For Indoor & Outdoor
Collapsible / Hobby Style
Built-in gyroscope
2.4GHz remote Control

For ages 14+

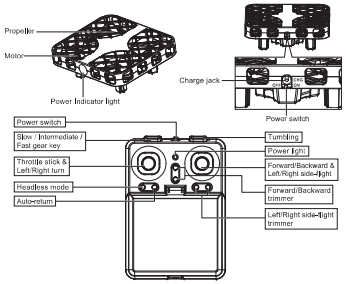
MINI SKY PHANTOM
6 AXIS GYROSCOPE QUAD-COPTER

Instruction manual

1. Parts

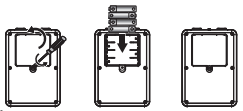
Quad-copter x1 | Controller x 1 | USB charging line x 1 | Instruction manual

2. Name of fittings



3. Install battery

Open the battery cover and insert 4×1.5V AAA batteries.(Batteries are not included) (Pic.1)

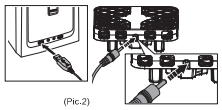


(Pic.1)

NOTICE:
1. Do not mix new and old batteries.
2. Do not mix different types of batteries.

4. USB charge(Pic.2)

(1). Insert USB Cable to the computer socket.
(2). Turn "OFF" the power of the Quad-copter, connect the USB cable to the slot on the side of the Quad-copter. USB lights ON during charging & USB lights OFF when finish charging.
(3). Charging time via this USB cable is about 30 minutes. Quad-copter flying time is about 4 minutes.



(Pic.2)

Warning :
Do not operate the Quad-copter during charging.

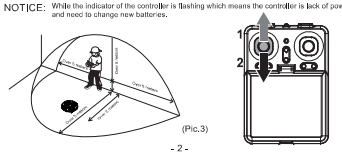
5. Environment for flight

Please be sure that without obstacles, animal and people around during fly.
Note: • Please make sure the ambiences before fly. • Child playing must be guided by adult.
• Do not make the Quad-copter fly out of sight when flying. • For indoor and outdoor use.

6. Prepare to fly (Pic.3)

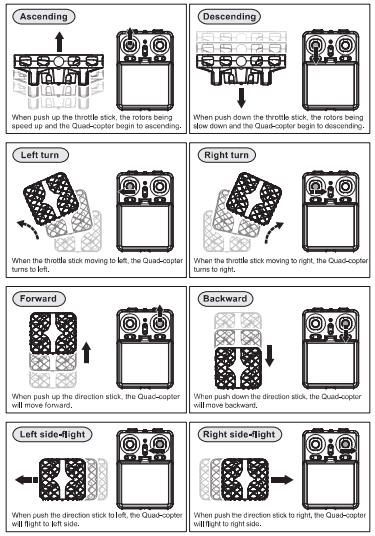
1. Put the Quad-copter on a flat surface, Turn "ON" the Quad-copter, and then turn "ON" the controller, the Quad-copter and the remote control will start matching code, then you will hear one continuous beep, and the product indicator will change to constant light, Push up the accelerator and then push it down to the bottom, you will find the power indicator of the Quad-copter stop linking, by this time, code matching is successfully done.
2. Make sure the Quad-copter is far away from crowd, animals and other obstructions.

NOTICE: While the indicator of the controller is flashing which means the controller is lack of power and need to change new batteries.

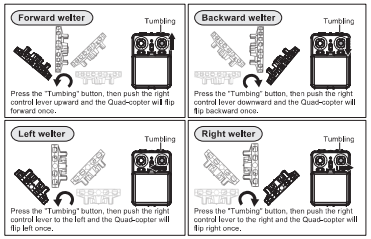


(Pic.3)

7. Control methods



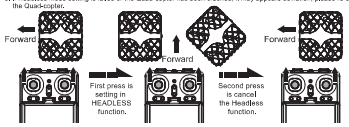
8. 360° flip



9. Headless Mode

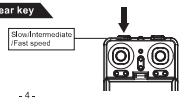
Put the Quad-copter on a flat surface, Turn "ON" the Quad-copter, then turn "ON" the controller. Push up the accelerator and then push it down to the bottom and then press 'Headless Mode" button, you will hear a sound of "di", and the indicator change to flashing while the Compass light is on, that means headless mode has been successfully set, Press again the "Headless" button to cancel the headless mode.

Notice:
1. In the Normal Mode, the red light of the Quad-copter is Forward direction, blue light is backward direction.
2. In the Headless Mode, the Quad-copter indicator will flashing.
3. If Headless mode setting is failed or the Quad-copter has been crashed, it may appears deviation, please re-start the Quad-copter.



10. Slow/Intermediate/Fast gear key

There are Slow, Intermediate and fast speed, Slow speed is suitable for new beginners. Intermediate and fast speed is suitable for the professionals. When the controller is switched on, the defaulted state is in slow speed.

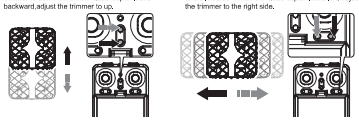


11. Special prompt

Solely raise up the throttle stick and let the Quad-copter lift-off the ground, you can use the trimmer to adjust direction if the Quad-copter leans in a different direction.

1. Forward/Backward trimmer.
When the Quad-copter leans forward,adjust the trimmer to down. When the Quad-copter leans backward,adjust the trimmer to up.

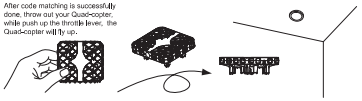
2. Left/Right side flight trimmer.
When the Quad-copter leans right, adjust the trimmer to the left side. When the Quad-copter leans left, adjust the trimmer to the right side.



3. Calibration
Turn on the Quad-copter and the remote control to start code matching. To check the connection, slowly push up the accelerator, if the blades are spinning normally, means code matching is succeed, then push down the accelerator to the bottom. Pull the accelerator on the left side of the controller to the lower left corner and pull the accelerator on the right side of the controller to the lower right corner, the indicator of the Quad-copter and the indicator on the controller will flashing quickly, and you will hear a sound of "Di", at this time, the indicator of the Quad-copter will change to constant light on, Pull the accelerator back to the position and correction is done.

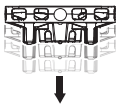
12. Throw to fly

After code matching is successfully done, throw out your Quad-copter, while push up the throttle lever, the Quad-copter will fly up.



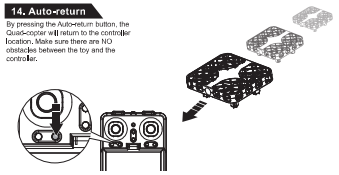
13. Out-of-control protecting function:

When the Quad-copter is out of control or low on battery, the Quad-copter will starts Out-of control Protecting Function itself and slowly decline.



14. Auto-return

By pressing the Auto-return button, the Quad-copter will return to the controller location. Make sure there are NO obstacles between the toy and the controller.



15. Problems and Solutions

PROBLEM	CAUSE	SOLUTION
Controller doesn't work.	• Power switch is "OFF". • Insert batteries into Controller improperly. • Batteries lack of power.	• Turn the power switch to "ON". • Confirm batteries are inserted correctly. • Change new batteries instead.
Can not control the Quad-copter.	• Power switch is "OFF". • You play the Quad-copter in strong winds weather.	• Turn the power switch to "ON". • Do not play in big windy place, it would make it out of control.
Quad-copter can not rise.	• Main rotor blades rotate too slowly. • Doesn't fully charge the battery.	• Pull up the throttle stick. • Fully charge Quad-copter battery.
Quad-copter land too fast.	• Pull down the throttle stick too fast.	• Slowly pull down the throttle stick till Quad-copter landing smoothly.

16. Caution

1. The control distance will be shorter when battery is weak.
2. The Quad-copter would not fly enough high, when lack of battery.
3. If the rotor become damaged or broken, do not fly, otherwise, it will lead to injury.
4. If you don't use for a long time, remove all batteries out from the controller, in order to avoid the battery leakage to damage the product.
5. Don't drop the Quad-copter from high position or crash, to avoid damage it.
6. The biggest control radius of the Quad-copter is 30 meters, please uses in 30 meters area, otherwise it will be out of control when it overstep this area.
7. Rechargeable batteries are only to be charged under adult supervision.
8. Different types of batteries or new and used batteries are not to be mixed.
9. Batteries are to be inserted with the correct polarity.
10. Exhausted batteries are to be remove from the toy.
11. The supply terminals are not to be short-circuited.
12. If the Quad-copter become damaged, deformation, please repaired in time.

17.FCC Statement

This equipment has been tested and found to comply with the 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.
• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.