

- (1) GA006 is suitable for 1 cell (3.7V) Li-ion or Li-polymer battery and can charge 2 pieces of batteries maximum at the same time.
- (2) Please plug the pin of your battery into the jack of the GA006 first and then connect to the power. Otherwise, the LED may not become red and the voltage may be higher than 3.8V. You need to disconnect the USB power supply and reconnect it.
- (3) When USB power supply is well connected and battery is charging, the LED will become red. After your battery is full charged, the LED will not become red.

8.1 Installation of battery pack

Install the battery to the pack.

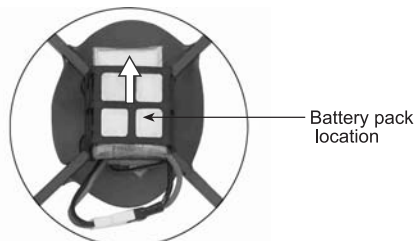


Diagram of battery installation.

8.2 Turn on the power

8.2.1 Turn on the power



1. Install the battery pack in the battery compartment.



2. Turn on the power of transmitter.



3. Pull down the throttle stick and throttle trim of transmitter to the lowest position, and then move the elevator trim, aileron trim, and rudder trim at the neutral positions, respectively.



4. Connect the power cable of UFO to receive signal from transmitter.

8.2.2 Matters needing attention

- (1) Please follow this rules: "Open the radio first ,connect the QR Ladybird power last". After open the radio power button ,please connect the QR Ladybird power in 10S, the signal indicator light begins flashing, the light will be solid after 1~3 seconds.After binding with the radio, the indicator light starts flashing again. If the indicator light turns solid, then the receiver has received the signal of the radio successfully, binding finished.
- (2) If more than 10 seconds passed before the power cable was connected binding will fail. When binding fails, disconnect the battery, turn off the transmitter and repeat step (1).

8.2.3 Trouble shooting a flashing receiver LED after connecting the power cable

Possible causes	Solutions
Code pairing failed.	Turn transmitter off then on and re-connect UFO power cable.
The throttle trim and throttle stick of transmitter are not at the lowest position.	Pull down the throttle trim and throttle stick to the lowest position and re-code pair.
The transmitter battery is low or empty.	Replace transmitter battery and re-code pair (re-bind).
The UFO battery is low or empty.	Replace the UFO battery with a fresh pack and re-code pair.
No function in receiver or transmitter.	Replace faulty receiver or transmitter and re-code pair.



07

Instruction
for GA006
Charger



08

Steps of
flight



09

Flight over



Step 1: disconnect the power cable of QR Ladybird

Step 2: turn off the transmitter.

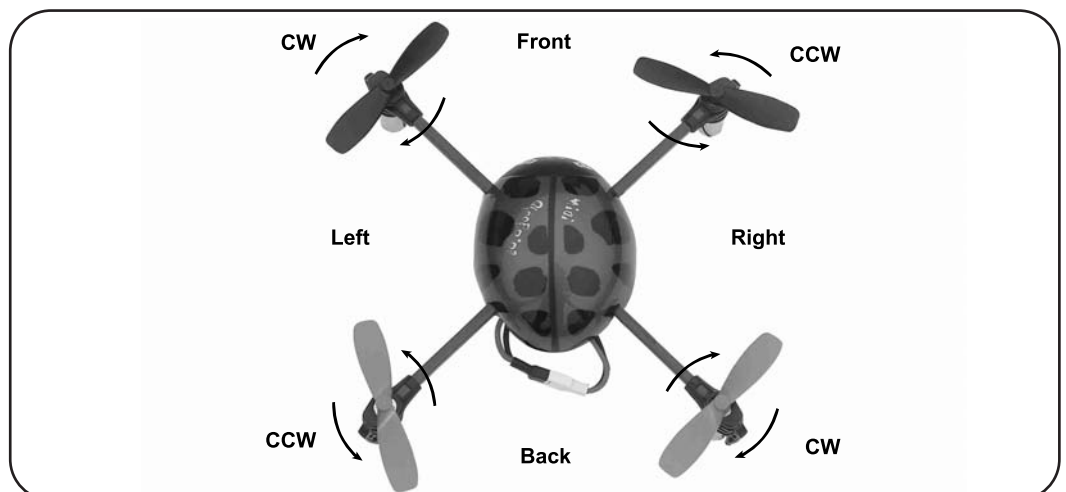
Step 3: Remove the battery pack.



10

Additional Instruction

1. The front propellers are in black color while the rear propellers are in Orange.



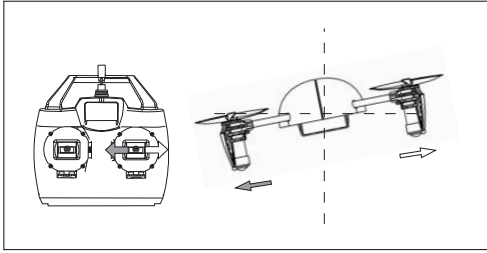
2. After connecting the power of the QR Ladybird, please check the propellers rotation direction, left front/right front propellers rotate CW, right front/left propellers rotate CCW.

3. You can adjust the radio trim button (except the throttle trim) if the quadcopter flight drift.

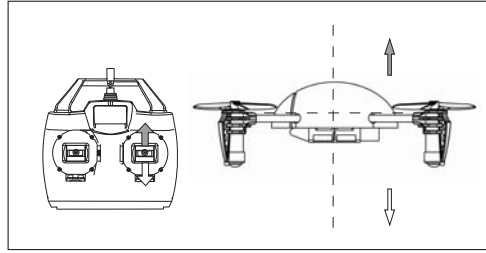
QR Ladybird

2.4G

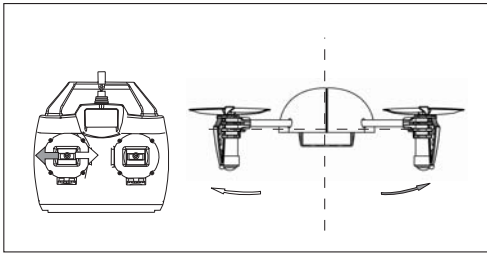
Mode 1 (throttle stick at right hand)



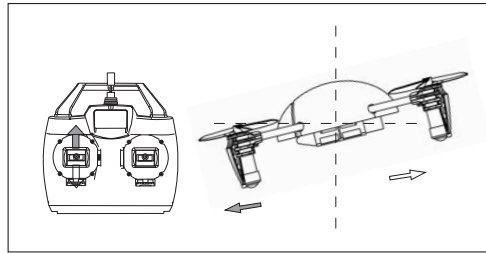
1. When moving the aileron stick left or right, the UFO accordingly flies left or right.



2. When moving the throttle stick up or down, the UFO accordingly flies up or down.

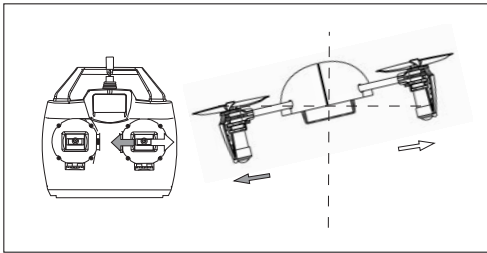


3. When moving the rudder stick left or right, the head of UFO accordingly flies left or right.

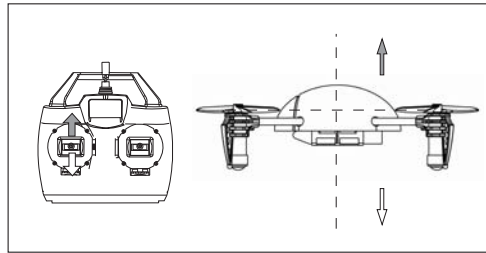


4. When moving the elevator stick up or down, the UFO accordingly flies forward or backward.

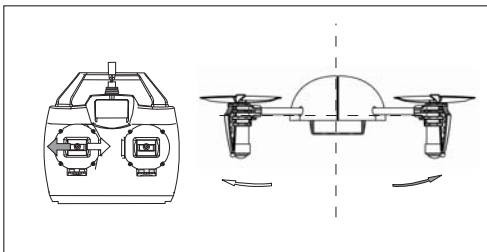
Mode 2 (throttle stick at left hand)



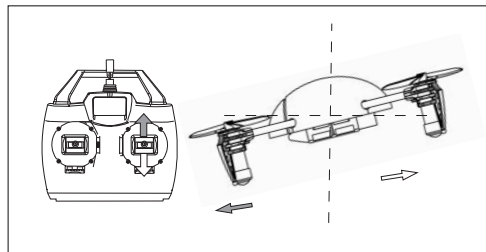
1. When moving the aileron stick left or right, the UFO accordingly flies left or right.



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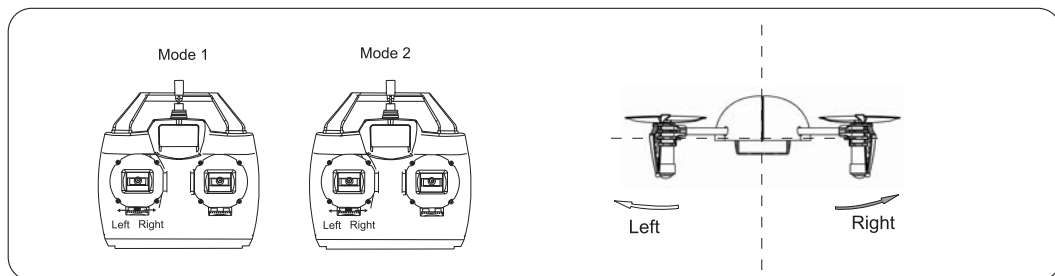


Appendix 1- Flight control



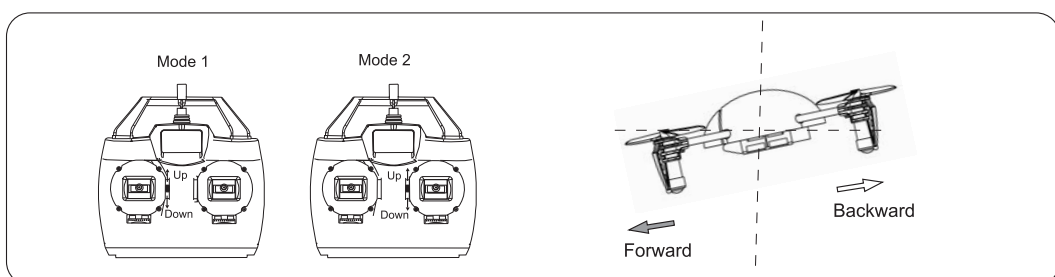
Appendix 2 – Trimming the flight actions

1. Adjust the rudder trim



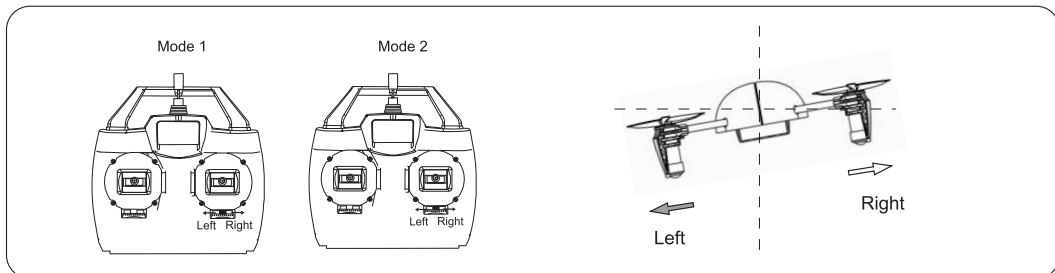
Move the rudder trim left if the head of UFO flies right during take off; otherwise move the rudder trim left.

2. Adjust the elevator trim



Move the elevator trim down if the UFO flies down during take off; otherwise move it up.

3. Adjust the aileron trim



Move the aileron trim right if the UFO flies left during take off; otherwise move it left.

1 Flight practice for the beginner

1.1 Matters needing attention

- (1) Beginners should be supervised and guided by skilled pilots when learning.
- (2) For the sake of safety, people should keep at least 5 meters away from the UFO during practice.
- (3) Choose a spacious open ground without people and obstacles as the flight practice field.

1.2 Steps

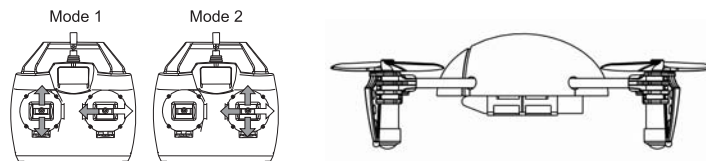
- (1) Practicing throttle control - stationary flight

Start by standing directly behind the UFO, tail closest to you and head/nose pointing away. Practice taking off from the ground and then by slowly pulling down on the throttle stick, land it softly and horizontally. Repeat this step until the throttle can be finely and carefully controlled.

When hovering, the tail rotor counteracts torque but also pushes UFO to the left. Don't forget to counteract this effect using cyclic stick to the right and take off slightly inclined. It is important to hover vertically, stabilize UFO at 1.5m height and then land it.

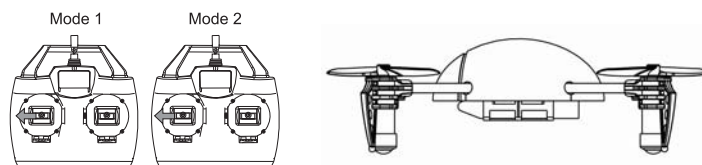


- (2) Practice of aileron and elevator control



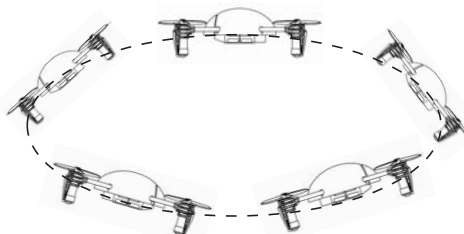
First increase throttle and enter a stable hover as practiced in the previous section. Next, use the elevator and aileron sticks to purposely fly the UFO in a 'cross pattern' forwards, backwards, to the left and to the right. In between each direction, return to hover over the take off point. Continue to repeat this step until it can be completed with ease.

- (3) Practicing rudder control



Enter a stable hover as practiced in step one, then practice rotating the head of the UFO to face left then back to face right and back to face forwards (away from the pilot). Start with a rotation angle of 30 degrees or less and gradually increase it as you become more comfortable and more experienced.

- (4) Practicing circular flight



After mastering steps (1) to (3) with ease, please draw or mark a large circle on the ground. Fly your UFO along this circular track until the flight is smooth and controlled.

You may wish to stand inside the circle at first to practice circular flight before needing to control the nose in orientation. Fly circles in both directions and at a constant altitude to be comfortable with this step.



Appendix 3 – Flight practice

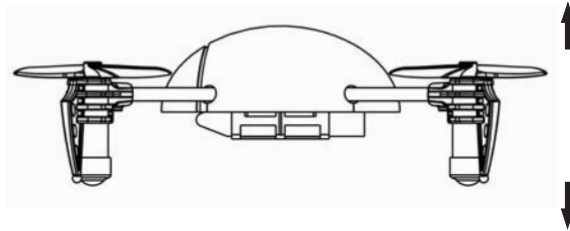


Appendix 3 – Flight practice

2 Advanced practice

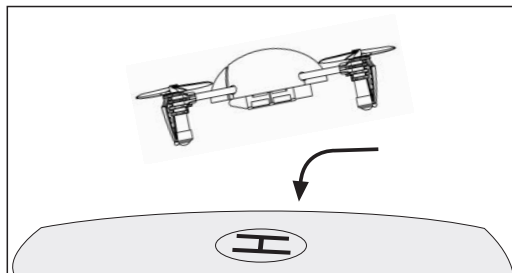
2.1 Frog-hopping practice

Repeat the take off and landing action using the throttle stick whilst maintaining a vertical path. Increase your rate of ascent and descent gradually as you become more comfortable with the exercise. Be sure to slow down in time when landing!



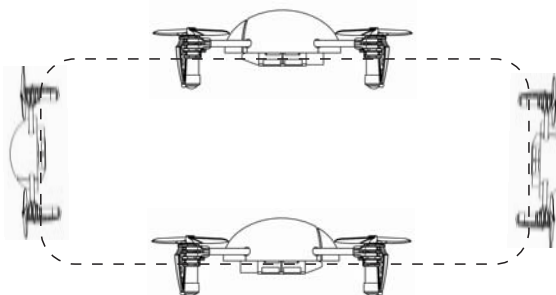
2.2 Practicing controlled take off and landing

Mark out an area on the ground as a landing pad to help practice deliberately taking off and landing from a setted location. The process of take off and landing should be kept stable and as close to vertical as possible.



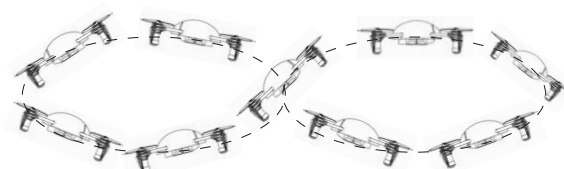
2.3 Practicing square flight

Take the take off point as the center to draw a square whose side length is about 2 meters. Fly your UFO along the 4 sides and keep the flight height parallel to the line of sight. Make a 90 degree rotation at each corner of the quadrangle to adjust the flight direction. Train your straight flight skills and 90 degree flight course control. Fly in both directions around the circuit until familiar with the maneuver.



2.4 Figure eight practice

Once you have mastered the previous steps you can try flying smooth flat figure eights. Try to maintain the same altitude during the entire flight path. Take care when flying where there is wind as it may cause the UFO to suddenly rise or fall unexpectedly.



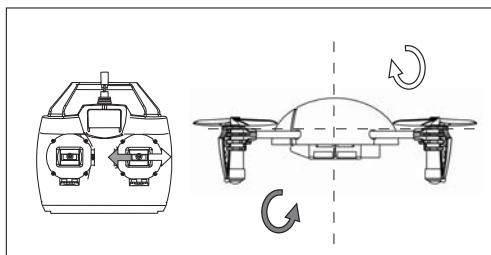
2.5 Roll flight practice

QR Ladybird can finish excited stunts actions, such as the front and back, right and left rolls.

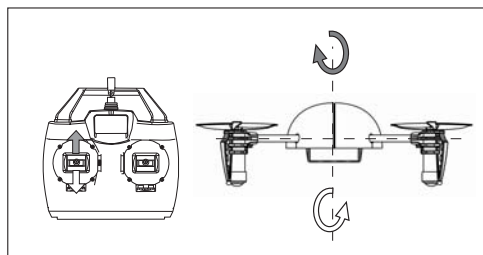
Matters need to be attention when the first flight:

- (1) Choose a spacious ground with soft grass to practice.
- (2) Select roll flight mode.
- (3) Advise beginner to increase servo distance of ELEV and AILE of the transmitter to 100%~110%. And can adjust according to personal skill level. The default setting is 100%.
- (4) Practice of throttle stick: when UFO roll from normal status, the throttle stick need to be pulled down slowly; Push up the throttle when it exchange normal status to roll. Please adjust according to personal skill level.

Mode 1 (throttle stick at right hand)

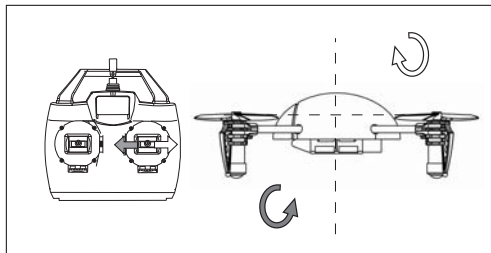


1. When moving the aileron stick left or right, the UFO accordingly rolls left or right.

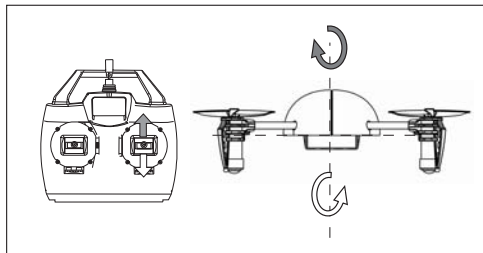


2. When moving the elevator stick up or down, the UFO accordingly rolls forward or backward.

Mode 2 (throttle stick at left hand)



1. When moving the aileron stick left or right, the UFO accordingly rolls left or right.



2. When moving the elevator stick up or down, the UFO accordingly rolls forward or backward.



FCC Information

This device complies with part 15 of the FCC results. Operations is subject to the following two conditions:

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to part 15 of FCC Rules. These Limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, users 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 dose 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 contact the interference by one or more of the following measures:

- 1.1 Reorient or relocate the receiving antenna.
- 1.2 Increase the separation between the equipment and receiver.
- 1.3 Connect the equipment into an outlet on a circuit different from that two which receiver is connected.
- 1.4 Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.



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