

SYMA EX800W-B-B

SYMA X800W Drone User Manual

Model: EX800W-B-B

1. IMPORTANT SAFETY INFORMATION

Before operating the SYMA X800W Drone, please read and understand all safety guidelines. Failure to follow these instructions may result in injury, damage to the drone, or property damage.

- **Age Recommendation:** This drone is recommended for users aged 8 years and up. Adult supervision is advised for younger users.
- **Flight Environment:** Fly in open, clear areas away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only the provided batteries and charging cable. Do not overcharge or short-circuit batteries. Discontinue use if batteries show signs of swelling or damage.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Always turn off the drone before handling or replacing propellers.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Respect Privacy:** Be mindful of privacy when using the camera feature. Do not record individuals without their consent.

2. PACKAGE CONTENTS

Verify that all components are present in your SYMA X800W Drone package:

- SYMA X800W RC Drone x 1
- Transmitter (Remote Control) x 1

- USB Charging Cable x 1
- Extra Propellers x 4
- Propeller Protection Guards x 8
- Screwdriver x 1
- Manual x 1
- Rechargeable Batteries x 2



Image: The SYMA X800W Drone, remote control, two batteries, USB charging cable, and screwdriver are included in the package.

3. PRODUCT OVERVIEW

The SYMA X800W is a 1080P FPV camera RC quadcopter designed for both adults and kids, featuring altitude hold, one-key start, and 3D flips. It offers an extended flight time with two rechargeable batteries and a foldable design for portability.

Key Features:

- **1080P HD Camera & FPV Transmission:** Capture high-definition photos and stream live video to your smartphone via the SYMA FLY APP.
- **Altitude Hold:** Maintains a stable flight height for easier control and clearer aerial photography.
- **One-Key Start/Landing:** Simplifies take-off and landing for beginners.
- **Headless Mode:** Eliminates the need to adjust the drone's position before flight, making it easier to control.
- **360° Flips & Rotations:** Perform exciting aerial stunts with a single button.
- **Trajectory Flight:** Draw a flight path on your smartphone screen, and the drone will follow it autonomously.
- **Gravity Control:** Control the drone's flight by tilting your smartphone.
- **Foldable Design:** Compact and easy to carry for indoor and outdoor use.
- **Dual Batteries:** Provides up to 24 minutes of flight time.



1080P HD CAMERA



1080P
Camera



FPV
Transmission

Image: The drone features a 1080P HD camera for high-quality photos and FPV (First Person View) transmission to a connected smartphone.



Fold: 5.5*2.1*4.7in Open: 7.3*2.1*7in

EX800W-W Drone Weight 64g

Elevate your flying game with our foldable drone!

Image: The drone's foldable design makes it highly portable. Folded dimensions are 5.5"L x 2.1"W x 4.7"H, and open dimensions are 7.3"L x 2.1"W x 7"H. The drone weighs 64g.

4. SETUP

4.1 Charging the Drone Battery

1. Connect the drone battery to the USB charging cable.
2. Plug the USB charging cable into a USB power adapter (e.g., computer USB port, phone charger).

3. The indicator light on the USB cable will show charging status (refer to manual for specific light indications).
4. Charging typically takes approximately 130 minutes. Do not leave charging unattended.

4.2 Installing Drone Batteries

1. Ensure the drone is powered off.
2. Locate the battery compartment on the drone.
3. Insert the fully charged battery into the compartment, ensuring correct polarity.
4. Close the battery compartment securely.

4.3 Remote Control Setup

1. Install 4 x AA batteries (not included) into the remote control, observing correct polarity.
2. Ensure the remote control is powered off before battery installation.

4.4 App Installation and Connection (SYMA FLY APP)

1. Download the 'SYMA FLY' app from your smartphone's app store (iOS App Store or Google Play Store).
2. Power on the drone.
3. Go to your smartphone's Wi-Fi settings and connect to the Wi-Fi network named 'SYMA-X800W-XXXXXX'.
4. Open the SYMA FLY app. The app should automatically connect to the drone, displaying the live FPV feed.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Ensure propeller protection guards are installed (recommended for beginners).
- Find a suitable open area for flight, free from obstacles.
- Connect your smartphone to the drone's Wi-Fi and open the SYMA FLY app.

5.2 Pairing the Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Power on the drone. The drone's indicator lights will flash.
3. Power on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's indicator lights will stop flashing and remain solid, indicating successful pairing.

5.3 Basic Flight Operations

- **One-Key Take-off:** Press the One-Key Take-off button on the remote control. The drone will automatically ascend and hover at a stable altitude.
- **Throttle (Left Joystick):** Push up to ascend, pull down to descend.
- **Directional Control (Right Joystick):** Push forward to fly forward, pull back to fly backward. Push left to fly left,

push right to fly right.

- **One-Key Landing:** Press the One-Key Landing button. The drone will automatically descend and land gently.
- **Altitude Hold:** The drone will automatically maintain its current altitude once the throttle joystick is released to the middle position.



User Friendly

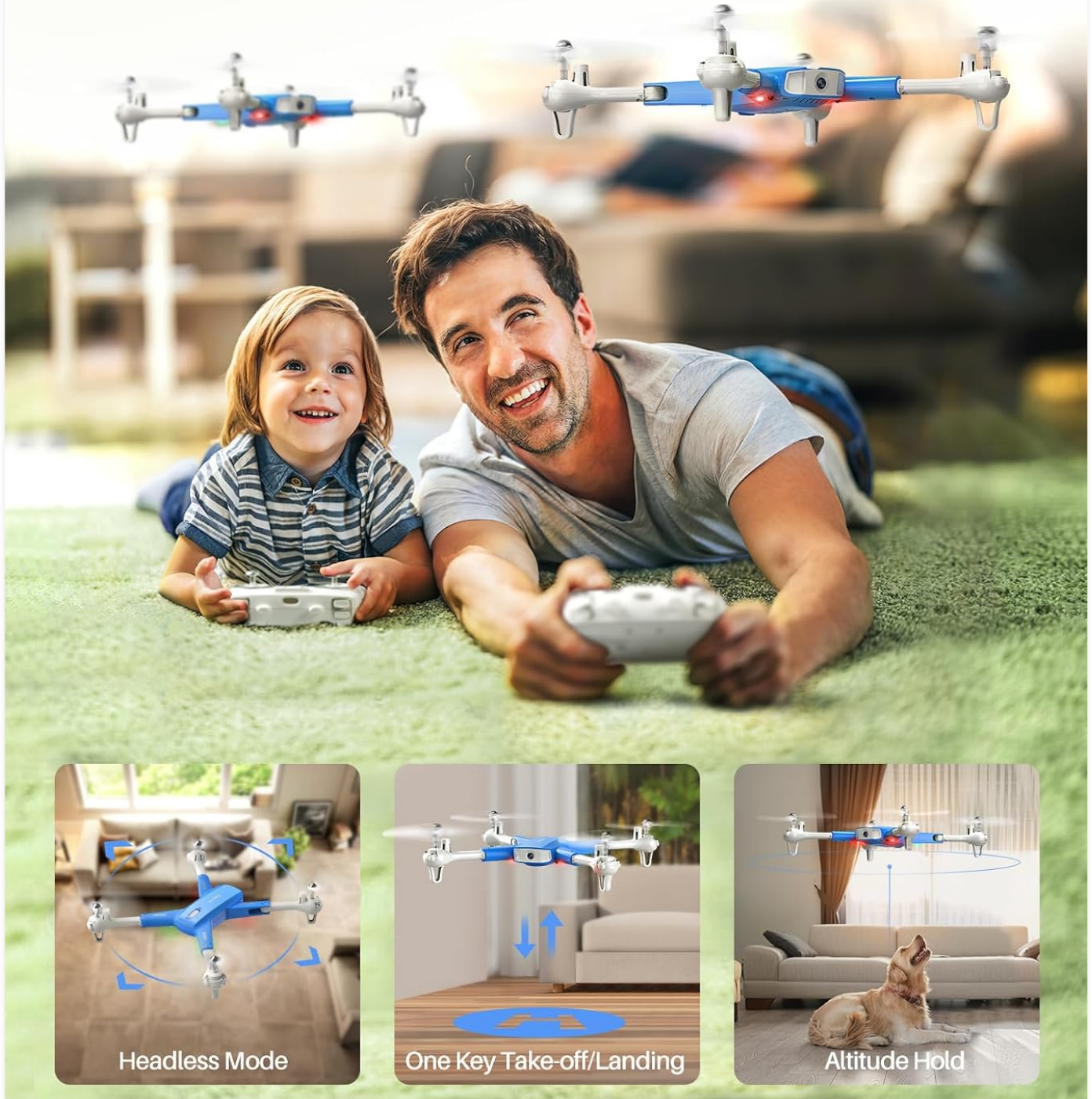


Image: The drone supports user-friendly features like Headless Mode, One Key Take-off/Landing, and Altitude Hold for stable flight.

5.4 Advanced Flight Features

- **Headless Mode:** Activate Headless Mode (refer to manual for button location). In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction.
- **360° Flips:** Press the 3D Flip button, then move the right joystick in the desired flip direction (forward, backward, left, or right). The drone will perform a 360-degree flip.

- **Circle Fly:** Activate Circle Fly mode (refer to app interface). The drone will fly in a circular path around a central point.
- **Trajectory Flight:** In the SYMA FLY app, tap the 'Trajectory Flight' icon. Draw a desired flight path on the screen, and the drone will follow the path.
- **Gravity Control:** In the SYMA FLY app, activate 'Gravity Control'. Tilt your smartphone to control the drone's movement.

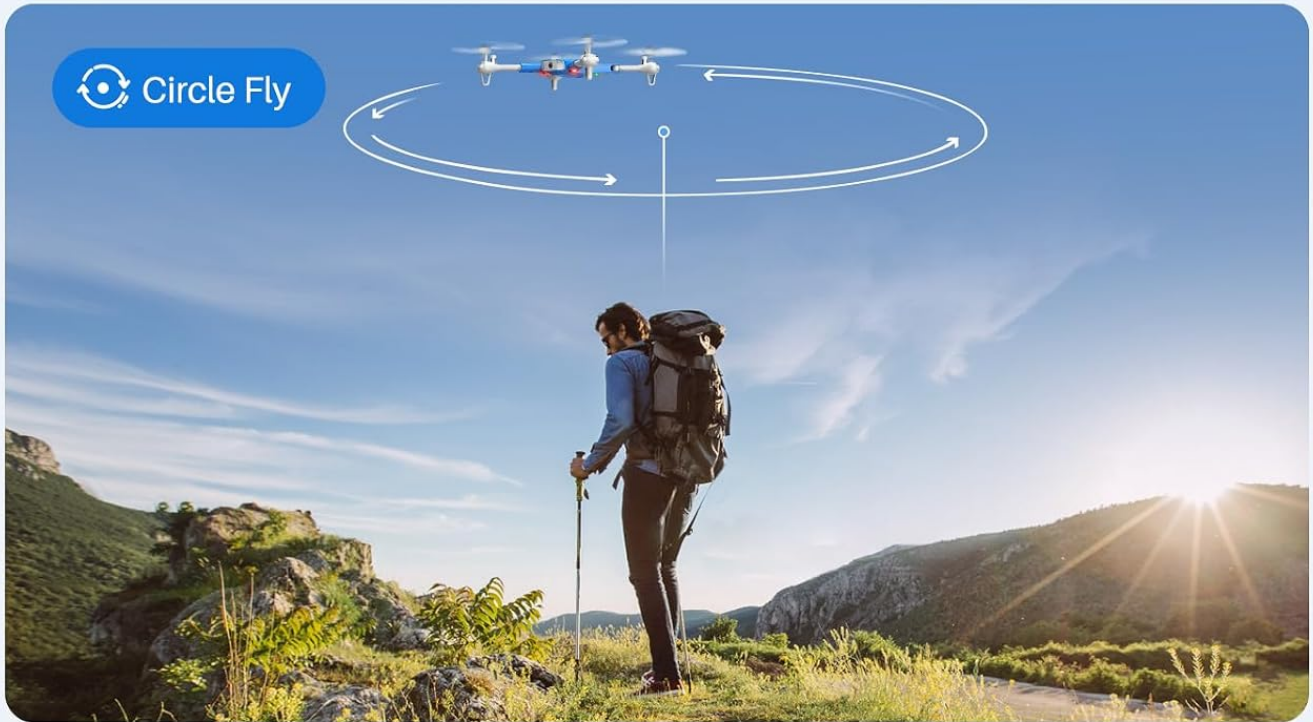


Image: The drone is capable of performing advanced maneuvers such as Circle Fly and 360-degree Flips.



Image: Trajectory flight allows the drone to follow a predetermined path drawn on the smartphone screen.

6. CAMERA OPERATION

The SYMA X800W Drone is equipped with a 1080P HD camera for capturing photos and videos.

- **Taking Photos:** While flying, press the photo button on the remote control or tap the camera icon in the SYMA FLY app. Photos will be saved to your smartphone's gallery.
- **Recording Videos:** Press the video button on the remote control or tap the video icon in the SYMA FLY app to start/stop recording. Videos will be saved to your smartphone's gallery.
- **FPV Live Feed:** The SYMA FLY app provides a real-time FPV view from the drone's camera, allowing for precise framing of shots.

7. MAINTENANCE

7.1 Propeller Replacement

If a propeller is damaged, replace it immediately to ensure stable flight.

1. Ensure the drone is powered off.
2. Use the provided screwdriver to remove the screw holding the damaged propeller.
3. Gently remove the damaged propeller.
4. Install a new propeller, ensuring it matches the correct rotation direction (indicated by markings on the propeller and drone arm).
5. Secure the new propeller with the screw.

7.2 Cleaning

- Use a soft, dry cloth to clean the drone's body and camera lens.
- Avoid using harsh chemicals or solvents.
- Regularly check for debris around the motors and propellers and remove carefully.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired; low battery (drone or remote); interference.	Re-pair drone and remote. Charge batteries. Fly in a less congested area.
Drone drifts during flight.	Not calibrated; uneven surface at take-off; wind.	Perform gyroscope calibration (refer to manual for steps). Take off from a flat surface. Avoid flying in windy conditions.

Problem	Possible Cause	Solution
FPV feed is choppy or disconnected.	Weak Wi-Fi signal; too far from drone; app issue.	Ensure strong Wi-Fi connection. Fly closer to the drone. Restart app and drone.
Drone has short flight time.	Battery not fully charged; old/damaged battery.	Ensure battery is fully charged. Replace battery if it's old or damaged.
Propellers do not spin.	Obstruction; motor issue; battery issue.	Check for obstructions. Ensure battery is connected and charged. Contact support if motors are faulty.

9. SPECIFICATIONS

Feature	Detail
Brand	SYMA
Model Name	RM (EX800W-B-B)
Color	Blue
Video Capture Resolution	1080p (1920x1080 Pixels)
Connectivity Technology	Wi-Fi
Item Weight	64 Grams (2.26 ounces)
Battery Capacity	400 Milliamp Hours (Lithium Ion)
Product Dimensions	6.69"L x 4.72"W x 5.31"H
Manufacturer Recommended Age	8 years and up

10. WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries regarding your SYMA X800W Drone, please contact SYMA customer service.

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

Please have your model number (EX800W-B-B) and purchase information ready when contacting support.

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