AGE:14+   GT4107

R/C HOVER PLANE

INSTRUCTION MANUAL

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1. REMOTE CONTROL DIAGRAM

1.High/low speed
2.360° flip
3.Photo (Not Supported)
4.Video (Not Supported)
9.Left stick (ascend/descend/ turn left/turn right)
10.Right stick (forward/backward/ left and right side flying)
5.Forward fine-tuning
7.Right fly fine-tuning
6.backward fine-tuning
8.Left fly fine-tuning
11.Unlock/ One key take-off/ One key landing (Short press)/ Emergency stop (Long press)
12.Headless mode(Short press)/ One key return(Long press)
13.Power on/off

Serial Number	Function keys / Names	Function / Effect
1	High/low speed	Adjust the aircraft left / right / forward / backward / left / right side fly speed.
2	360° flip	This button is for 360 degree flip function , control the aircraft achieve the 3D flip function.
3	Photo (Not Supported)	This model's photo function is not supported.
4	Video (Not Supported)	This model's video function is not supported.
5	Forward trim	If the plane moves backward while hovering, press the forward trimming button,until the plane stops moving backward.
6	Backward trim	If the plane moves forward while hovering, press the backward trimming button,until the plane stops moving forward.
7	Turn right trim	If the plane flies to the left while hovering, press the right sideward trimming button,until the plane stops flying to the left.
8	Turn left trim	If the plane flies to the right while hovering, press the left sideward trimming button,until the plane stops flying to the right.
9	Left stick	Up/down, left/right turn 360° rotation.
10	Right stick	Forward/backward/left and right side flying
11	Unlock/One key take-off/Linding/ Emergency stop	Touch this key to unlock the aircraft and start the motor. Then touch this key to increase the height of the aircraft. In normal flight, touch this key again and the aircraft will slowly land on the ground. Long press this button to make the aircraft drop quickly.
12	Headless mode/ One key returen	Short press into Headless Mode ; Long press about 3 seconds into One key return function.
13	Power ON/OFF	Dial left to turn off the remote control, dial right to turn on the remote control.

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2. REMOTE CONTROL BATTERY INSTALLATION

2.1 Remove the battery cover from the back of controller (Fig. A)
2.2 Install 3 "AAA" batteries (not Included) into the controller, make sure to install batteries to their correct polarity. (Fig. B) Do not mix old and new batteries or battery types.
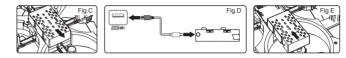2.3 Replace the battery cover

Fig.A   3"AAA"Batteries(Not Included)   Fig.B

3. BATTERY CHARGING & INSTALLATION

3.1 Pull the lithium battery module out of the battery compartment of the plane.(Fig.C)
3.2 Plug the USB charging cable into the USB power socket, and then connect the other end to the charging socket of the lithium battery module. When charging, the LED light is always on. When the charging is finished, the LED light is off, and the charging time is about 90 minutes.(Fig.D)
3.3 After charging is complete, insert the lithium battery module into the battery slot as shown below.(Fig.E)
⚠ Special note: Please fully charge the battery before flying.
⚠ Low-pressure warning tips: When the plane enters the low-pressure alarm, the body light will flash slowly. At this time, it indicates that the plane has been exhausted and needs to fly back immediately.

Fig.C   Fig.D   Fig.E

Attention:
1.Make sure the voltage of the USB charger fits the local electricity supply.(Keep the battery in a cool place to avoid exposure)
2.The Charging plug will overheat if overcharged. Please stop charging immediately as it may cause damage to the battery.
3.Do not leave the battery aside when charging.
4.Do not use other chargers other than the one supplied in consideration of safety.
5.Recharge the battery 30 minutes later after flying, because the battery temperature could be too high when flying and charging immediately could damage the battery.
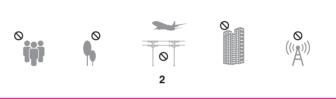 (The plane needs to take out the battery when not in use and store it at 80% to extend battery life)
6.Do not leave the battery in the fire in consideration of safety.
7.Do not short circuit the battery. Do not leave the battery together with tiny medal parts in consideration of safety.

4. PRE-FLIGHT CHECKS

Please choose an outdoor environment with no rain or snow, wind less than level 4. Please stay away from people, trees, power lines, tall buildings, airports and signal towers.
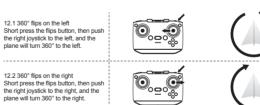
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5. OPERATION

5.1 Plane frequency

1. Install the plane battery and the remote control battery, turn on the plane power switch, and the body lights up and then put it on the level ground.
2. Turn on the remote control power switch, push the remote control throttle lever up and down, the body light becomes steady, and the remote control is successful.
   (Important note: the product must be operated in steps, otherwise it is easy to connect and control badly.)

5.2 Calibration of gyroscope operation

After the plane and the remote control have successfully matched the frequency, the plane can be corrected, and the throttle lever and the direction control lever are simultaneously hit to the lower right corner. At this time, the indicator light of the plane flashes rapidly, and the indicator light is always on, and all the buttons of the remote controller are released. The calibration is complete.
⚠ Special Tips:If the plane takes off and flies, it can also be corrected by correcting the gyroscope.

⚠ Note:Correction should be done at the horizontal level.

5.3 Plane unlock

Aircraft needs to unlock before flying,press the "unlock" function button of the remote control(Fig.1).turn the left and right joysticks of remote controller outward simultaneously and then return.At this time, the four propellers are at the same time. Speed rotation indicates successful unlocking. When unlocking is completed, the plane can operate normally (Fig.2).

Fig.1   Fig.2

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5.4 One key take off and landing

When the unlocking is completed, press the function button of the remote control (Fig. 3) again, the plane will automatically rise to a height of about 1 meter to keep the altitude flying smoothly; when the button is used for the takeoff/landing icon, the plane will automatically land slowly.
⚠ Note:One key landing must land on a horizontal plane, because a fixed-height function landing on a horizontal surface will cause the plane to fly and fly.

Fig.3   1M   1M
The plane will ascend to the height of about 1 meter in any take-off point at any altitude.

⚠ Flight step prompt: frequency(5.1) → gyroscope correction(5.2) → unlock(5.3) → one key take off/one key landing(5.4)

6. REMOTE CONTROL OPERATION

When the left joystick (throttle) is pushed upward, the main wind blade speed increases and the plane rises.
When the left joystick (throttle) is pushed down, the main wind speed slows down and the plane drops.

When the left/right lever (rudder) is pushed to the left/right, the orbiter heads to the left/right.

When the right lever (rudder) pushes up/down, the vehicle moves forward/back.

When the right lever (rudder) is pushed to the left/right, the plane fuselage is tilted to the left/right.

⚠ WARNING   When the plane is located 30CM above the ground, The Plane is not stable due to the influence of the eddy current, which is called "ground effect reaction", and the height more lower the plane is,the greater the impact of the effect will be.

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7. TRIMMING FUNCTION

If the plane does not push the rudder lever during flight and is still spinning or flying in the air, you can use the fine adjustment function to adjust the rudder. The operation is as follows:

If the plane moves backward while hovering, press the forward trimming button ,until the plane stops moving backward.

If the plane moves forward while hovering , press the backward trimming button,until the plane stops moving forward.

If the plane flies to the left while hovering , press the right sideward trimming button ,until the plane stops flying to the left.

If the plane flies to the right while hovering, press the left sideward trimming button ,until the plane stops flying to the right.

8. SPEED MODES

Speed switching: One beeping sound is the low speed mode, Two beeping sounds is the medium speed mode, and three beeping sounds is the high speed mode.(power on default low speed mode)

9. HEADLESS MODE

9.1 Startup and setup
In front of the plane when the power is turned on, the default is the front of the headless mode; if the impact or the front of the flight is biased, please restart the plane and adjust to the direction you need to perform the frequency; after the frequency is successful, the machine The head direction is the front of the headless mode. When the headless mode button is pressed (Fig.4), the plane body light flashes and enters the headless mode.
9.2 Exit headless mode
Press the headless mode button again (the remote control emits a "Di~"), the body light turns on constantly, and the headless mode is exited.

Fig.4

As shown in the above figure, in the headless mode state, no matter which direction the plane head is turned, the remote control direction lever is pushed forward, and when the plane is turned on, the head moves in the direction of the head.

10. AUTO RETURN

When the plane is flying farther away, the plane can be recalled using the return function.
During the flight, long press the home button for 3 seconds to start the Return. After starting the home, the plane to the start of the frequency of the end of the other side to return, the return process, the right joystick before and after the action or long press the home key 3 seconds, cancel the Return.

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11. ONE KEY EMERGENCY

When the plane collides during flight and cannot be controlled, please use the emergency stop function button to realize the emergency stop. It is not available under normal conditions.

12. 360° FLIP

The plane can make a 360° flight through the rocker operation below.
In order to perform the tumbling function better, please ensure that the plane is fully charged and maintains a height of about 1.5 meters with the ground. It is best to operate the plane for tumbling during the ascent, so that it is easier to maintain the height after the plane is tumbling. When the battery is low, the roll will show height or roll. Please charge it in time to experience more flying fun.

12.1 360° flips on the left
Short press the flips button, then push the right joystick to the left, and the plane will turn 360° to the left.

12.2 360° flips on the right
Short press the flips button, then push the right joystick to the right, and the plane will turn 360° to the right.

13. BLADE INSTALLATION

Please unscrew the screws to open the fan blades and the connecting parts as shown in the figure below. Remove the fan blades and replace them.
Make sure all propellers are installed in the correct orientation; if the installation is wrong, the aircraft will not be able to fly normally.
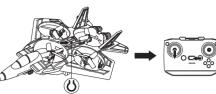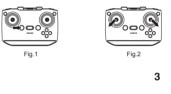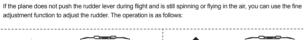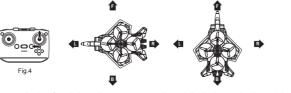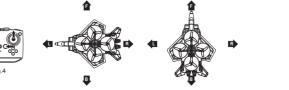
B   A   A   B

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14. TROUBLESHOOTING

Problems	Reasons	Solutions
No response to the plane indicator flicker	1.The plane and the remote are not successful 2.Low power	1.Re-frequency the plane and remote control(5.1) 2.Charge the battery(3)
The plane blades turn but can't fly	1.Insufficient battery power 2.Blade deformation	1.Charge the battery(3) 2.Replace blade(13)
The plane vibrates badly	Blade deformation	Replace blade(13)
Tweaked to the end but still can't smooth the plane	1.Blade deformation 2.Poor motor	1.Replace blade(13) 2.Replace the motor
The plane was launched again after the crash, but not stable	The sensor is out of balance because of the crash	After the aircraft is placed for 5-10 seconds, or by correcting the gyroscope, it will be fine(5.2)
One motor does not turn	Motor stuck	1. Clean up foreign objects rolled up by the blades 2. Gently dial the blade upwards, restart and correct the gyroscope and take off (5.2)

⚠ Special note: The product has a function of air pressure and height, but it does not have a fixed point effect. When it is not controlled in the air, the product will move slightly at the same height in the air.

15. SAFETY

15.1 Please ensure that the battery power is sufficient and the remote distance will be affected when the battery is low.
15.2 If the batter power is not enough, it will not fly high enough or take off
15.3 If the planes are broken and deformed, please repair them in time. If the rotors are broken and damaged, they will not fly, or they will cause injury
15.4 Please avoid crash or a serious collision, which can damage the plane or shorten the life of the Plane.

16. SPECIFICATIONS

Frequency: 2.4GHz
Remote Control Range: 60m
Play Time: Up to 7 Minutes
Charging Time: Up to 90 Minutes
Batteries:
Plane: 3.7V Li-po, 500mA (Included)
Remote: 3 x AAA (Not Included)
Hand Gesture: 2 x AAA (Not Included)
Dimensions: 300(L) x 220(W) x 75(H)mm

17. WARRANTY INFORMATION