

# **X** *GYROSCOPE 2.4G* **5SC**



## **4CH 2.4G REMOTE CONTROL QUADCOPTER**

### **Specifications:**

Item No.: X5SC

Function: up/down, forward/backward, turn left / Right, With GYRO /Flash lights  
360-degree 3D special function.

Battery: 3.7V 500mAh Li-poly

Charging time: About 100 minutes - USB Charging

Flying time: More than 8 minutes

Controlling distance: Inside = 30 meters+ / Outdoors = 45 meters+

Product Size: 315 x 315 x 105mm

Frequency: 2.4Ghz

Channels: 4

**Required: 4 x AA Batteries for transmitter**

Ver 2015-1

# **USER GUIDE AND MANUAL**

# **SYMA**

Please ensure you read and fully understand this manual before operating.

- 01.Sideward Fine-tuning :Power-on start in the centering.(Be turn Left/Right Fine -tuning in Mode2)
- 02.Forward/Backward fine-tuning:Power-on start in the middle.
- 03.Turn Left/Right fine-tuning:Power-on start in centering.(Be Sideward Fly Fine -tuning in Mode2)
- 04.Forward shows:Power-on start in the lowest level.(At the center square)
- 05.Backward shows:Power-on start in the lowest level.(At the center square)
- 06.Right sideward fly shows:Power-on start in the lowest level.(At the center square)
- 07.Left sideward fly shows:Power-on start in the lowest level.(At the center square)
- 08.Turn left: Pull left function lever to left, it will be higher, than quad copter turn left faster.
- 09.Turn right: Pull left function lever to right, it will be higher, than quad copter turn right faster.
- 10.High/Low speed: Press button “A” for seconds to switch between high speed mode or low speed mode. “H” means high speed and “L” means low speed.
- 11.Power shows:According to the battery's energy for the controller.
- 12.Default mode when power-on.When change to MODE 2, please keep pressing button "B" to right than return on the power of transmitter, the MODE on LCD displayer will be changed. Same steps to change to MODE 1 again.
- 13.Signal shows:Normally to full frame.

## INSTALL LANDING SKIDS & BLADE GUARDS

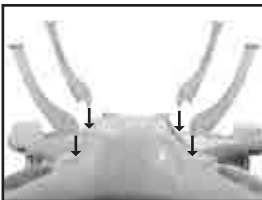


Figure 1

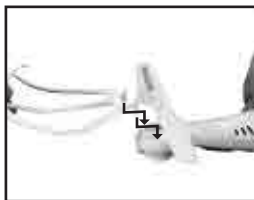


Figure 2

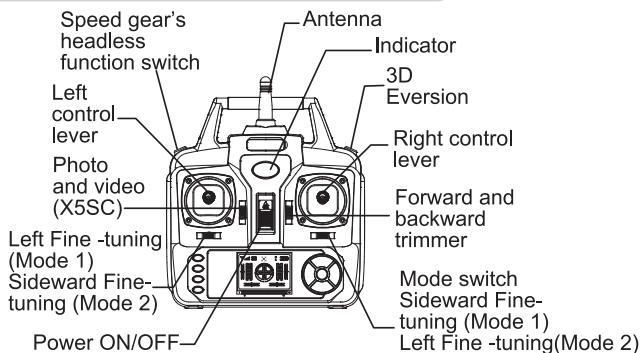


Figure 3

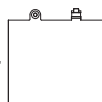
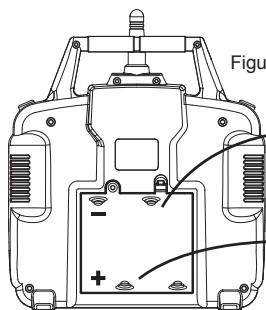
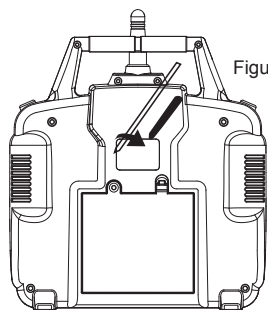
1. Insert foot stands into interface of lower main body as shown in Figure (1).

2.Install the blade protecting frame to every corner than lock screws (Figure 2-3).

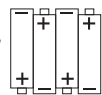
# GET TO KNOW YOUR TRANSMITTER



## TRANSMITTER BATTERY INSTALLATION



Battery Cover



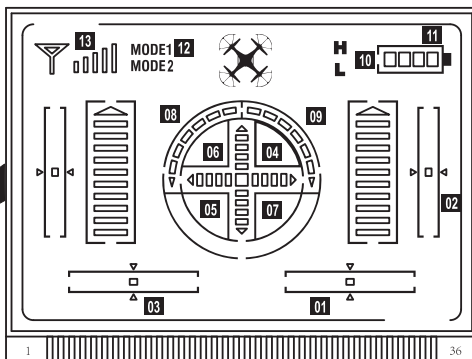
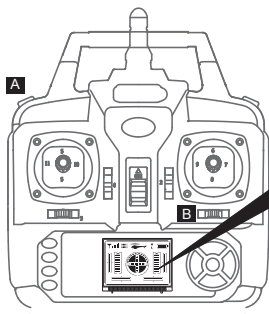
4 X AA(LR06)  
1.5V Batteries

1. Use a screwdriver to remove the screw on the back of transmitter, then open the battery cover (Figure 1).
2. Install 4 "AA" batteries (not included) into the back of transmitter then replace battery cover and reinstall the screw (Figure 2).



- 1 - Install batteries with correct polarity.
- 2 - Do not mix old and new batteries.
- 3 - Do not mix different types of batteries.

## LCD DISPLAY



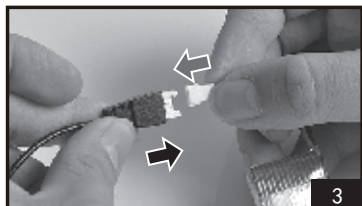
# QUADCOPTER BATTERY CHARGING



1 - Ensure the Quadcopter is switched **OFF** then remove the battery cover.



2 - Remove the battery plug from the battery port. Then slide battery pack out of the model



3 - Connect the battery to the USB charger making sure the connection is tight.



4 - Insert the USB cable into the USB port of the computer  
The indicator on USB cable will glow during charging, than it will go **OFF** when battery fully charged.



5 - Re insert the battery pack. Reconnect the battery plug and replace the battery cover.

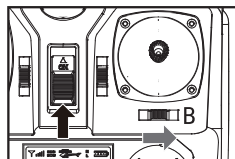
**Charging time: about 75 minutes — Flying time: about 7-10 minutes**

## CAUTIONS WHEN CHARGING

When charging, please ensure the battery is placed on a hard non flammable surface  
When charging, please remove the batteries from the quadcopter.  
The charging process should be supervised by an adult.  
Allow the battery to cool in between charges.  
Only use the supplied USB charger to charge the battery.  
Do not cut or modify the battery wires.  
Do not puncture or Pierce the battery pack.

## CONTROLLER MODES

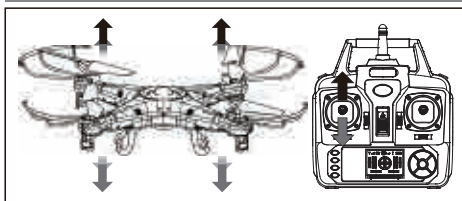
The transmitter has 2 built-in modes, Mode 1 & Mode 2, in line with different customer's usage pattern. Keep pushing button B to right, than turn on the transmitter power to change Mode 1 or Mode 2.



## MODE 1

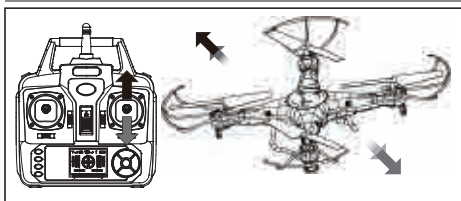
### Operating direction

#### Hover up and down



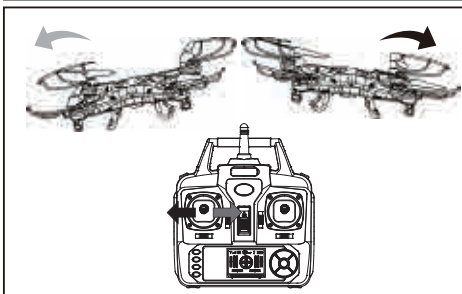
Push the throttle up or down, the quadcopter flies upward or downward.

#### Forward and backward



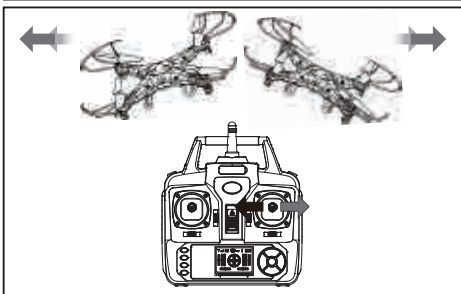
Push the direction lever up or down, the quadcopter flies forward or backward.

#### Turn Left and Right



Pull the throttle left or right, the quadcopter turns to left or right.

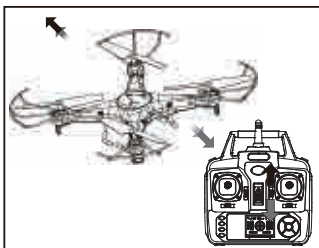
#### Sideward fly



Pull the direction lever left or right, the quadcopter flies to left side or right side.

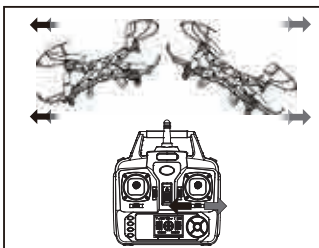
### Fine-tuning operation

#### Forward/Backward fine-tuning



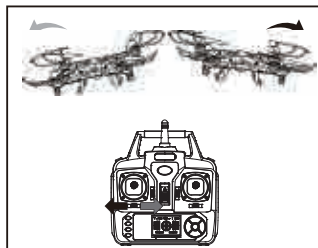
When the quadcopter keeps flying forward / backward, you can correct it by pressing the fine-tuning button down / up.

#### Sideward fly fine-tuning



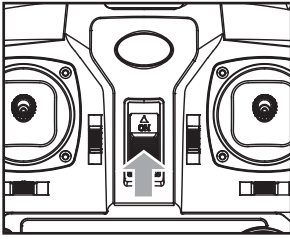
When the quadcopter keeps flying to left / right side, you can correct it by pressing the Fine-tuning button right / left.

#### Turn left/right fine-tuning



When the quadcopter keeps rotating to left / right, you can correct it by pressing the fine-tuning button right / left.

# READY TO FLY YOUR QUADCOPTER



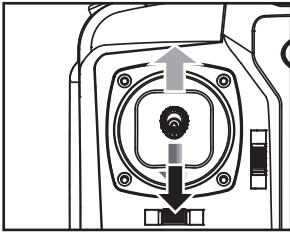
**Step 1:** Turn ON the transmitter



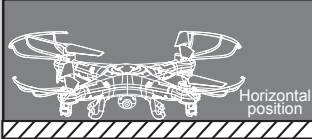
**Step 2:** Open the battery cover & insert the battery into the power port.



**Step 3:** Close the battery cover and turn on the quadcopter.



**Step 4:** Push the throttle lever to the highest position, and then pull it back to the lowest position. There will be one clear sound from the transmitter, this shows that the quadcopter has entered into the pre-flight state.

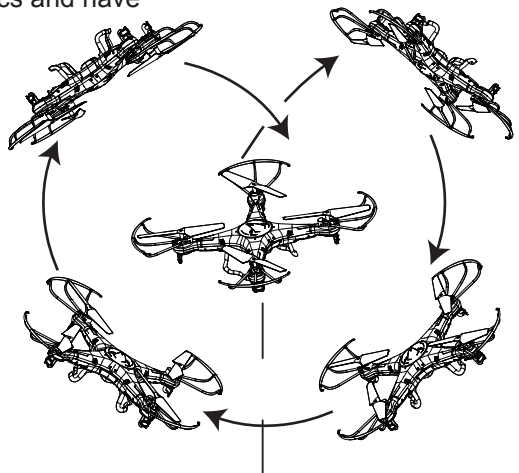


**TIP:** When syncing your quadcopter keep it in a horizontal position.

## SPECIAL FUNCTIONS

### 3D Roll

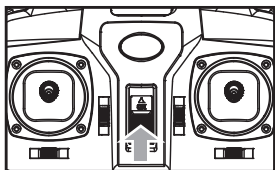
Once you are familiar with the basics and have mastered hovering you will be able to perform an exciting ariel stunt. Ensure you are hovering more than 3 meters from the ground and in a clear area. Once hovering press the 3D Roll switch on the Top Right hand side of the transmitter, then push the right rudder (in any direction) to make the X5SC Roll.



## RE-START FUNCTION

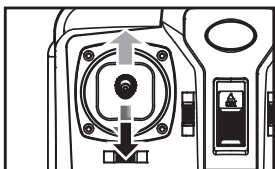
### Restart function:

To return the transmitter to factory settings, please follow the steps below.

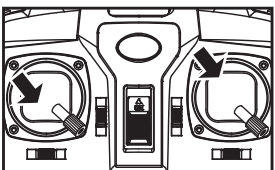


Press the power switch to turn on the transmitter.

Press the power switch to turn on the quadcopter.

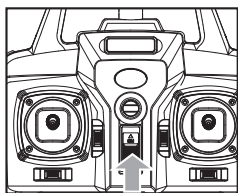


When the quadcopter indicator quickly flashing to slowly flashing, please push the throttle lever to the highest position, and then pull it back to the lowest position. Then the quadcopter indicator changed from slowly flashing to normal lights up.

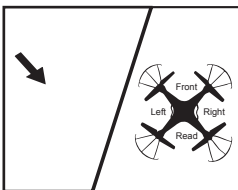


Place the quadcopter on a horizontal position, then push transmitter both left and right lever to lowest right corner for about 2-3 second, indicator on the quadcopter changed from normal lights up to quickly flashing; After 2-3 second, the indicator changed to normal lights, it means the quadcopter restarted /reset successfully.

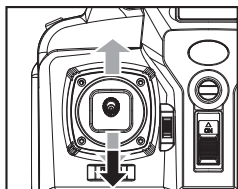
## HEAD FREE FUNCTION



1. Turn on power switch of remote control.



2. After aircraft connects with power supply, place the switch in "ON" position, adjust the direction pointed by aircraft's handpiece and regard it as the dead ahead in headless situation.



3. Push the accelerator's push rod of remote control to the highest point and pull back to the lowest point. When remote control pops, it indicates that frequency modulation and forward definition have already finished.

## TROUBLE SHOOTING

Problem	Reason	Solution
No response from the quadcopter	1. Quadcopter battery is too low 2. Transmitter battery power too low.	1. Charge the quadcopter 2. Replace transmitter batteries.
Quadcopter is slow to respond or difficult to manoeuvre	1. Insufficient power with the transmitter.	1. Replace or recharge the battery.

## SPARE PARTS

Even the very best pilot has accidents. Please see listed below a full range of replacement parts aimed at getting you back up into the air with a minimal amount of fuss.

These parts can be ordered using the numbers below from either your original point of purchase or through a local model shop.



**SYSX5SC-01**  
Fuselage Set



**SYSX5SC-02A**  
Main Blades x 4



**SYSX5SC-03**  
Landing Skid Set



**SYSX5SC-04**  
Blade Guards



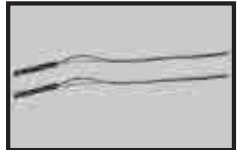
**SYSX5SC-05**  
Light Covers



**SYSX5SC-06**  
Motor A



**SYSX5SC-07**  
Motor B



**SYSX5SC-08**  
Light Boards



**SYSX5SC-09**  
Receiver Board



**SYSX5SC-10**  
LiPo Battery



**SYSX5SC-11**  
USB Charger



**SYSX5SC-12**  
Camera Unit



**SYSX5SC-13**  
Card Reader



**SYSX5SC-14**  
Transmitter

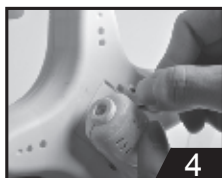
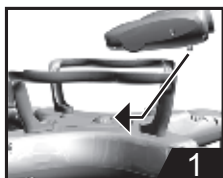


Thanks to the 6 axis gyroscope, you can throw the quadcopter and push the throttle right up, it will automatically level out and hover smoothly in the sky, This can also be done when the quadcopter is rolling.



## INSTALL CAMERA

Camera unit is supplied fitted with the X5C Version



1. Push the camera into the locating hole on the battery cover.
2. Open the battery cover with the camera attached.
3. Lock screws to ensure camera unit stays secure.
4. Close the battery cover with camera attached and insert the 3-pin plug into the socket .

## PHOTOGRAPHY / VIDEO USE

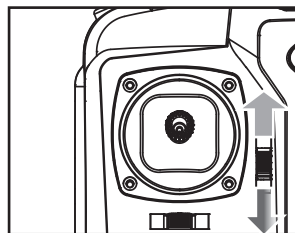
Make sure the 3-pin plug of camera is inserted to the quadcopter. Turn the quadcopter power on, the camera works normally when the **RED** indicator light changes from flashing to **GREEN** and stays on.

If the **RED** indicator just lights up then goes off seconds later, it means there is no SD Memory card in the camera. Please insert the supplied SD card in, then the indicator light will turn **GREEN**.

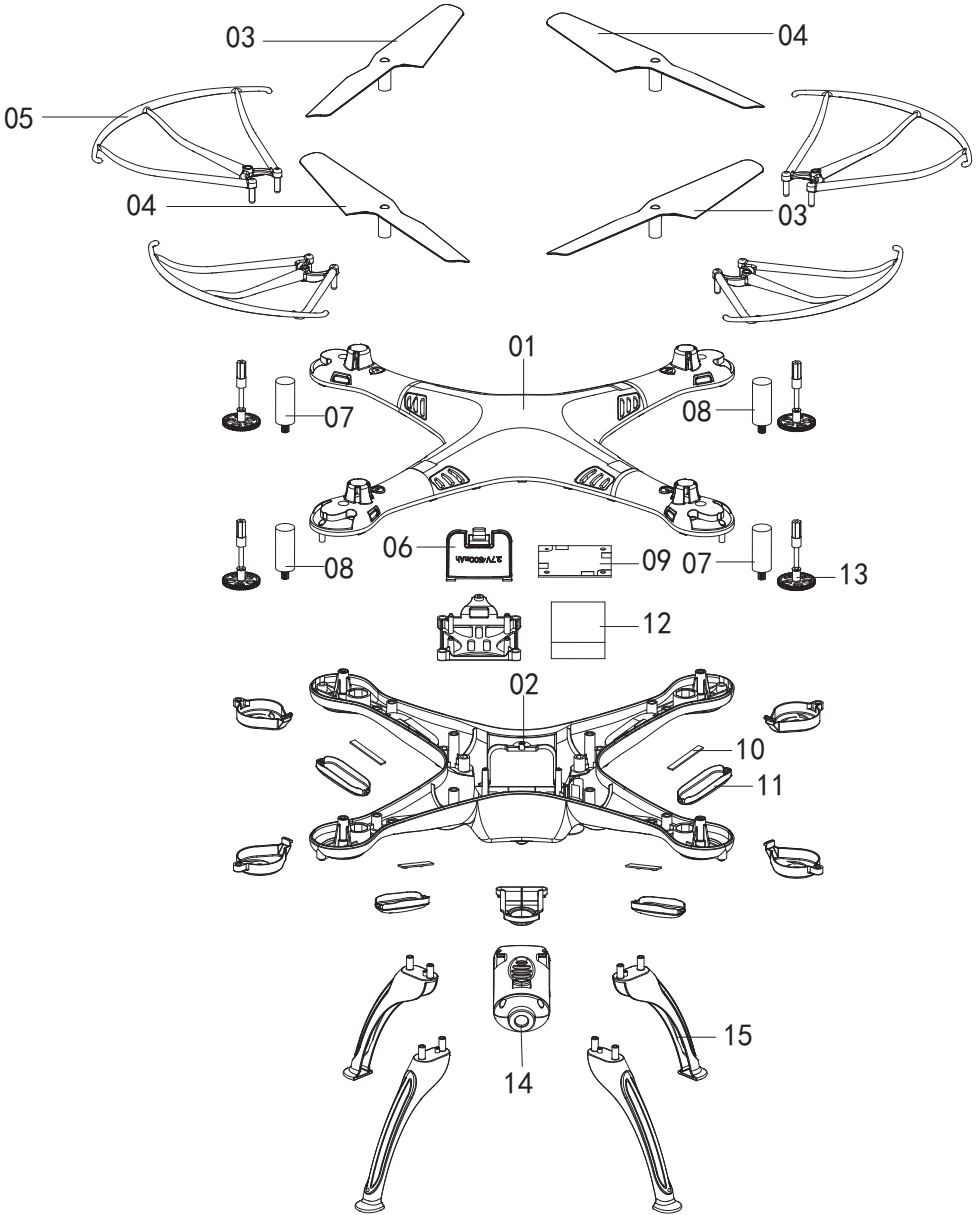
Turn on the transmitter and pull left lever up and down to connect signal between quadcopter and transmitter.

**Take Photo:** To take a **PHOTO** push the button near the throttle lever **UP**. The camera will take a photo after a beep from transmitter when the **GREEN** indicator on camera flash one time in **RED**.

**Take Video:** To take **VIDEO** push the button near the throttle lever **DOWN** for a few seconds. The camera starts taking video when you will hear a beep from the transmitter and the **GREEN** indicator on camera changes to **RED** and keeps flashing. Press the button slightly again, another beep means video stopped and the **RED** flashing indicator on camera will keep light on **GREEN**.



# EXPLODED VIEW





## INTRODUCTION

Thank you for purchasing this SYMA Radio Controlled Quadcopter. To ensure you enjoy many hours of safe flight with this model, please ensure you read and fully understand the manual before operating. Please retain this manual for future reference.

## CAUTIONS

This model is not a toy. Used incorrectly this model may cause harm or injury. Please pay attention to your flying environment and ensure you avoid built up areas and crowded spaces.

Keep your fingers away from all the moving parts.

Ensure you keep long hair and loose clothing away from the spinning blades.

Do not use your model in the rain and avoid using near water.

This model is intended for use by people aged 14+.

Charging of this model should be carried out under adult supervision.

Do not mix old and new batteries or types.

Always turn off the Quadcopter and transmitter when not in use.

Remove the batteries if the model is not to be used for a long time.

Ideally, store the model and the transmitter back in the original box.

## PRE FLIGHT

Before setting off, please take time to follow the pre flight steps below.

Always ensure that the battery in the helicopter is fully charged and connected.

Ensure the batteries in the transmitter are in good health with plenty of power.

Visually check the Quadcopter to ensure there is no debris or other obstructions in the gears, and all other moving parts.

Check the blades to ensure they are free from damage.

Spin the main blades by hand to ensure they spin freely before turning the power on.

## PROTECTION

This Quadcopter has a built in Low Voltage protection circuit which will not allow you to use the model if the voltage in the battery drops to low. This helps to reduce accidents caused by the battery running low whilst in flight.

## CONTENTS

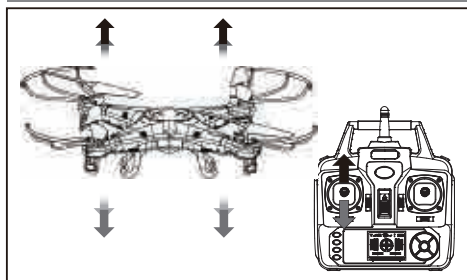
- Quadcopter
- Transmitter
- Main blades
- Screwdriver
- USB Charging Cable
- Instruction manual
- Camera Unit, SD Card and reader - X5C only



## MODE 2

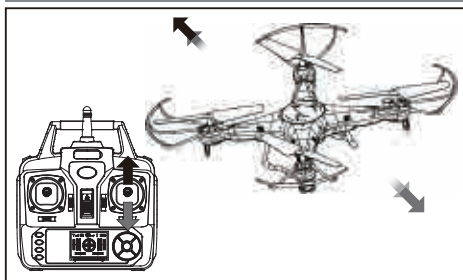
### Operating direction

#### Hover up and down



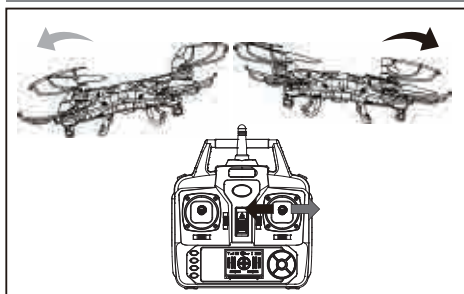
Push the throttle up or down, the quadcopter flies upward or downward.

#### Forward and backward



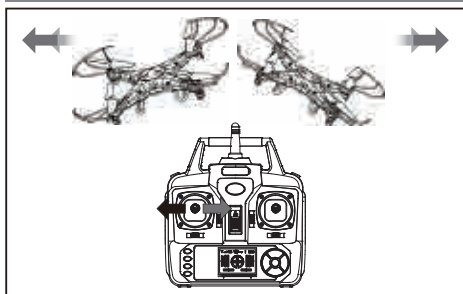
Push the direction lever up or down, the quadcopter flies forward or backward.

#### Turn Left and Right



Pull the direction lever left or right, the quadcopter turns to left or right.

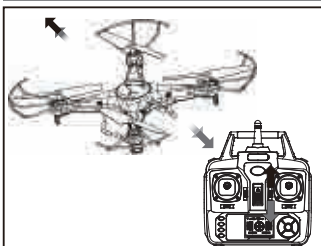
#### Sideward fly



Pull the throttle left or right, the quadcopter flies to left side or right side.

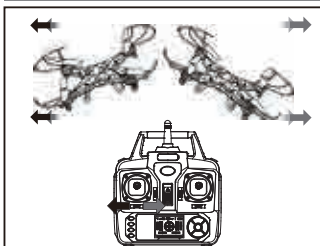
### Fine-tuning operation

#### Forward/Backward fine-tuning



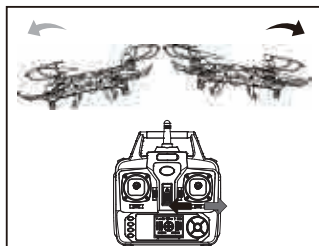
When the quadcopter keeps flying forward / backward, you can correct it by pressing the fine-tuning button down / up.

#### Sideward fly fine-tuning



When the quadcopter keeps flying to left / right side, you can correct it by pressing the fine-tuning button right / left.

#### Turn left/right fine-tuning



When the quadcopter keeps rotating to left / right, you can correct it by pressing the fine-tuning button right / left.



Ver 1.2015

Specifications, colours and content are subject to change and may differ from illustrated



241 Green Street,  
Enfield, Middlesex,  
EN3 7SJ

