (included)

8. Warranty and Support

For warranty information and further support, please refer to the documentation included with your purchase or visit the official Syma website. You can also explore the Syma brand store on Amazon for additional products and resources: SYMA Store.