

## MAIN FEATURES

•Utilizes the 4-axis structure, enabling the drone to be even more flexible and speedy. It suitable for both spacious indoor & outdoor

ensure the accuracy of inflight position.

- Be capable of 360°stunt flip function.
- Headless function makes it easier for directional control.
- the fun of aerial photography.

•Built-in 6-axis gyro stabilizer, barometer and optical flow sensor to

- Auto take-off and landing function make it easier and safer to control. •HD adjustable camera with real-time transmission function for getting
- •Smartphone control is available.

2. Avoid exposing this product to heat.

3.Do not immerse this product in water, otherwise, the electronic parts will be -1-

1.Please store the small sized drone accessories in the place that is out of the

2. This drone is very powerful. For all first-time flights, the left joystick must be slowly pushed up in order to prevent the drone from ascending too fast to

3. When you finish the fly, please firstly turn off the power of the remote control,

5. Take extra pre-caution to ensure the drone is with a minimum height of 15 feet from the pilot, crowd, or animals in order to avoid any injury during the

6. This drone is recommended for user ages 12+. It should always under the

7. Non-rechargeable batteries should not be recharged; Batteries should be

inserted with a correct polarity; Different types of batteries, new or used

8. When the drone is not in use, please remove the batteries from the remote

10. To maximize the battery life, discharge the battery level to 40-50% (upon

11.Please keep a safe distance from the spinning propellers to avoid injury.

12. To ensure the electromagnetic environment requirement of the aviation radio (station), it is forbidden to fly the drone in a radius of about 5000m

fully charged, use for flying for half of the total estimated flying time) if the

against the circle centre. All users should also follow the regulation or rules

13. Only use the recommended transformer for the aircraft, and it is not part of

16. Pilot should be taking the responsible for the safe operation: keep the safe

distance from the crowds, property, other aircrafts users, and shall never fly

14. Never look steadily at the laser beam due to the laser radiation.

18. The packing has to be kept since it contains important information.

15. Attention: Drone assembly under adult supervision.

the drone on top of the crowds. (> 12 persons)

1.Use dry and soft cloth to clean this product.

Battery installation for remote control:

Repair and Maintenance

17. Open the battery cover of the toy with screwdriver.

the aircraft. Therefore, disconnect the transformer from the aircraft before

cleaning. Check the cord, plug, enclosure and other parts of the transformer

regularly. If any damages are found, please stop using it immediately unless

flight operation. A minimum separation distance of 20cm must be maintained

avoid unnecessary collision and possible damage and injury.

Keep the batteries out of high temperature / heat areas.

between the pilot and the device under any conditions.

visual of the pilot (or instructor) to ensure safety fly.

9. The supply terminals should not be short-circuited.

drone will not be used for 10 days or more.

set by the government within the territory.

then turn off the power of the drone.

batteries should not be mixing.

Battery Installation Method: Open up the battery cover at the back of the

remote control. Correctly place 4 x AA alkaline batteries in the battery box

in strict adherence to the polarity instructions (batteries are not included).

2. Please do not use new and old batteries together.

4. Do not use rechargeable batteries

1. During the battery installation, it must be ensured that the

3. Please do not use different types of batteries together.

polarities of the batteries are matched with that of the battery

box. No battery shall be installed with the opposite polarity.

4. Transformer used with the aircraft should be examined regularly, such as the cord, plug, enclosures and other parts. In case of any damages is found, please stop using it unless it is repaired or replaced.

## Package Description

User Manual

Screwdriver

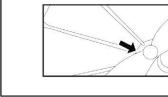
4 Blades

The following items can be found Inside this product package:

 Remote Control USB Charging Cable

Installation of Protective Gear

Mobile Phone Retaining Clip



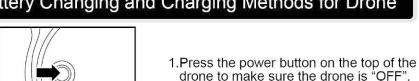
4 Protective Gears

Insert the protective gear into the drone

# of the remote control. Battery Changing and Charging Methods for Drone

Installation of Mobile Phone Retaining Clip

Mobile phone retaining clip's attachment method:



2.Insert the phone clip

connector at the top

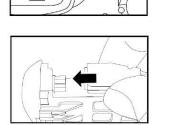
holder into the

of the battery and pull out the battery. 

2. Press the fixed components at the bottom

3. Press the handles to

adjust the jaws.

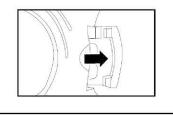


1.Pull up the phone clip

cover from behind the

remote control.

3. Connect the battery power cord to the USB Charging Cable, then connect the USB interface to the computer. (The indicator light of the drone will turn on while charging, and turn off when charging completed. It takes about 130 minutes to completely



4. After charging completed, replace the battery into the drone.

charge the battery.)

## The charging time is about 130 minutes, hover flight time is approximately 7 minutes. Precautions as follows during charging of battery:

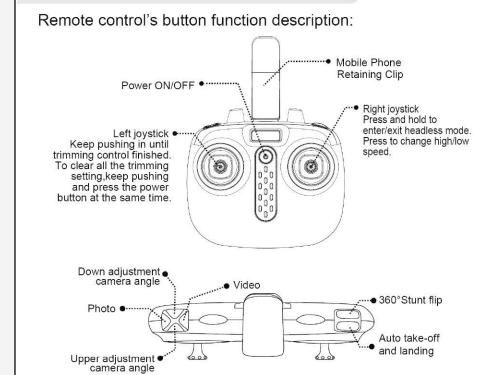
- Avoid placing the active batteries in places with direct exposure, sunlight and high temperatures. For example, naked light or electrical equipment installations; otherwise it may cause damages or explosions. - Avoid immersing the batteries in the water. The batteries shall be stored in a cool and dry place. - Avoid dismantling the batteries.

- During the charging of battery, avoid leaving the charging place.

- Rechargeable batteries should be removed from the toy before being - Rechargeable batteries are only to be charged under adult supervision. - Exhausted batteries are to be removed from the toy.

- Caution: Risk of explosion if battery replaced by an incorrect type, dispose of used batteries according to the instructions.

# **Understanding Your Remote Control**



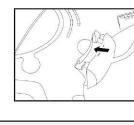
Flight Preparation and Turning the Drone ON and OFF Flight preparation

Safety Guide

control.

it is repaired.

Step1:Press the power button of the remote control.



Step 2:Install the drone battery in place.

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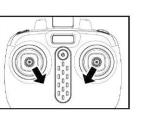
Step 3:Press and hold the power button on the top of the drone to make sure the drone is turned "ON". Step 4:Push the left joystick (throttle) up to the highest point and then pull down to the lowest point. When the indicator lights in the drone change from quick flashing to the continuous lighting, it means that the drone goes into the flight standby mode. 2. Turning on the drone Method 1:Push the left joystick (throttle) 0 to the highest point and then 0 back to the center, the blades of the drone start rotating slowly. Method 2:Push the left and right joysticks to the bottom inner corners for 1 second, the blades of the drone start rotating slowly. Method 3:When the drone is stationary, press the button B, the drone automatically takes off and 0 hovers at a certain height.

3. Turning off the drone

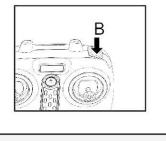
3 seconds, the drone can then be turned off.

Method 1:Push the left joystick (throttle) to

the lowest level and hold for 2 to



Method 2:Push the left and right joysticks to the bottom inner corners for 1 second, and the drone can be turned off.



Method 3: When the drone is in flight, press the button B, the drone will

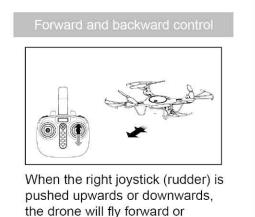


correspondingly

9. Headless Function:

①Defining forward direction:

pushed upwards or downwards, the drone will ascend or descend



backward correspondingly. -7-

Press on the power button of the remote

-4-

When the left joystick (throttle) is pushed towards the left or right, the drone will turn left or right correspondingly.

the drone will fly sideways on the left or right correspondingly.

When the right joystick (rudder) is

pushed towards the left or right,

Trimming operation

If the drone automatically flies forward/backward while hovering, press in the left joystick and at the CECO 45 same time push the right joystick backward/forward

slightly to fine tune the direction. Don't release the left joystick until the drone is flying in a stable state

If the drone automatically flies towards the left/right

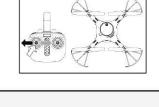
side while hovering, press in the left joystick and at

slightly to fine tune the direction. Don't release the

left joystick until the drone is flying in a stable state

the same time push the right joystick right/left

If the drone automatically rotates and flies towards the left/right side while hovering, press in the left joystick and at the same time move it to the

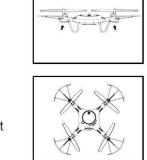


right/left slightly to fine tune the direction. Don't release the left joystick until the drone is flying in a stable state.

## **Product Features** 1.Low-Voltage Protection:

2. Over-Current Protection:

When the four indicator lights at the bottom of drone start flashing, it means that the drone's battery power is low. At this time, please control the drone return.



Battery cover

4 x AA Batteries

When the drone encounters direct impact from a foreign object, or is obstructed, or the blades are not rotating, the drone will go into the over-current protection mode. 3.Level Calibration Function:

Place the drone on a level surface and at the

same time, push both left and right joysticks to

the lower right corners for 2 to 3 seconds; the

speed by pressing the right joystick for a short

time. It is switched into high speed mode when

two "beep" sounds come from the remote control.

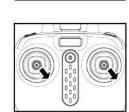
pressing the right joystick for a short time under

fast speed mode and then one "beep" sound

would come from the remote control, then it is

switched back into low speed mode.

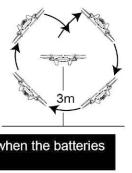
are fully charged.



indicator lights on the drone will blink rapidly, and they will return to solid status after about 2 to 3 seconds. The level calibration is successful. 4.High/Low Speed Function: Low speed by default when first powered-on. Possible to switch the function mode of high/low



5.360°Stunt Flip Function: When you are familiar with the basic actions, you can proceed to explore even more exciting stunt actions. Fly the drone to a height of above 3 m above the ground, press the upper right corner button (Stunt Flip Button) on the remote control and simultaneously push the right joystick to the farthest position of Front/Back/Left/Right, the drone will now execute the Front/Back/Left/Right stunt flip function.



Note: The drone will have the best stunt flip action when the batteries

# 6.Photo/ Video Shooting Function:

①Photo shooting function: Press the Photo button, the drone indicator and the red indicator light on the camera will flash once when the photo has been taken. ②Video shooting function: Press the Video button, the drone indicator and

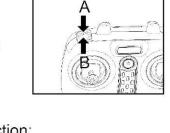
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the indicator light on the camera will flash twice, and then turn long bright, it indicates the video is recording, press the Video button again, the indicator light on the drone is long bright, indicating the recording is complete.

7. Adjustable function of camera

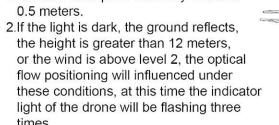
0.5 meters.

As shown on the right, press the button A or B to adjust the camera angle in corresponding upward or downward.



8. Optical Flow Hover & Auto Hover Function: ①Optical flow hover function:

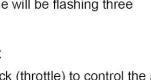
When the drone is turned on, the drone will automatically start the optical flow positioning function when hovering in the air, and the drone will remain stationary at a certain point. Note: 1.Achieve fixed-point accuracy of about



these conditions, at this time the indicator light of the drone will be flashing three 2) Auto hover function:

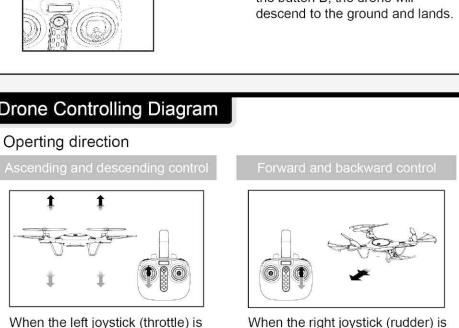
Accessories /Parts List (Optional)

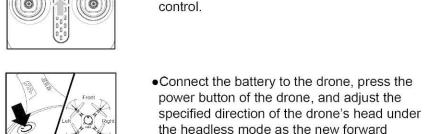
Plating Object



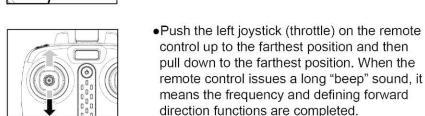
After using the left joystick (throttle) to control the ascending/descending flight of the drone, release the left joystick (throttle) and the drone will hover at that height when the joystick is released.

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direction.



②Toggling between headless function and normal function:

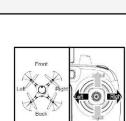
•After the drone is matched with the corresponding frequency, the drone would be in normal pattern by default. At this time the indicator light on the drone would be in a state of on for a long time. After pressing in on the right joystick of the remote control



**Product Descriptions** 

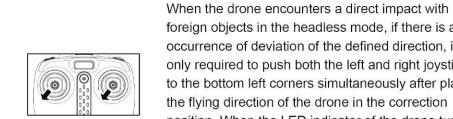
for 2 seconds, the remote control would make a sound of "beep, beep, beep" to show that it has entered into a state of headless mode. Press in the right joystick for 2 seconds then a long sound of "beep" would be heard to show an exit status. (When under the state of headless mode. four indicator lights on the drone flash slowly once every four seconds).

**Battery Fastener** 



•Under the headless mode, the operator does not need to differentiate the head position of the drone, and only needs to control the drone's direction front/ back/left/right by using the right joystick direction on the remote control.

# (3) Calibration for the definition of the front:



foreign objects in the headless mode, if there is an occurrence of deviation of the defined direction, it is only required to push both the left and right joysticks to the bottom left corners simultaneously after placing the flying direction of the drone in the correction position. When the LED indicator of the drone turn to solid after slowly flashing for 3 seconds, it indicates the calibration is complete.

# 10. Wireless Real-Time Transmission Function

### ①Downloading the installation software For Android phones, download and install the SYMA FLY APP by visiting

Drone's Height: 7cm

Battery: 3.7V 500mAh lithium battery

the www.symatoys.com or by scanning the QR code. For IOS Apple phones, download and install the SYMA FLY APP by visiting the App Store or by scanning the QR code.

Tips: QR codes are provided on the packaging box and at the bottom of the user manual. Please visit website www.symatoys.com or the App Store/Google Play to obtain the newest SYAM FLY App.

②For more information on the connection, see the APP operating instructions.

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Main Specifications Drone's Length: 32cm Drone's Width: 32cm

Motor's Model: Ø 8x16

Rectification Procedures Problem Reason Solution The drone has entered into The drone low-voltage protection. Charge up the drone. has no . When the power of the remote . Change the batteries of the control is weak, the power light remote control. response indicator will blink. The power of the remote control The flight Change the batteries. is weak. response of . Change to a place where there There is an interference with is no interference with the same the drone is the same frequency as that of not sensitive frequency. the remote control. The drone is Re-adjust the calibration until flying towards the drone is level to the ground. The drone is not calibrated its side in one For further details, see No.3 on level to the ground. direction during Page 9 for details(Level calibration function). hovering

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by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the

Warning: Changes or modifications to this unit not expressly approved

limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference

to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: •Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. •Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

"This device complies with FCC radiation exposure limits set forth for general population (uncontrolled exposure). This device must not be collocated or operating in conjunction with any other antenna or transmitter."

"Hereby, GuangDong Syma model drone Industrial co., Itd, declares that this drone is in compliance with the essential requirements and

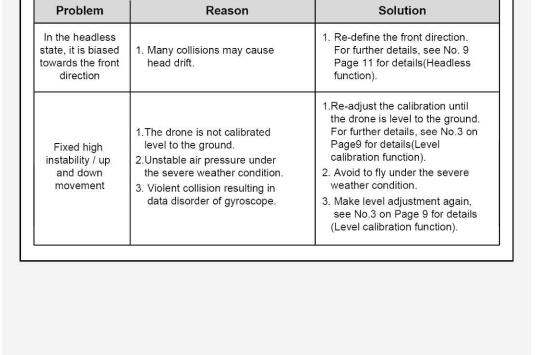
other relevant provisions of Directive 2014/53/EU."

Consult the dealer or an experienced radio/TV technician for help.

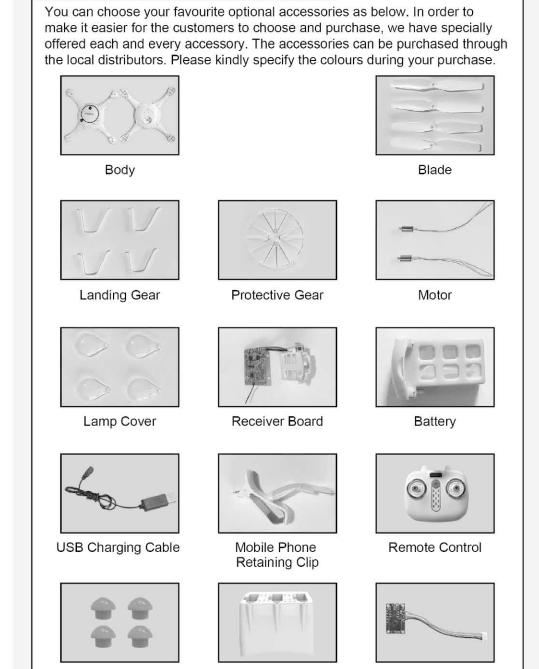
A copy of the full DoC is attached.

Decoration of Conformity Inserts:

-13-



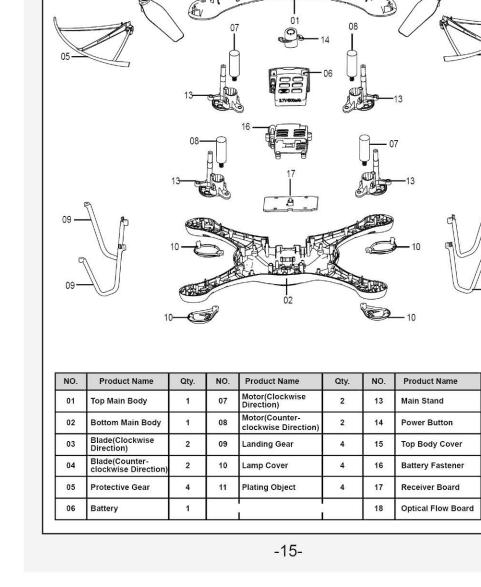
-17-



Recharge Stand

-14-

Optical Flow Board



QR code for apple iOS system

Manufacturer Guangdong Syma Model drone Industrial Co., Ltd. The Crossing of No.2 West Xingye Road and North Xingye Road, Laimei. Industrial Park Chenghai District Shantou City Guangdong China. Contact person: SYMA Telephone: +86 0754 86381898 The company has the right of final interpretation of this instruction manual statement. Sell area: Europe

QR code for android

system