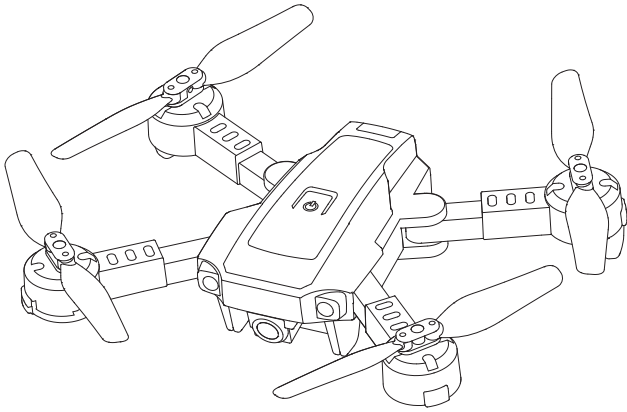


# GGBOND

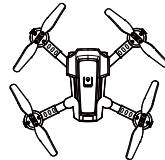
## G10 Operation Manual

(Suitable for wide indoor environments operation)

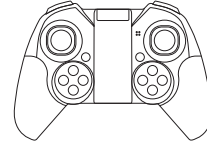


Suitable for 14 years old and above  
support@ggbondtoy.com

### 1. Package Contents



Drone X1



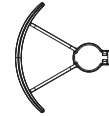
Controller X1



Battery X2



USB cable X1



Blades protector X4

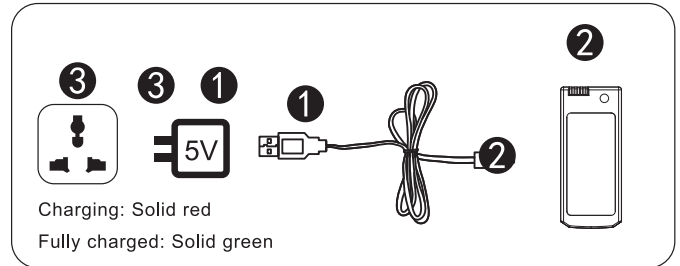


Backup Propellers X2



Screw driver X1

### 2. Charging



Charging: Solid red

Fully charged: Solid green

- \* When the drone's battery is low, there are continuous beeps from the controller and the drone's LEDs keep flashing.
- \* Please use the original battery and USB cable provided.
- \* Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire.
- \* It's not recommended to charge the battery from the USB port of PC.
- \* Flight time may be reduced when flying in low-temperature environments.

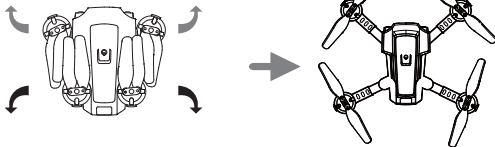


Note : Please full charge the battery before flying.

1

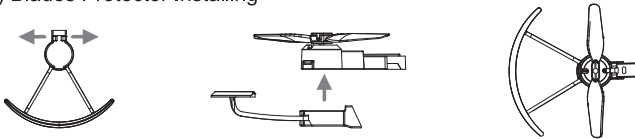
### 3. Install

(1) Open Up all 4 blades for the drone



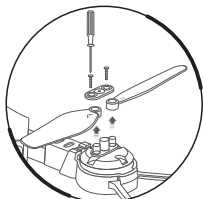
This aircraft is of folding structure, please make sure to open all four blades before taking off.

(2) Blades Protector Installing



Expand the buckle of the protector, and install it onto the drone wings.

(3) Replace the propellers when it's needed. (Optional)

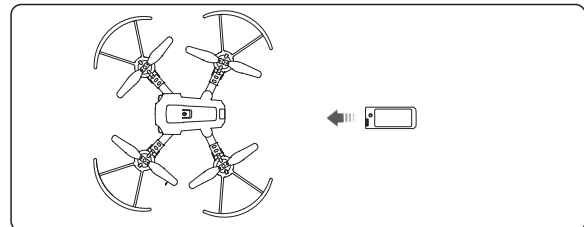


1. Loosen the screws, then remove the cap.
2. Take out the propellers.
3. Fit the spare propellers into the drone according to the mark (A/B) on them.
4. Install the cap and tighten the screws.

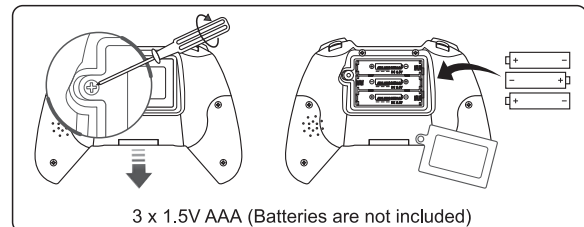
**Note:**  
Please do not overtighten the screws. Gently rotate the propellers by hand after installation to check if they are rotatable, if not, please loosen the screw and check again.

2

(4) Install the battery into the drone after it's fully charged.



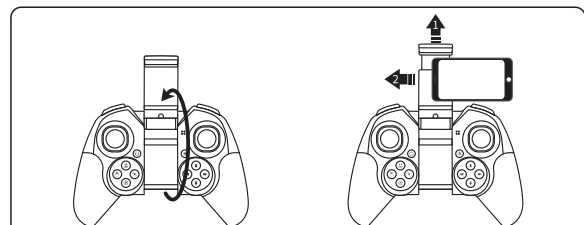
(5) Install the controller batteries.



3 x 1.5V AAA (Batteries are not included)

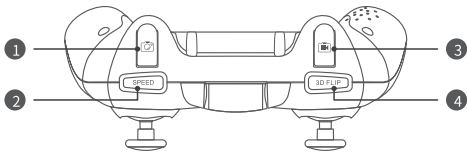
When the controller's battery is low, there are continuous beeps from the remote and its LED indicator keeps flashing.

(6) Unfold the phone clamp to place your mobile device.

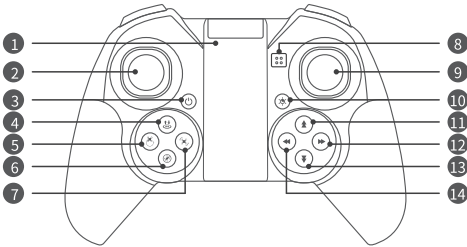


3

## 4. Remote Controller



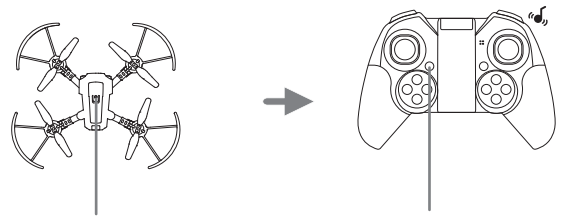
- 1 Photo
- 2 Speed Switch(short press)  
Emergency Stop(long press)
- 3 Video
- 4 360° Flip



- 1 Phone Clamp
- 2 Left Control Stick
- 3 ON/OFF
- 4 One Key Take-off/Landing
- 5 Circle Fly
- 6 Headless Mode(short press)  
One Key Return(long press)
- 7 High-speed Rotation
- 8 LED Indicator
- 9 Right Control Stick
- 10 Drone's LED Indicators  
ON/OFF
- 11 Forward Trim
- 12 Rightward Trim
- 13 Backward Trim
- 14 Leftward Trim

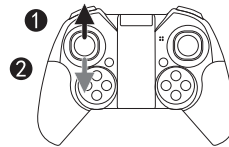
## 5. How To Fly

### (1) Switch On the Power



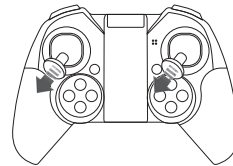
- 1 First power on the drone (Keep pressing for 2 seconds and place it on a flat ground or surface.)
- 2 Press and hold the ON/OFF button to turn on the controller; you will hear a beep from the controller and its LED indicator starts flashing.

### (2) Frequency matching



After turning on the drone, both indicator lights on the drone and controller will flash, then push the left throttle to the top, then down to the lowest, after 2 seconds, the indicators will go steady, that means the frequency matched successfully.

### (3) Compasses Calibration

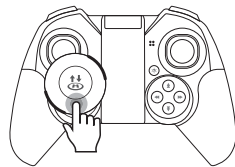


Move both control sticks to lower left at 45°; you'll hear a beep from the remote. Calibration completes when the LEDs of the drone turn to solid on from flashing.

### (4) Flight Instructions

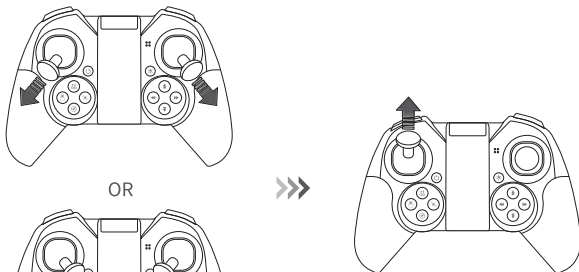
#### Take-off

Option 1:  
Press the button to take off.

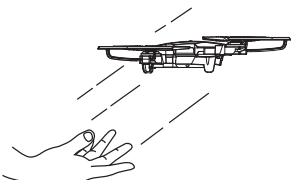


#### Option 2:

Simultaneously push the left Control Stick to lower left at 45° and the Right Control Stick to lower right at 45° (or push the left Control Stick to lower right at 45° and the Right Control Stick to lower left at 45°) until the four propellers start rotating, then slowly push the Left Control Stick forward to take off.



#### Option 3 Throw-to-fly function



After frequency matching and calibration finished, you can hold the aircraft in your hand, and then horizontally throw it out. The aircraft will automatically unlock the blades and fly in the air.

Note: It is better to operate the calibration step again after operating Throw to fly for several times. The function will be more stable.

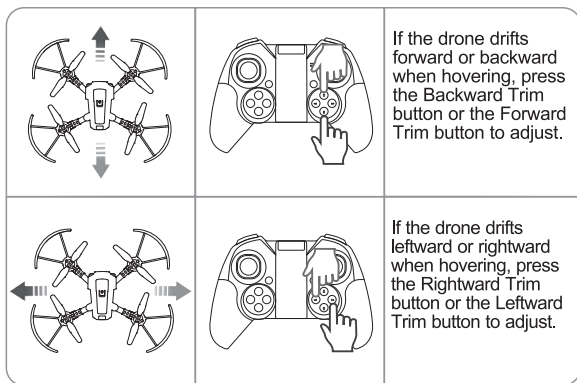
## 6. Using the Remote Controller

### Left Control Stick

		Push the Left Control Stick forward, the drone will ascend; pull it backward and the drone will descend.
		Push the Left Control Stick leftward, the drone will rotate to the left; pull it rightward, the drone will rotate to the right.

### Right Control Stick

		Push the Right Control Stick forward, the drone will fly forward; pull it backward, the drone will fly backward.
		Pull the Right Control Stick leftward, the drone will fly leftward; pull it rightward, the drone will fly rightward.



## ▶ FLIGHT OPERATION GUIDE

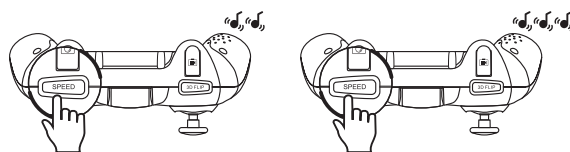
### ! IMPORTANT

- \* Make sure that you power on your drone first, and then the controller before each flight.
- \* Please repeat the pairing and calibration procedure each time while the drone or controller is restarted.
- \* For all flight functions and modes, the operator and tail of the drone must be aligned.

## 7. Aircraft Functions

### Speed Switch

The drone is set to low speed by default. Press the **SPEED** button once for Medium speed and there are two beeps from the controller. Press it again for High speed and there are three beeps from the controller.

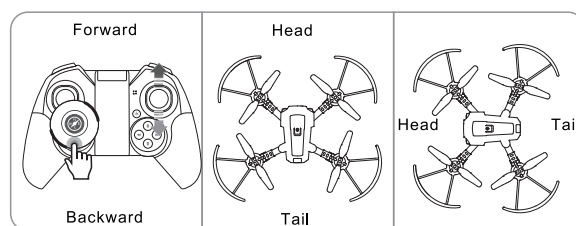


Press it the third time to get back to Low speed and there is one beep from the controller.

### Headless Mode

Short press the **Headless Mode** button to activate Headless Mode; LEDs on the drone start flashing.

In this mode, the drone will fly following the direction of the Right Control Stick regardless of the position of your drone's head or tail.

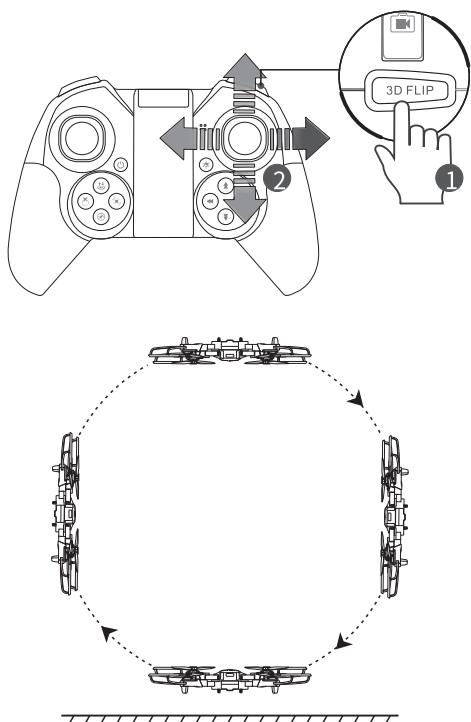


Standard Mode      Headless Mode

Press the same button to exit this mode; LEDs on the drone turn to solid on.

### 360° Flip

Fly the drone to a height over 2m, then press the **3D FLIP** button to activate 360° Flip function. Next, move the Right Control Stick to flip the drone accordingly.

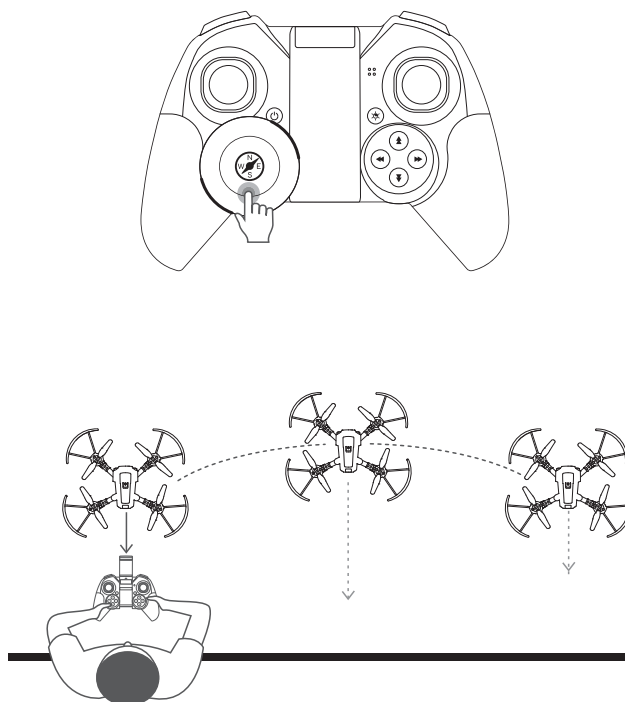


#### ▲ Note:


- \* There are continuous beeps from the remote when you activate this function. If you do not move the Right Control Stick about 5s after you press the **3D FLIP** button, the function will be cancelled and the remote will stop beeping.
- \* This function can't be activated when the battery of the drone is low.

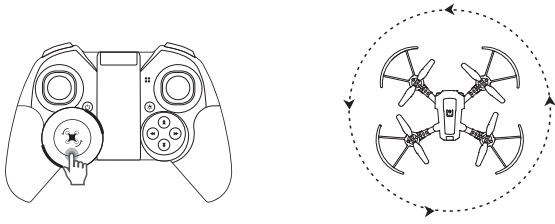
### One Key Return

Press and hold the **One Key Return** button, then the drone will fly toward its back following a path parallel to its original take-off path. The LEDs on the drone keep flashing when the drone is returning. Press and hold the **One Key Return** button again or move the Right Control Stick forward to cancel this mode, or the drone will keep flying back.




## High-Speed Rotation

Press the  button to make the drone rotate at high speed. Press the button again or move the Right Control Stick to any direction to exit this mode.

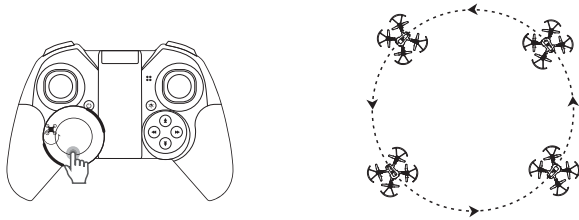


**Note:**  
This function can't be activated when the battery of the drone is low.

## Circle Fly

In the case of barrier-free within 5m radius around the drone, press the  button to fly the drone in a circle.

Press the button again or move the Right Control Stick to any direction to exit this mode.




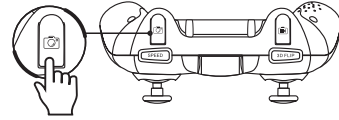
**Note:**  
This function can't be activated when the battery of the drone is low.


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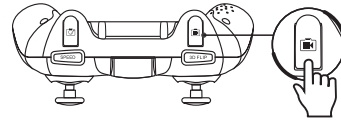
## Photo / Video

Please connect the drone to your mobile device first, then go to the 'Media' in app Home Page or your album file of the device to check your photos and videos.

Press the  button to take a photo.



Press the  button to start recording a video; press it again to stop recording and save the video.




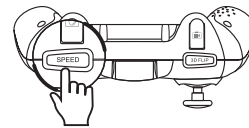
**Note:**  
It's NOT recommended to use this function during normal flight for landing, which may result in serious damage for your drone.

## Altitude Hold/Hover

This is one of the default settings of the drone. When you release the Left Control Stick after an ascent/descent action, the drone will hover at the current flight height. For a stable flight, press the trim buttons to adjust accordingly.

## Emergency Stop

Press and hold the  button, then the drone will stop in the air and fall.



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## 8. Aircraft Parameters

Length of main wing:	83mm
Aircraft:	98X120X33mm
Total weight:	54g±2g
Battery:	3.7V 380mAh
Charging time:	About 50 mins
Flight time:	7-8 mins
Gyroscope:	built-in
Working temperature:	-10°C to 40°C
Remote controller:	2.4G
Motor:	7*16 4pcs

## Remote Controller Parameters

Wifi Transmission Range :	30-40 meters
(in a wide open area with no electromagnetic interference)	
Working frequency:	2.4G
Battery:	3xAAA

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## 9. FAQ

	ISSUES	CAUSE	SUGGESTIONS
1	After the battery is inserted in the drone, indicator lights on drone keep flashing, no response to operations	Frequency matching between controller and receiver is not successful.	Reoperate the frequency matching for controller and drone (please refer to P.4 for details)
2	No response after battery is inserted in the drone	1. Check if the power for controller and drone is fully charged. 2. Connection of the poles are not good	1. Open the remote battery case and make sure the battery is inserted in right position 2. Use a fully charged battery 3. Reinstall the battery and confirm whether it is of good connection with the poles .
3	Motor does not run when operating the throttle stick and the indicator lights on drone keep flashing	Power for the Li-Poly battery is not enough	Charge the battery or replace it with a full-charged battery
4	Main motor blades spin but the drone won't fly	1. Some of the blades have been deformed 2. Battery power is not enough	1. Replace the main blade 2. Charge the battery or replace it with a fully charged battery

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# 10. Battery Using Attention

## Matters needing attention

- (1) Rechargeable batteries are to be removed from the toy before being charged.
- (2) Non-rechargeable batteries are not to be recharged.
- (3) Rechargeable batteries are only to be charged under adult supervision.
- (4) Only used to charging 2S Li-ion or Li-polymer battery pack. if not, the charger or battery may be damaged .
- (5) During charging, the charger should be put in dry and ventilated place and far away from heat source and inflammable and explosive substance.
- (6) Never immediately charge your battery pack as soon as the flight is finished, or when its temperature doesn't cool down. Otherwise the battery will take a risk in swelling, even a fire.
- (7) Ensure the correctness of polarity before connection the battery to charger.
- (8) Avoid drop and violence during the process of charging. drop and violence will result in internal short circuit of the battery.
- (9) For the sake of safety, please use original charging equipment and battery pack . please change new one in time when the flying time is becoming shorten due to long time usage .
- (10) If it is retained in the charger for a long time after saturated, the battery may automatically discharge. When the charger detects that the voltage of individual cells is lower than the rated voltage, it will re-charge until saturated. Frequently charging and discharging will shorten the lifetime of your battery pack. It is advised that please cut off the power and took off the battery after the charging is saturated.

## Maintenance of battery pack

- (1) The battery pack should be put in dry and ventilated place. The storage temperature of environment is ranged from 18°C to 25°C.
- (2) Please avoid frequent charging and excessive discharging the battery pack in order to prolong its life cycle.
- (3) It is a must to maintain the battery pack before long-term storage. That is to charge the battery to the level of 50-60% saturation.
- (4) If the storage term is over 1 month, it is advised to monthly check the voltage of every cell of the battery pack. The voltage of every cell should be not less than 3V. Otherwise, please refer to the above article (3) .
- (5) From the view point of protection, new battery pack should be motivated before usage. That is to charge and discharge 3-5 times, but discharge is not less than the level of 70% saturation. This process will make the battery lifetime longer and voltage more stable.

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# SAFETY AND PRECAUTIONS



Remote-control models of quadcopter are dangerous merchandise. Their flight must be operated away from the crowd. Such factors as man-made improper assembly or mechanical damage, poor control of the electronic equipment, as well as the unfamiliar manipulation may lead to unexpected flight accidents, such as uncontrolled flight and aircraft damage. Users are advised to pay attention to the flight safety and understand that they are held responsible for any accident caused by negligence.



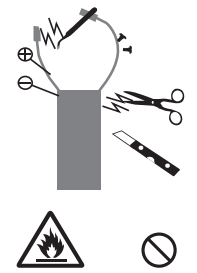
**Special drone for Indoor and outdoor should stay away from barriers**

This product is a remote-control drone, that suitable for indoor using and outdoor environments (the outdoor wind power less than Force 2). To fly this drone, please choose appropriate obstacle-free indoor and outdoor sites with proper distance kept from the crowd or pet animals. Please don't operate the product in any unsafe environments, such as places of heat, wires, power supply, etc., so as to prevent the quadcopter from the risks of fire and electric shock resulting from collision, ditching, and entangling of the drone.



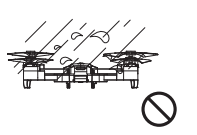
**Safe usage of the lithium battery**

Lithium batteries are more dangerous than others. Be sure to read carefully and follow the following precautions before using it. We will not be held responsible for any damages caused by any improper use of the battery. To avoid the danger of explosion or fires, it is forbidden to use other chargers than the one made by our factory. Such actions done to the battery as impact, dismantling, reverse connection of the positive and negative poles, and burning are forbidden. Avoid metal objects from contacting the positive and negative poles of the battery, which may cause short circuit. Please prevent sharp items from piercing the battery, and avoid the risk of battery fire. Please be careful when charging the battery. Make sure that the battery is charging within your sight. Keep it out of the reach of young children so as to avoid dangers. Don't charge the battery when the battery is heated after use. Otherwise, it may cause the battery to expand, change, explode or even catch fire, threatening the safety of life and property. To dispose of the battery, please recycle the battery in strict compliance with the waste disposal laws and regulations of local countries or regions in order not to pollute the environment.



**Away from moist environments**

The interior of the aircraft is also composed of many sophisticated electronic components so it must absolutely be kept away from moisture or water vapor. Don't operate the aircraft in the bathroom or on rainy days; otherwise water vapor may get inside of the aircraft and cause mechanical parts and electronic components to malfunction leading to expected accidents.



**Never misuse the product**

Please do not disassemble or modify the product. For any upgrade, repair or maintenance, please use the parts specified in our catalog to ensure the safety of the structure. Please make sure the product is used within the limits of operation. Don't overload the product, and don't use it in any other illegal ways than prescribed by safety concerns and laws.



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**Safe usage of the battery**

Batteries are to be inserted with the correct polarity. The supply terminals are not to be short-circuited. Different types of batteries or new and used batteries are not to be mixed. The exhausted batteries are to be removed from the toy. For long time storage, please take them out to prevent battery leakage. Please dispose abandoned batteries in accordance to the laws and regulations of the corresponding region to prevent pollution to the environment.



**Keep away from source of heat**

The aircraft is mostly made of PA fiber or polyethylene as well as other main materials for electronic products. Therefore, it must be kept from the source of heat and exposure to sunlight so as to avoid possible damage of deformation or even meltdown due to high temperatures.



**Never operate the product alone**

This product is suitable for users over 14 years old. Since the remote-control quadcopter may pose a certain degree of difficulty for learners at the beginning, it is recommended for it to be operated under the guidance of experienced people for the sake of safe flight.



# GGBOND

support@ggbondtoy.com

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NOTE: 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

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



