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› SYMA Mini Drone X440 User Manual

SYMA X440

SYMA Mini Drone X440 User Manual

Model: X440

Brand: SYMA

INTRODUCTION

Welcome to the world of aerial fun with your new SYMA Mini Drone X440. This compact and versatile quadcopter is designed for users aged 8-12, offering an easy-to-fly experience with exciting features like detachable arms, altitude hold, headless mode, and vibrant 7-color LED lights for captivating night flights. This manual provides essential information for safe operation, assembly, and maintenance of your drone.



Image: The SYMA Mini Drone X440, showcasing its transparent blue body, propellers, and the included remote control. Several detachable 7-color light modules are also visible.

Lightweight and Portable



Bring To
School



Bring Along
on a Trip



Easy Home
Storage

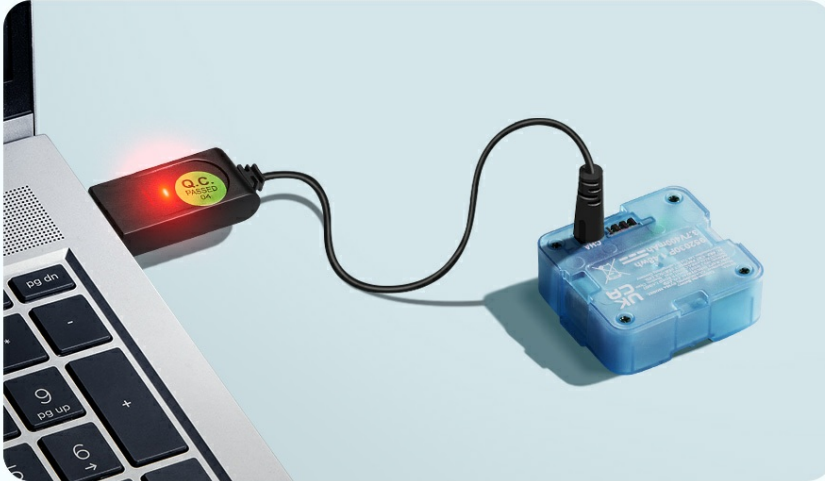
Image: The SYMA Mini Drone X440 in its disassembled, portable state, with its main body and four propeller arms shown next to a small bag, illustrating its compact and lightweight design for easy transport.

SAFETY PRECAUTIONS

To ensure safe operation and prevent damage, please observe the following precautions:

- **Age Recommendation:** This drone is recommended for users aged 8-17 years. Adult supervision is advised for younger users.

- **Indoor Use:** Primarily designed for indoor use. When flying outdoors, ensure calm weather conditions with no wind.
- **Clear Area:** Always operate the drone in an open area free from obstacles, people, and pets.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers.
- **Battery Safety:** Use only the provided batteries and charger. Do not overcharge or short-circuit batteries. Discontinue use if batteries show signs of damage or swelling.
- **Water Exposure:** Avoid contact with water or moisture to prevent damage to electronic components.
- **Low Battery Alert:** Pay attention to the low battery alert. The drone will auto-land when the battery is critically low.



Convenient USB Charging

By plugging it into a computer, laptop USB charging port or powerbank. The light is on while charging and it goes off when fully charged.

Image: Visual representation of the drone's safety features, including propeller protection, safety module battery, automatic shutdown when stuck, and low battery alerts, ensuring a safe flying experience.

PACKAGE CONTENTS

Verify that all items are present in your package:

- SYMA Mini Drone X440 (Main Body)
- Remote Control
- Propeller Arms (4 pieces)
- Spare Propellers (Set of 4)
- Rechargeable Lithium Ion Batteries (2 included)
- USB Charging Cable
- Screwdriver
- User Manual (this document)



Image: A comprehensive view of all items included in the SYMA Mini Drone X440 package, neatly arranged on a white background.

SETUP

1. Drone Assembly

The SYMA X440 features a modular design for easy assembly. Match the labels on the propeller arms (A1, A2, B1, B2) with the corresponding slots on the drone's fuselage.

1. Prepare all accessories from the package.
2. Install the drone battery into the main body.
3. Install the drone arms by aligning the corresponding symbols (A1, A2, B1, B2) and pushing them firmly until they click into place.
4. Assembly is complete once all four arms are securely attached.

Drone Assembled In Seconds



Assemble Toys × Drone

Must Correspond To

A1, A2, B1, B2 Arm



A1, A2, B1, B2 On The Aircraft

The A1, A2, B1, B2 on the
arm and fuselage must
correspond one by one.



Image: A young user engaged in the assembly of the SYMA Mini Drone X440, demonstrating the interactive and educational aspect of its modular design.



Kids Drone x Building Block Toy

Unlocking Children's Creativity and Maximizing Hands-On Learning



Little engineer is born

By assembling, observe the parts for the aircraft lifting principle.



Learn to solve problems

Complete the "assembly challenge" with shape matching and stable structure.



Improve hand-eye coordination

The assembly process honed finger dexterity.



Turn into portable toys in seconds

It takes only a few seconds to disassemble, making it easy to carry.

Image: A four-panel illustration detailing the product installation instructions, from preparing accessories to completing the drone assembly.

2. Battery Charging

The drone comes with two rechargeable Lithium Ion batteries. Use the provided USB charging cable.

- Connect the USB charging cable to a computer, laptop USB charging port, or power bank.
- Connect the other end of the cable to the drone battery.
- The indicator light on the USB connector will illuminate RED while charging.
- The light will turn off when the battery is fully charged. Charging typically takes about 30 minutes per battery.

4 Key Safety Protection for Mom's Peace of Mind



**Propeller
Protection Frame**



**Safety
Module Battery**



**Stuck
Auto Shutdown**



**Low
Battery Alert**



Image: Illustration of the convenient USB charging process for the drone battery, showing connection to a laptop.

3. Remote Control Setup

The remote control requires 4 AAA batteries (not included). Open the battery compartment on the back of the remote and insert the batteries, observing correct polarity.

4. Pairing the Drone and Remote

1. Ensure the drone battery is fully charged and installed.
2. Place the drone on a flat, level surface.
3. Turn on the drone. The LED lights on the drone will flash.

4. Turn on the remote control.
5. Push the left joystick (throttle) all the way up, then all the way down.
6. The drone's LED lights will stop flashing and remain solid, indicating successful pairing.

OPERATING INSTRUCTIONS

Basic Flight Controls

- **One-Key Start/Landing:** Press the dedicated button on the remote for easy take-off and landing. The drone will automatically hover at a stable altitude after take-off.
- **Altitude Hold:** The upgraded gyro system ensures the drone maintains a stable height, making it easier to control and perform maneuvers.
- **Headless Mode:** Activate Headless Mode to simplify flight orientation. In this mode, the drone's forward direction is always relative to the pilot, regardless of the drone's actual orientation.
- **Speed Adjustment:** The remote control allows you to adjust the drone's speed to match your skill level, from beginner to more experienced pilot.

Easy To Control

Designed For Kids/Beginners



One-Key
Start/Landing



Altitude
Hold



Speed
Adjustment



Image: Demonstrates the ease of control for the SYMA Mini Drone, highlighting features like one-key start/landing, altitude hold, and speed adjustment, designed for beginners.

Product Installation Instructions

Must Correspond To

A1, A2, B1, B2 Arm



A1, A2, B1, B2 On The Aircraft



1. Prepare all accessories



2. Install the drone battery



3. Install the drone arms with the corresponding symbol



4. Assembly complete

Image: Illustrates the three key design principles for easy control: One-Key Start/Landing, Altitude Hold, and Speed Adjustment, making the drone accessible for beginners and children.

Performing Stunts

The SYMA X440 can perform various exciting aerial stunts with a single button press:

- **360° Flips:** Press the stunt button and move the right joystick in the desired direction to perform a full 360-degree flip.
- **Circle Fly:** Engage this mode for the drone to automatically fly in a circular pattern.
- **Rotary Ascent:** Perform a spiraling ascent for a dynamic flight display.

Aerobatic Drone For Beginners

360° Fancy Flip



Circle Fly



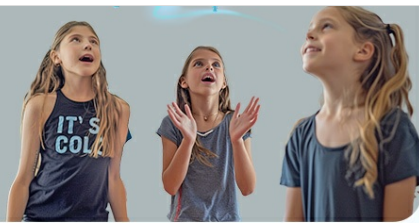
Rotary Ascent



Image: Visual guide demonstrating the drone's acrobatic capabilities, including 360° Fancy Flip, Circle Fly, and Rotary Ascent.

DESIGN PATH

Fostering teamwork



STUNTS

Enhancing kids hand-eye coordination



TOYS ON THE ROAD

Reduce Carrying Pressure



7-COLOR FLASHLIGHT

Exciting night sailing adventure

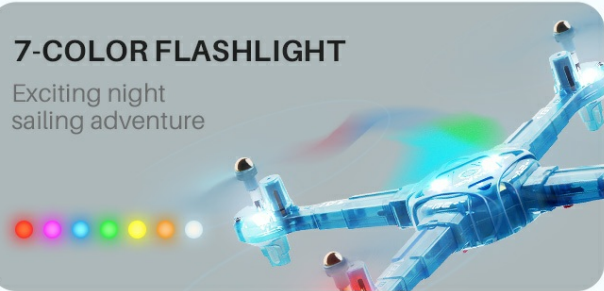


Image: Detailed illustrations of the drone executing 360° Flips, Circle Fly, and Rotating Ascent, highlighting these as key stunts that challenge user reflexes.

7-Color LED Lights

The drone features a transparent frame and adjustable 7-color LED lights, perfect for creating a dazzling display during night flights.

7-Color Flashlight

Board The Thrilling
Night Journey



Image: The SYMA Mini Drone X440 showcasing its 7-Color Flashlight feature, illuminating a dark environment and creating a thrilling night flight experience.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using harsh chemicals or solvents.
- **Propeller Inspection:** Regularly check propellers for any damage (bends, cracks, chips). Replace damaged propellers immediately using the spare set provided.

- **Battery Storage:** When not in use for extended periods, store batteries at approximately 50% charge in a cool, dry place. Do not store fully charged or fully depleted batteries.
- **Disassembly for Storage:** The drone's detachable arms allow for compact storage. Disassemble the arms when storing the drone to prevent damage.

TROUBLESHOOTING

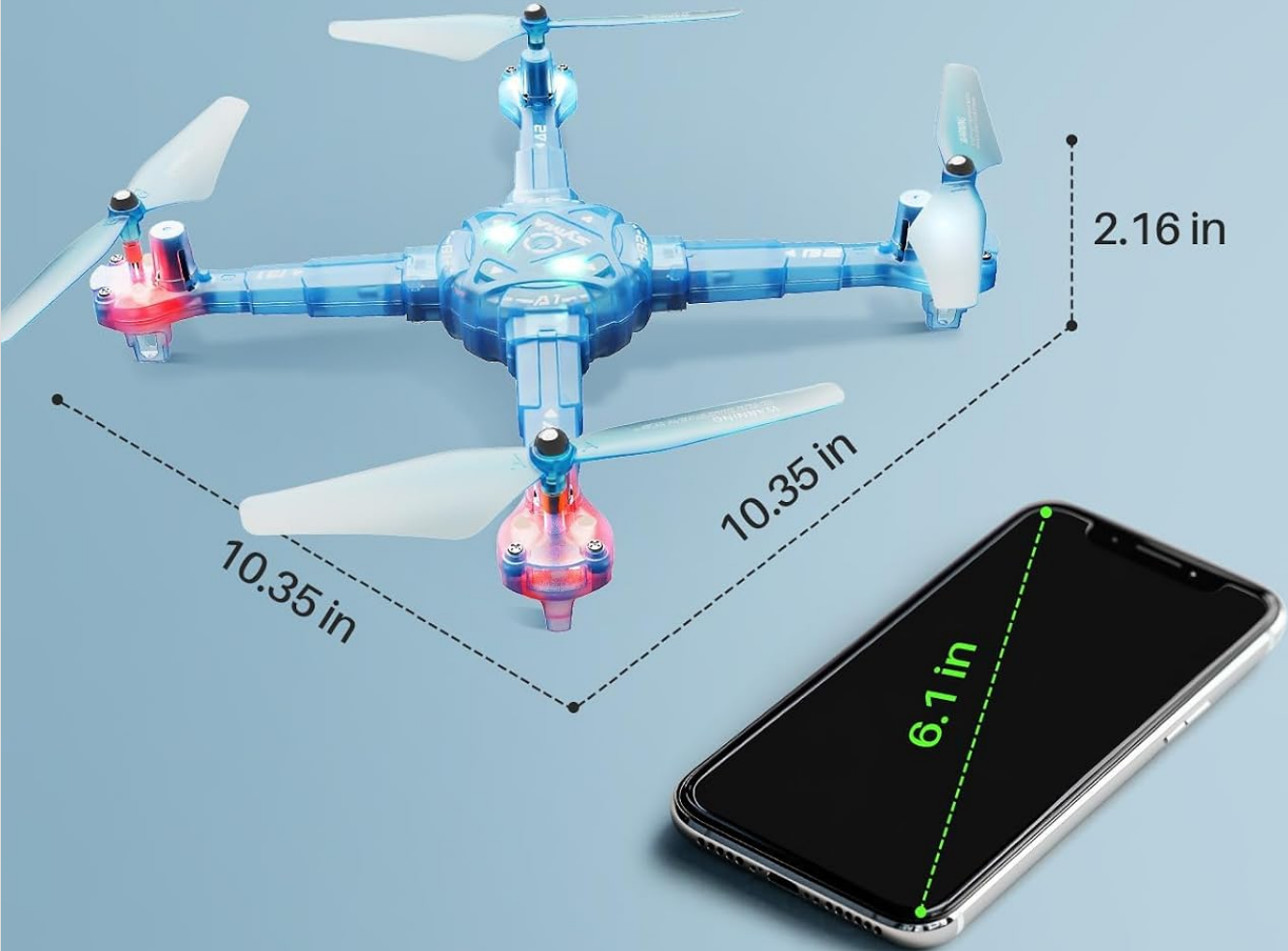
Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; Remote batteries low/dead; Drone battery low/dead.	Re-pair drone and remote; Replace remote batteries; Charge drone battery.
Drone flies erratically or drifts.	Not calibrated; Damaged propeller; Uneven surface during take-off.	Calibrate the drone (refer to remote control instructions); Replace damaged propellers; Ensure drone is on a flat surface for take-off.
Drone does not take off.	Battery not fully charged; Propellers blocked; Not paired.	Charge battery fully; Clear any obstructions from propellers; Ensure drone is paired.
LED lights not working.	Drone battery low; Light module not properly connected.	Charge drone battery; Ensure light modules are securely attached.

SPECIFICATIONS

Feature	Detail
Model Name	X440
Brand	SYMA
Age Range (Recommended)	8 - 17 Years
Color	Blue (as per product variant)
Connectivity Technology	2.4 GHz
Control Type	Remote Control
Material	Plastic
Item Weight	76.8 Grams (2.71 ounces)
Battery Capacity	400 Milliamp Hours

Feature	Detail
Batteries Included	Yes (2 Lithium Ion)
Product Dimensions (L x W x H)	10.83" x 10.83" x 2.17"
UPC	850049014694

Drone Dimensions: Compact & Portable Design



* Comparison of visual effect
with a 6.1-inch smartphone.

Image: A visual representation of the drone's compact dimensions, comparing its size to a standard 6.1-inch smartphone.

WARRANTY AND SUPPORT

SYMA is committed to providing high-quality products and customer satisfaction. For any inquiries, technical support, or warranty claims, please contact SYMA customer service:

- **Phone (USA):** +1 (718) 312-0558
- **Email (USA):** usa@symatoys.com
- SYMA offers 24/7 customer support.

X660

 Beginner Drone

 Switchable Light

 Rotary Ascent

Image: SYMA customer service team ready to assist with product inquiries and 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

