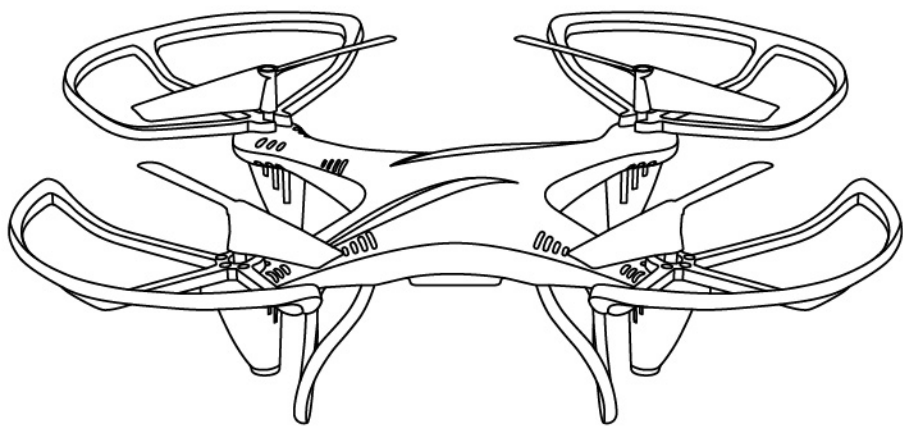


2.4GHZ

ITEM NO.RC128



6 CH REMOTE CONTROL QUAD COPTER

INSTRUCTION MANUAL

Key features of quadcopter

- Four-axis structure makes the quadcopter more flexible and rapid when flying.
- Built-in 6 axis gyroscope for precise hovering in the sky.
- Simple modular design makes changing parts easy.
- With 360° 3D eversion and throwing flight function.

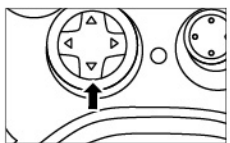
The materials and specification mentioned in this instruction manual or the parts inside this package are for reference only.

BATTERY REPAIR & MAINTENANCE

1. Battery should be put in the dried or ventilated place with environment temperature about 18-25 °C.
2. In order to enhance the using life of the battery, please avoid repeat charging or excessive discharging.
3. When the battery needs to be stored for a long time, please charge the battery first. That is to say, charge the battery for about 50-60 % of the volume and then well store it.
4. If you do not use it for more than 1 months, it's highly recommended that you need to check the battery voltage every month so as to make sure the voltage no less than 3V. Otherwise please do by following No. (3) mentioned.

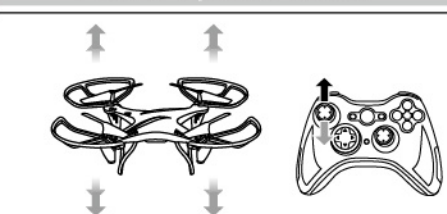
controller modes & instructions

In order to adapt for more plays' operating habits, our controller sets three different speeds: Low/Medium/High Speed can be changed by pushing down button "5".



Operating direction

Hover up and down



Push the throttle up or down, the quadcopter flies upward or downward.

Turn Left and Right



Pull the throttle left or right, the quadcopter turns to left or right.

Fine-tuning operation

Forward/Backward fine-tuning



When the quadcopter keeps flying forward / backward, you can correct it by pressing fine-tuning button down / up.

Sideward fly fine-tuning



When the quadcopter keeps flying to left / right side, you can correct it by pressing the Fine-tuning button right / left.

Turn left/right fine-tuning



When the quadcopter keeps turning to left / right, you can correct it by pressing the fine-tuning button right / left.

PREFACE

Dear Customers:

Thank you for purchasing our flying model. Please read this instruction manual carefully in order to master the skill more quickly and operate this product more safely. In the mean time, please well keep the original of this instruction manual for future reference.

IMPORTANT INSTRUCTION

1. This product is not a toy but a precise equipment than integrating mechanics and electronics with expertise of aerodynamics and high-frequency transmitting. It requires to be correctly assembled and debugged so as to prevent the accident from being happened. The product owner should operate or control it in safe way. Please noted that we won't take any responsibility for any wrong operation as this may result in severe injury or loss of property and we can not control the operating process during the time when the user assemble or use this product.
2. This product is suitable to be used by people who has operating experinecie in flying model or age no less than 14 years old.
3. The flying ground we required should be the local field and legal for remote control flying.
4. Once this product is sold, we won't be responsible for any safety responsibility during the time the user operates or uses or controls this product.
5. If there is any problem occurred during the time of using, operating or repairing, please reach our sales agent for details. The sales agent that we authorized will provide you with the technical support and after-sale service.

SAFTY & CAUTIONS

This R/C flying model is a high dangerous commodity. Please make sure that it should be fielf far away from the crowd. Please also pay more attention to the phenomenon such as incorrect assembly or damaged model or incorrect connection of electronic control equipment. Please also pay attention to the flying safety when operating and know more about the accident that may be happened due to your own negligence.

1. Keep it far away from the barrier or crowd.
2. Keep it far away from the moisten environment.
3. Use this product correctly and avoid operating by your own.
4. Keep it far away from the high-speed rotating part and heat source.
5. Please conform to the sequence of power ON/OFF. As the picture below shown, incorrect sequence of power ON/OFF may cause this product out of control and affect your own safety or others. Please form a good habit of switching on or switching off this product correctly.

CONTENTS

- Quadcopter
- Transmitter
- Main blades
- Li-Poly battery
- Instruction manual
- USB Charging Cable
- Screwdriver



INTRODUCTION TO QUADCOPTER FUNCTIONS

Low-voltage protection:

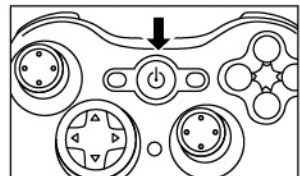
When the quadcopter battery is not enough, the rotors will be stopped power supply. As the quadcopter control system will protected battery automatically.

Over-current protection:

When the quadcopter's rotating blade is collided or jammed, the control system will stop supplying power for the rotors automatically. Then please re-match the signal for flying.

Restart function:

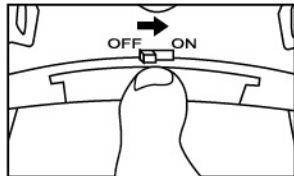
In case of flight disorder or sideward flight, restore factory default settings by the following methods:



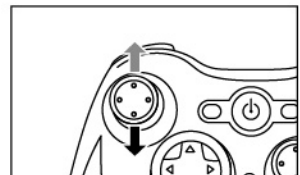
①. Press the power switch to turn on the transmitter.



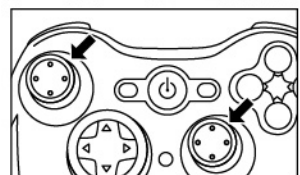
②. Connect the battery to the battery port of quadcopter.



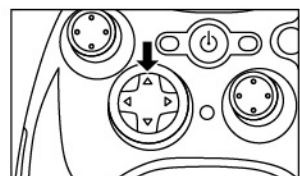
③. Press the power switch to turn on the quadcopter.



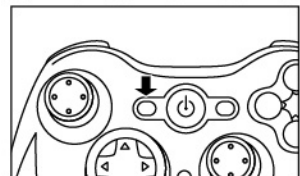
④. When the quadcopter indicator quickly flashing to slowly flashing, please push the throttle lever to the highest position, and then pull it back to the lowest position. Then the quadcopter indicator changed from slowly flashing to normal lights up.



⑤. Place the quadcopter on a horizontal position, then push transmitter both left and right lever to lowest left corner for about 2-3 second, indicator on the quadcopter changed from normal lights up to quickly flashing. After 2-3 second, the indicator changed to normal lights, it means the quadcopter restarted / reset successfully.



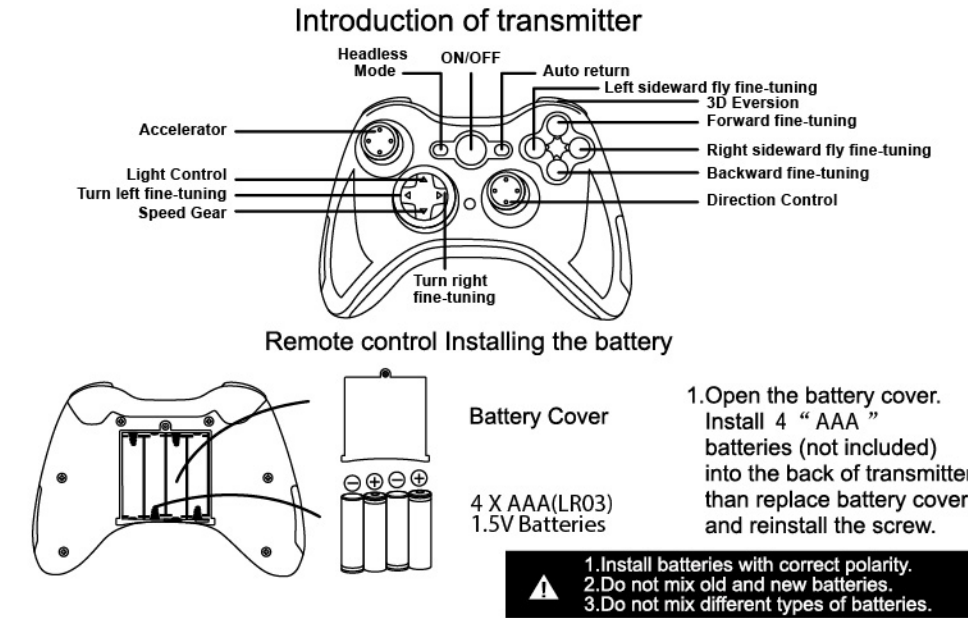
Light Control Function: The LED light on the product can be controlled by pushing up button "5". Push up this button at the first time, the light will be on. Push up again this button, the light will be off.



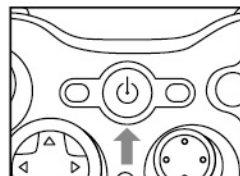
Headless Mode Function:

Under normal control mode, player needs to discriminate front and back of the aircraft, then control forward and backward. RC108 model equipped with headless mode, which is much easy for control. When headless mode was turn on, whatever which orientation the aircraft are, direction is decided by the direction you place when you turn on the quadcopter. How to turn on the headless mode: Press down the left lever, the headless mode will be turn on, press down again the left control lever, the headless mode will be turn off.

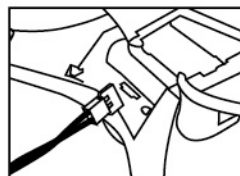
GET TO NOW YOUR TRANSMITTER



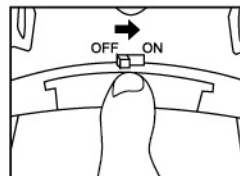
READY TO FLY YOUR QUADCOPTER



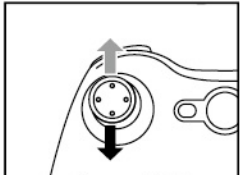
Step1: Open the battery cover and insert the battery into power port.



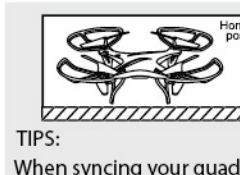
Step2: Connect the battery and quadcopter, then close the battery cover.



Step 3: Close the battery cover and turn on the quadcopter.



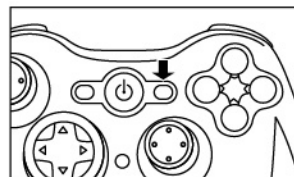
Step4: Push the throttle lever to the highest position, and then pull it back to the lowest position. There will be one clear sound from the transmitter, this shows that the quadcopter has entered into the pre-fly state.



TIPS: When syncing your quadcopter keep it in a horizontal position to start to a stable flight.

CAUTIONS:

1. When the indicator of transmitter keep light on but the indicator of quadcopter is blinking slowly, it means signal matching was not successful. Please turn off the power both of transmitter and quadcopter than restart the transmitter and quadcopter.
2. If the quadcopter is still flying to on side dramatically or spinning while hovering, please switch off the power of both the quadcopter and transmitter and then repeat the pre-flying steps.



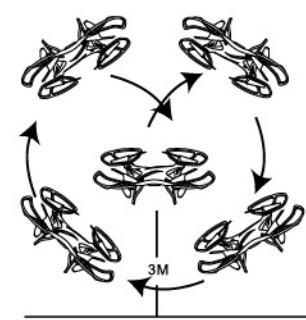
Auto-return function:

When you want the aircraft to auto-return, please drive your aircraft in front of you, and press down the right control lever at once, when aircraft flying back, please keep controlling the up and down stick.

3D EVERSION AND THROWING FLIGHT INSTRUCTIONS

When you are familiar with the basic operation, you can do some awesome & exciting tricks and stunts!

First of all, fly the aircraft to a height of more than 3 meters, press the 3D Eversion switch on the rear right side of the transmitter, then push the right rudder (in any direction) to make 360° degree flip.



Tips:

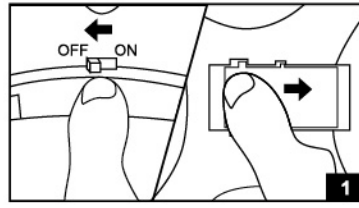
3D eversion goes better when batterypower is enough.

TROUBLE SHOOTING

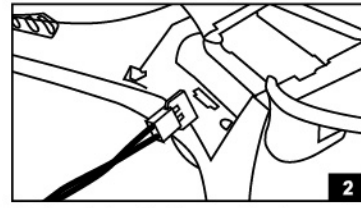
Problem	Reason	Solution
No response from the quadcopter	1. Quadcopter battery power not enough; 2. Transmitter battery power not enough;	1. Charge the quadcopter; 2. Charge or replace them if required;
If the quadcopter is slow to responce or difficult to Maneuver	1. Insufficient power with the transmitter; 2. Transmitter of the same frequency is used nearby.	1. Replace the battery; 2. Use the helicopter out of the range of other RC quadcopter.

3. When the indicator of the quadcopter keeps flashing slowly, it means that the quadcopter has entered into the low battery state. This time you need to charge the quadcopter with the USB cable provided.

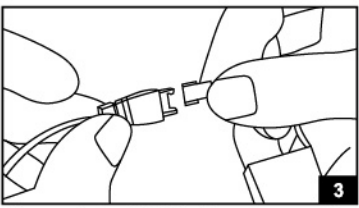
Change battery of quadcopter



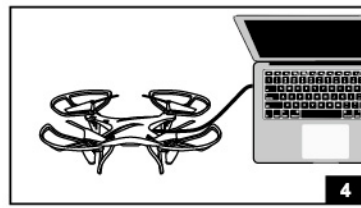
1. Push the on/off switch of quadcopter to OFF position than open the battery cover



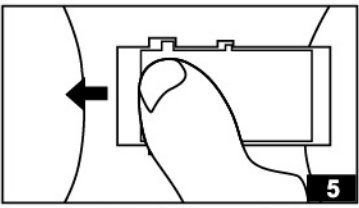
2. Pull out the battery wire from the power port.



3. Take out the USB charging cable, and insert the battery power port to the small end of it (Make sure the ports connect tight and correct).



4. To charge battery, please insert the USB port of provided USB charging cable to anyone USB port of computer. The indicator on USB cable will light OFF during charging battery, then it will light ON when battery fully charged. Caution: When using the computer for charging, please remember to pull out the charging cable before shutting down the computer. Take the battery cover, and close the battery cover on the quadcopter.



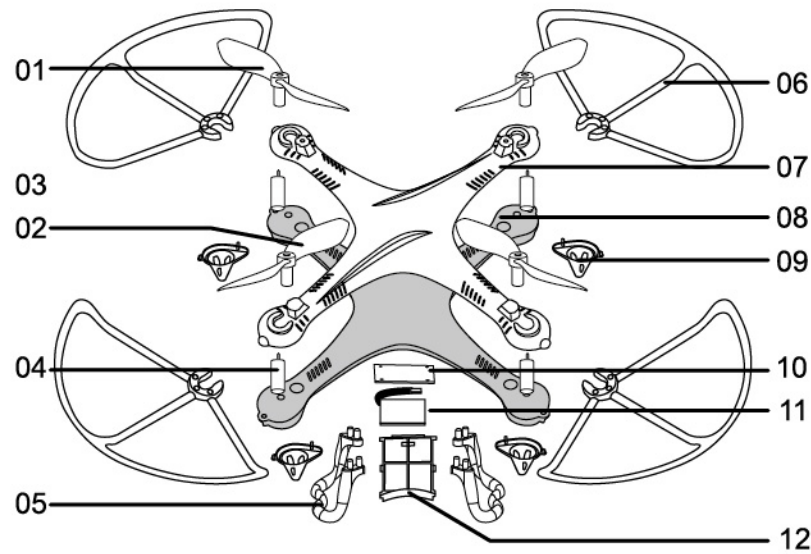
5. Reconnect the battery wire to power port than close the battery cover.

Charging time: about 40 minutes - Flying time: about 6-8 minutes!

CAUTIONS WHEN CHARGING

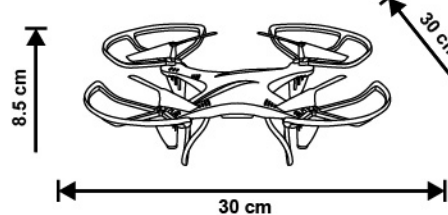
1. When charging, please put this product on a dried or ventilated area and keep it far away from heat source or explosive product.
2. When charging, please remove the batteries from the quadcopter. Then charging process should be supervised by an adult so as not to cause an accident.
3. After flying, please do not charge the battery if the surface temperature is still not cool. Otherwise it may cause a swollen battery or even a fire hazard.
4. Please make sure that you use the original USB charging cable provided. When the battery has been used for a long time, or appears to be swollen, please replace them.
5. A battery when not in use for a long time will lose its charge automatically. Charging or discharging too often may reduce the life of the battery.

BREAKDOWN & DIAGRAM



Code	Description	Quantity	Code	Description	Quantity
01	Blade A	2	07	Upper Frame	1
02	Blade B	2	08	Lower Frame	1
03	Motor A	2	09	Gear Cover	4
04	Motor B	2	10	PCB	1
05	Skid	2	11	Battery	1
06	Protector	4	12	Battery Door	1

Main parameter



Body length: 30cm
Body width: 30cm
Body high: 8.5cm
Main motor code: Ø 7
Battery: 3.7V 380 mAh Li-poly

SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.



§ 15.19 Labelling requirements.

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.

§ 15.21 Information to user.

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

§ 15.105 Information to the user.

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.