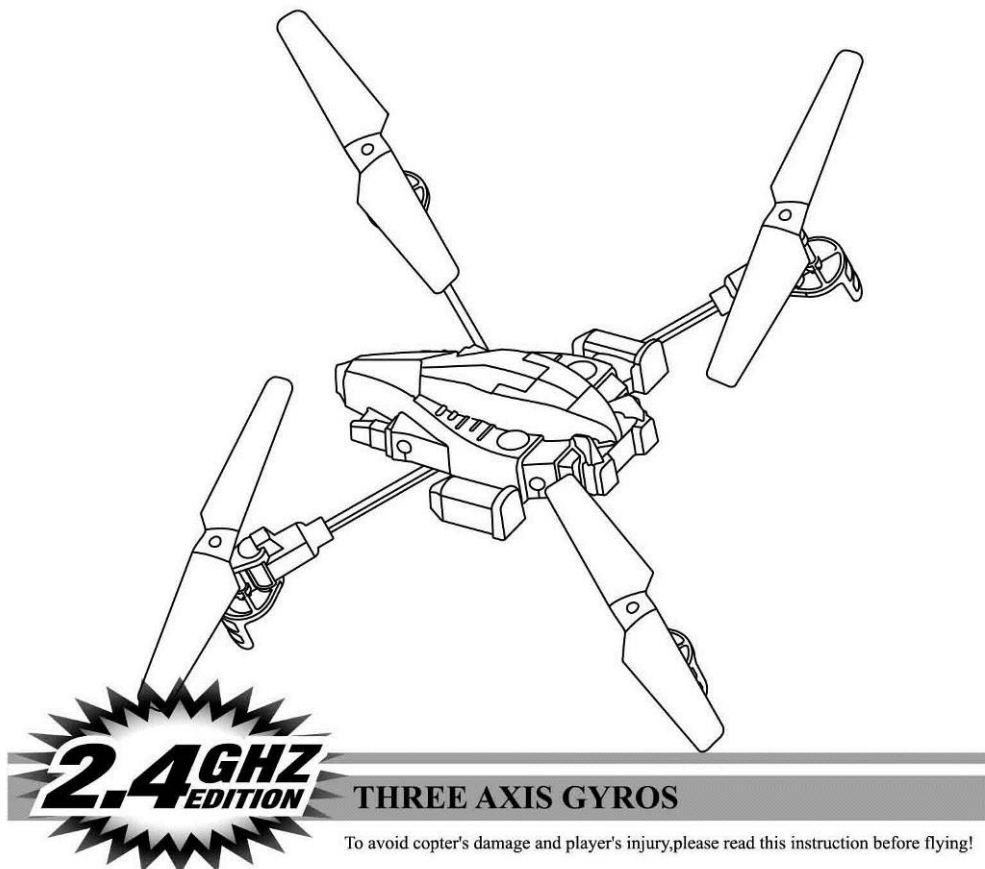


1.6 User Manual

AGE 14+

R/C QUAD-COPTER USING INSTRUCTION

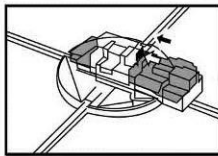


In this instruction of material, the specification or parts within the accessories bag is for reference only. The company will not be responsible for any change of printed part and notify the consumers. Any update or change please refer to the website of SYMA (www.symatoys.com).

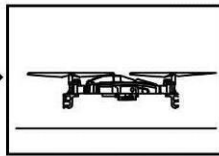
Safety regulations

1. Placed in small parts of the reach of children, to avoid accidents.
2. The quad-copter was powerful, should be gradually pushed up the left stick (throttle lever) to avoid the fast rising caused quad-copter crash damage.
3. After flight, please remove the Li-po battery on copter first then turn off the controller.
4. Do not put the battery in high temperature or heating place (e.g. Fire or electric heating devices).
5. Note that the quad-copter should keep off the user or other persons from 2-3m to avoid the landing copter crash into other person's head, face or body etc.
6. Children should fly the copter by adults in the guidance and ensure the copter control in flyer's (or guides's) line of sight range for easy to control.
7. Non-rechargeable battery is not charging. Installing or changing the battery, please note the positive and negative poles. Don't mix old batteries and new batteries or different type.
8. Please turn off the power of the controller and quad-copter when not in use.
9. Power terminal is not allow short circuiting.

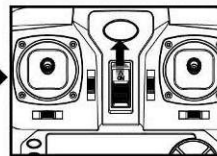
Ready to fly



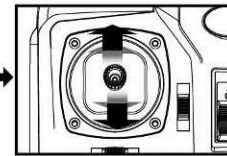
Step 1: Pack the battery which full of electric to the aircraft.



Step 2: when the indicator lights blink very hurry, need to place it on the floor.



Step 3: Open the remote control switch



Step 4: Push the throttle to the top and then back to the lowest place, if the

Note:

1. After the aircraft electrifying, the light will flash around 10 second, then we need to turn on the controller power, if the light of the aircraft and the controller are flashing all the time, that means it is ready to play.
2. If it is late to turn on the controller power and the lights flash slowly, we need to power them off and then again Step 1.
3. Once the aircraft fly swayingly, that should be not in the horizontal plane while match code, this time, we need to power off both of them and again step 1

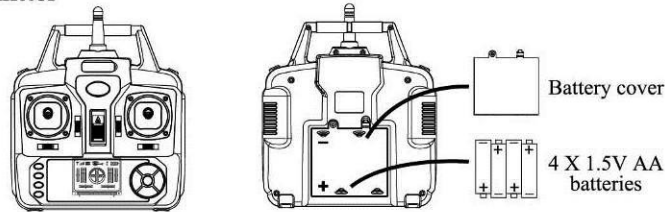
Low volatage protection

Low-voltage protection: When the helicopter battery is low, the helicopter control system battery will be protected, and stop the supply of helicopter rotor; low power protection, the need to charge to secure a new flight of the helicopter.

Overcurrent protection: When the helicopter blades in the rotating state by collision or jammed, the helicopter circuit overcurrent protection.

Assembly transmitter & helicopter charging

Assembly transmitter



- 1. Install batteries:** Open the cover of battery case, insert 4 batteries (size 1.5V AA) properly followed by polar indicator. (batteries to be purchased)



- 1. Install batteries carefully.**
- 2. Do not mix old and new batteries.**
- 3. Do not mix different types of batteries.**

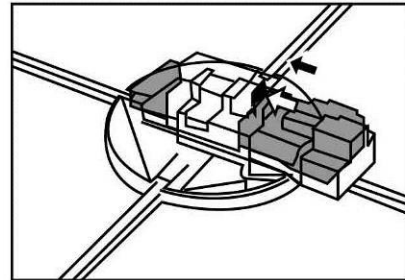
2.The Li-po battery charge and assembly

Charging Method: Take out the removable battery, link to the USB cable first, then plug into a USB port on computer (or a USB ATN) to charge. The power status light red when charging and turn off when finish charging.

Tips: 1. When use the computer charging, please pull out the USB cable before you shut down the computer.

2. When link the battery and USB cable, please be careful and plug into the correct port.

Assembly: Insert the charged battery to the power socket at the bottom of the quad-copter, please push it as the figure shown until put tight. Then put it on ground and it will search the signal from the controller. After signal searching, push the throttle lever to fly.



65~75 minutes charging can flying about 8~9 minutes.

Quad-copter is equipped with a LI-Poly battery, please also pay attention to the following cautions or safety use.

Do not use or leave the battery near a heat source such as fire heater. Otherwise it will cause damage or explode.

Do not use the battery slam or beating hard surface.

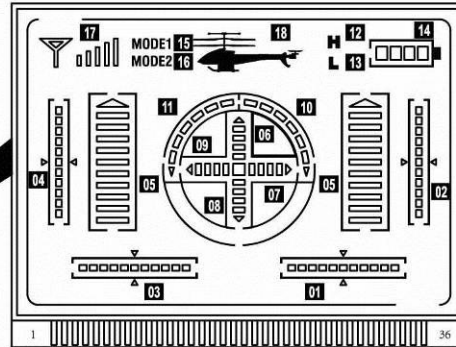
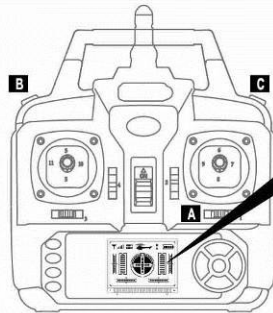
Do not immerse the battery in water, and keep it in a cool dry place.

Charger included with the product can only be used for the product charge.

Do not disassembly the battery.

Never leave the battery unattended during charging.

Remote Control Keypad and LCD Manual



- 01** Sideward fly 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** Throttle lever fine-tuning: Power-on start in middle.
- 05** Throttle shows: Power-on start in lowest level. (Left and right throttle shows at one time)
- 06** Forward 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** Backward shows: Power-on start in the lowest level.(At the center square)
- 09** Right sideward fly shows: Power-on start in the lowest level.(At the center square)
- 10** Turn left : Power-on start in zero.
- 11** Turn right: Power-on start in zero.
- 12** High speed mode:Power-on without display "H".
- 13** Low speed mode: Default mode when power-on with "L".(Change to H mode when press button"B".)
- 14** Power shows: According to the battery's energy for the controller.
- 15** MODE 1 : Default mode when power-on.(Suit for right-handed)In MODE 1, turn left/right controlled by left lever, sideward fly controlled by right lever.
- 16** MODE 2 : Push the button "A" to right to change MODE 1 into MODE 2 (Suit for left-handed).In MODE 2 , sideward fly controlled by left lever, turn left/right controlled by right lever.
- 17** Signal shows: Normally to full frame.
- 18** Mini helicopter shows when power on with on function now.
- 19** Button C : The special function for 360° eversion.

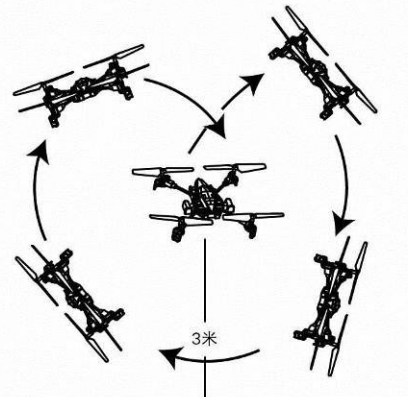
* This controller suit for both Right-handed and Left-handed through button A to change.

3D Eversion guide:

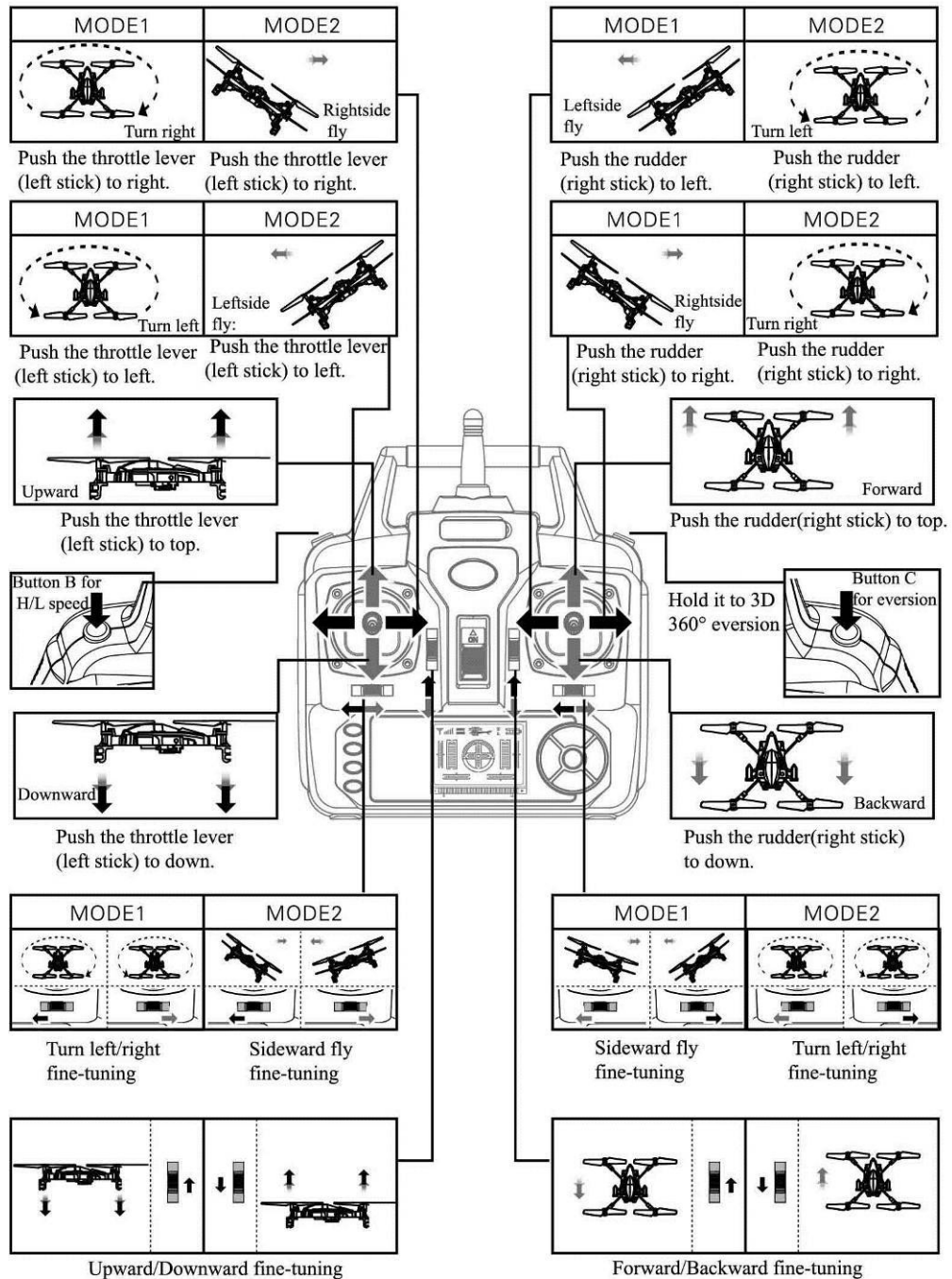
After familiar with basic action,let's try breathtaking eversion! First fly up to 3m height, hold button C on top right corner and push rudder(any direction) ,quadcopterwill finished the 3Daction ,any direction 360° continuous eversion .

This device complies with Part 15 of the FCC Rules.Operation is subject to the following two conditions:(1)this device may not cause harmful interference,and(2)this device must accept any interference received,including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.



Quad-copter control guide :



Remark: When using fine-tuning ,please keep the quad-copter hovering.

Maintenance program

Problem	Cause	Check this
No reaction from the helicopter	<ol style="list-style-type: none"> 1. Not enough power for the helicopter. 2. Not enough power for the controller. 3. The channel was different from helicopter and the controller. 4. The gyro of the helicopter can't find out the right point. 5 remote control throttle trim and throttle rocker did not hit the minimum 	<ol style="list-style-type: none"> 1. Should be charging for the helicopter. 2. Change new batteries instead. 3. Remote control and the aircraft power supply is turned off, re-code. 4. Move the helicopter onto the flat ground, when the gyro receive the signal, then open the controller. 5. Throttle trim, throttle joystick to hit the lowest re-code
Not reaction from the helicopter when was fly	<ol style="list-style-type: none"> 1. the remote control are running low. 2. antenna Weld. 	<ol style="list-style-type: none"> 1. replace the remote control batteries. 2. antenna re-welding.

Spare parts list

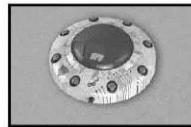
Order by item number from local distributors.



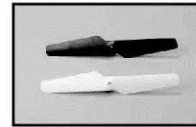
X1-01
Body01



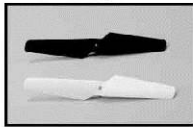
X1-02
Body02



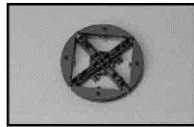
X1-03
Body03



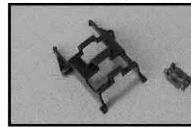
X1-04
Inversion Blades



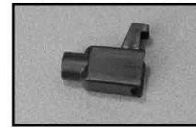
X1-05
Eversion Blades



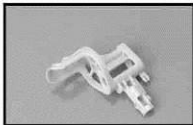
X1-06
Main frame



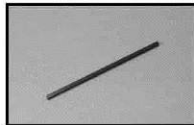
X1-07
Battery case



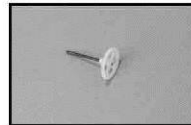
X1-08
Motor limit



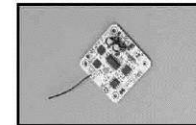
X1-09
Protect basic



X1-10
Carbon fiber tube



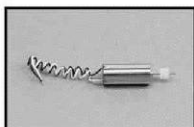
X1-11
Main gear



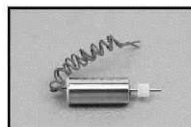
X1-12
Circuitboard



X1-13
Li-poly Battery



X1-14
Forward motor



X1-15
Reverse motor

Graphic detail

