



14+

# **D360** *GYRO REMOTE CONTROL SERIES*

**2.4G** 

**4CH 2.4G REMOTE CONTROL QUADCOPTER**



BC

## **1 USER MANUAL**

OPERATING STANDARDS: GB/T26701-2011

### **MAIN FEATURES**

- Utilises the 4-axis structure, enabling the aircraft to be even more flexible, speedy, and possessing a relatively stronger wind-withstanding capability. Also it can conduct flights in interior as well as exterior environment.
- A 6-axis gyro direction stabiliser is built-in, ensuring precise positioning in the air.
- The structure uses modular designs, making installation simple and repair and maintenance easier.
- Capable of 360° 3D overturning function and fling-flying function.

## **Safety guide**

1. Please store the smaller-sized aircraft accessories in places that are out of reach from young children in order to avoid the occurrence of accidents.
2. This aircraft is very powerful. For all first-time flight, it shall be observed that the left gear shift joystick must be slowly pushed in order to prevent the aircraft from ascending too quickly and result in unnecessary collision and damages.
3. When the flight is ended, the power supply of the remote control shall first be switched off, and then, followed by the switching off of the power supply of the aircraft.
4. Avoid placing the batteries in places with high temperatures and exposure to heat (for example, naked light or electrical equipment installations).
5. Take extra precaution to ensure that the aircraft is at a distance of 2 to 3 metres from the user or other people in order to prevent the aircraft from colliding into the head, face or body, etc. of other people during landing.
6. When young children are operating the aircraft, it shall be ensured that the adults are guiding and making sure that the aircraft control is within the viewing range of the controller (or instructor) such that it makes the control very convenient.
7. Non-rechargeable batteries are prohibited for recharging. When installing or changing the batteries, please take extra care on the polarities of the batteries; mixing new and old batteries or different types of batteries are strictly disallowed.
8. When the aircraft is not in use, it shall switch off the power supplies of both the aircraft and the remote control, and remove the batteries in the remote control.
9. The power supply terminals cannot be short-circuited.

## Package description

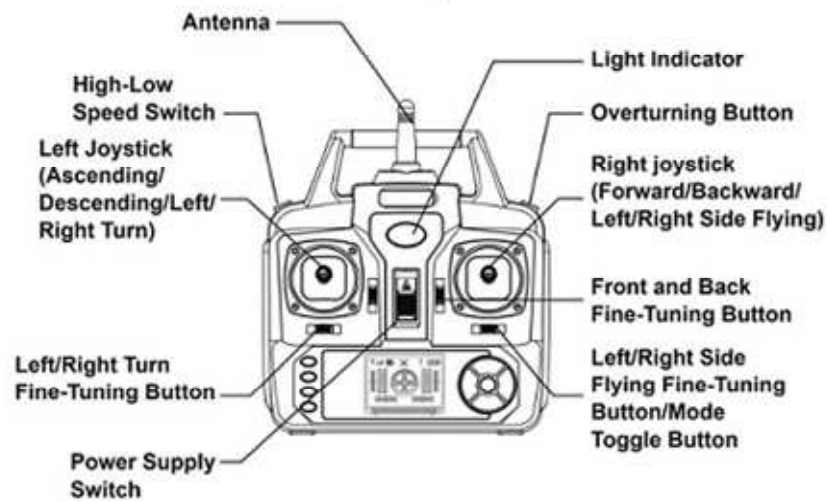
The following items can be found in this product package:

- Aircraft
- Remote Control
- Foot Stand
- Instruction Manual
- Protection Gear
- USB Cable

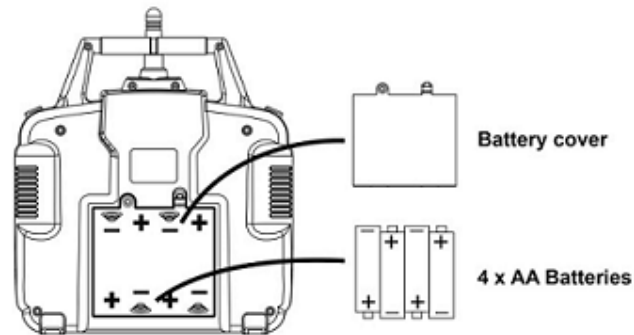


## Understanding your remote control

Remote control's button function description:



**Battery installation for remote control:**



1. **Battery installation method:** Open up the battery cover at the back of the remote control. Correctly place 4 x AA alkaline batteries in the battery box in strict adherence to the polarity instructions (the batteries are optional).

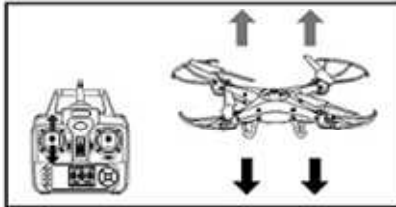


1. During the battery installation, it must be ensured the polarities of the batteries are matched with that of the battery box. No battery shall be installed with the opposite polarity.
2. Please do not use new and old batteries together.
3. Please do not use different types of batteries together.

## Aircraft controlling diagram (Mode 1 and default mode upon start-up)

### Operating direction

#### Ascending and descending control



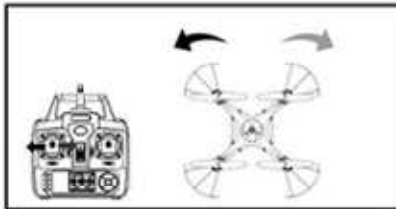
When the left joystick (Accelerator) is pushed upwards or downwards, the aircraft will ascend or descend correspondingly.

#### Forward and backward control



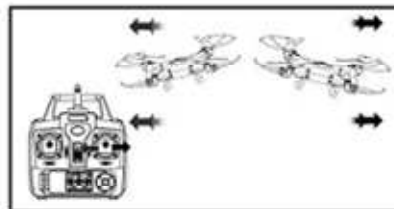
When the right joystick (Turning Rudder) is pushed upwards or downwards, the aircraft will advance forward or backward correspondingly.

#### Left turning and right turning control



When the left joystick (Accelerator) is pushed towards the left or right, the aircraft will turn left or right correspondingly.

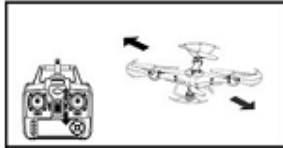
#### Left side flying and right side flying control



When the right joystick (Turning Rudder) is pushed towards the left or right, the aircraft will fly sideward on the left or right correspondingly.

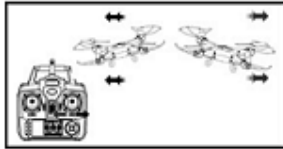
## Fine-tuning operation

### Forward and backward fine-tuning control



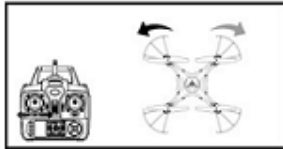
When the aircraft is hovering in the air, in the event that the aircraft is automatically advancing forward or backward, it can be rectified by pressing downwards or upwards the fine-tuning button correspondingly.

### Left/right side flying fine-tuning control



When the aircraft is hovering in the air, in the event that the aircraft is automatically flying sideward on the left or right, it can be rectified by pressing right or left on the fine-tuning button correspondingly.

### Left/right side turning fine-tuning control

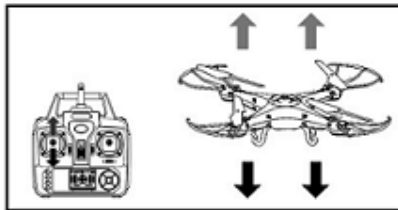


When the aircraft is hovering in the air, in the event that the aircraft is automatically turning left or right, it can be rectified by pressing right or left on the fine-tuning button correspondingly.

## Aircraft controlling diagram (Mode 2)

### Operating direction

#### Ascending and descending control



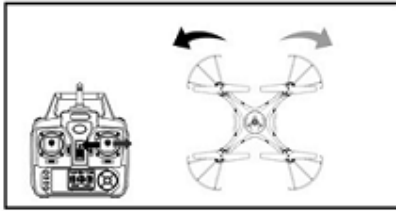
When the left joystick (Accelerator) is pushed upwards or downwards, the aircraft will ascend or descend correspondingly.

#### Forward and backward control



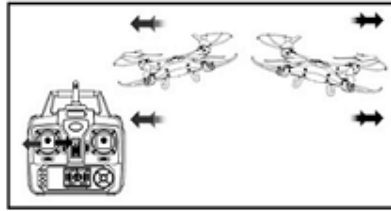
When the right joystick (Turning Rudder) is pushed upwards or downwards, the aircraft will advance forward or backward correspondingly.

#### Left turning and right turning control



When the right joystick (Turning Rudder) is pushed towards the left or right, the aircraft will turn left or right correspondingly.

#### Left side flying and right side flying control



When the left joystick (Accelerator) is pushed towards the left or right, the aircraft will fly sideward on the left or right correspondingly.

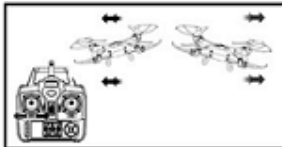
### Fine-tuning operation

#### Forward and backward fine-tuning control



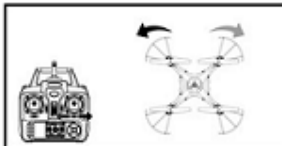
When the aircraft is hovering in the air, in the event that the aircraft is automatically advancing forward or backward, it can be rectified by pressing downwards or upwards the fine-tuning button correspondingly.

#### Left/right side flying fine-tuning control



When the aircraft is hovering in the air, in the event that the aircraft is automatically flying sideward towards the left or right, it can be rectified by pressing right or left on the fine-tuning button correspondingly.

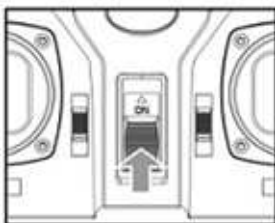
#### Left/right side turning fine-tuning control



When the aircraft is hovering in the air, in the event that the aircraft is automatically turning left or right, it can be rectified by pressing right or left on the fine-tuning button correspondingly.

## Flight preparation

### I. Flight preparation



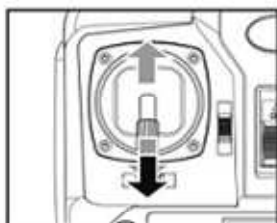
**Step 1:** Open up the power supply switch of the remote control.



**Step 2:** The battery cover is open, and connect the battery connector with the power supply connection interface.



**Step 3:** Switch on the aircraft's switch at the top area.



**Step 4:** 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.

## Product features

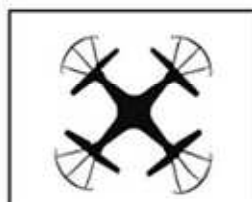
### I. Low-voltage protection:

When the four light indicators of the aircraft are blinking, it means that the power supply of the aircraft is weak. Please immediately control the aircraft and place it on a return flight.



### II. Overcurrent protection:

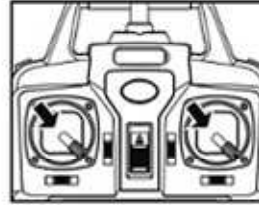
When the aircraft encounters direct impact from foreign object or is stuck under the circumstances in which its blades are rotating, the electric circuit of the aircraft will enter into the overcurrent protection mode.





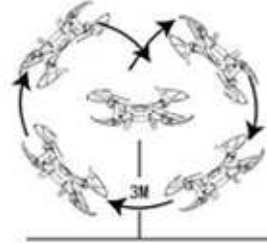
### III. Level calibration function:

Place the aircraft on a levelling surface and at the same time, push both left and right joysticks to the lower right corners and stay there for 2 to 3 seconds; the normal light indicator on the aircraft will blink rapidly, and it will return back to the normal status after about 2 to 3 seconds. The level calibration is successful.



### IV. 3D overturning function:

When you are familiarised with the basic actions, you can proceed to explore even more exciting and risky overturning actions. Fly the aircraft to a height of above 3 m from the ground, press against the upper right corner button (Overturning Button) on the remote control and simultaneously push the right joystick to the highest level of Front/Back/Left/Right, the aircraft will now be executing the Front/Back/Left/Right overturning function.



**Note:** When the batteries are fully charged, it will have the best overturning effect.

### V. Fling-flying action Instructions:

As the aircraft uses 6-axis gyro, it greatly increases the fun factor. Fling the aircraft outwards or overturn it upwards with a simultaneous stepping on the accelerator joystick, the aircraft can stop in the air in a steady manner.



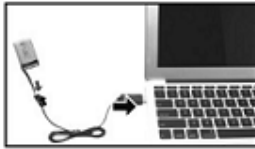
## Battery changing and charging methods for aircraft



1. The battery cover is open.



2. Disconnect the connection joint of the battery from the connection interface of the power supply.



3. Connect the power supply line of the battery with USB, and connect the USB interface with the computer's connection port (During charging, the light indicator will light up; and the light indicator will go off when it is fully charged. The completion time for charging the battery is less than 80 minutes).



4. After changing the batteries, firmly secure the battery cover again.

**The charging time is less than 80 minutes; In hover flight conditions longer than 5 minutes!**

**Precautions as follows during charging of battery:**

- Avoid placing the active batteries in places with direct exposure to sunlight and high temperatures, for example, naked light or electrical equipment installations; otherwise it may cause damages or explosions.
- Avoid immersing the batteries in the water. The batteries shall be stored in a cool and dry place.
- Avoid dismantling the batteries.
- During the charging of battery, avoid leaving the charging place.

**Rectification procedures**

Problem	Reason	Solution
The aircraft has no response	<ol style="list-style-type: none"> <li>1. The aircraft has entered into lowvoltage protection.</li> <li>2. When the power of the remote control is weak, the power light indicator will blink.</li> <li>3. The channel selection of the remote control does not match with the aircraft's coding.</li> </ol>	<ol style="list-style-type: none"> <li>1. Charge up the aircraft.</li> <li>2. Change the batteries of the remote control.</li> <li>3. Adjust the channel of both the remote control and aircraft such that they are in synchronized mode.</li> </ol>

Problem	Reason	Solution
The flight response of the aircraft is not sensitive	<ol style="list-style-type: none"> <li>1. The power of the remote control is weak.</li> <li>2. There is an interference with the same frequency as that of the remote control.</li> </ol>	<ol style="list-style-type: none"> <li>1. Change the batteries.</li> <li>2. Change to a place where there is no interference with the same frequency.</li> </ol>
The aircraft is flying towards its side in one direction during hovering	<ol style="list-style-type: none"> <li>1. The aircraft is not calibrated level to the ground.</li> </ol>	<ol style="list-style-type: none"> <li>1. Re-adjust the calibration until the aircraft is level to the ground. For further details, please refer to Point III of Page 08 (Level Calibration Function).</li> </ol>

### Accessories (Optional)

You can choose your favourite optional accessories as below. In order to make it easier for the customers to choose and purchase, we have specially offered each and every accessory. The accessories can be purchased through the local distributors. Please kindly specify the colours during your purchase.



D360-01  
Upper main Body



D360-02  
Lower main Body



D360-03  
battery cover



D360-04  
Rotor Blade



D360-05  
Protection Gear



D360-06  
Foot Stand



D360-07  
Motor holder



D360-08  
Lamp Cover



D360-09  
Motor A (Red and blue lines)



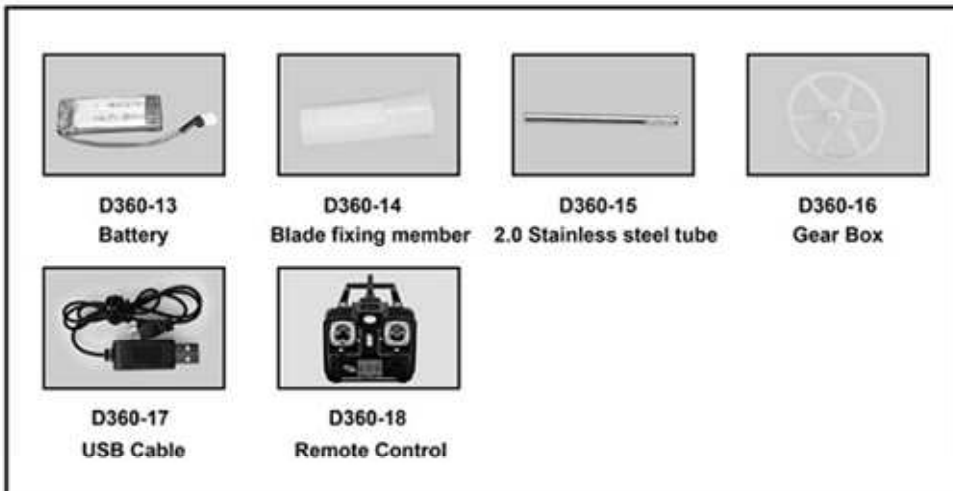
D360-10  
Motor B (Black and white lines)



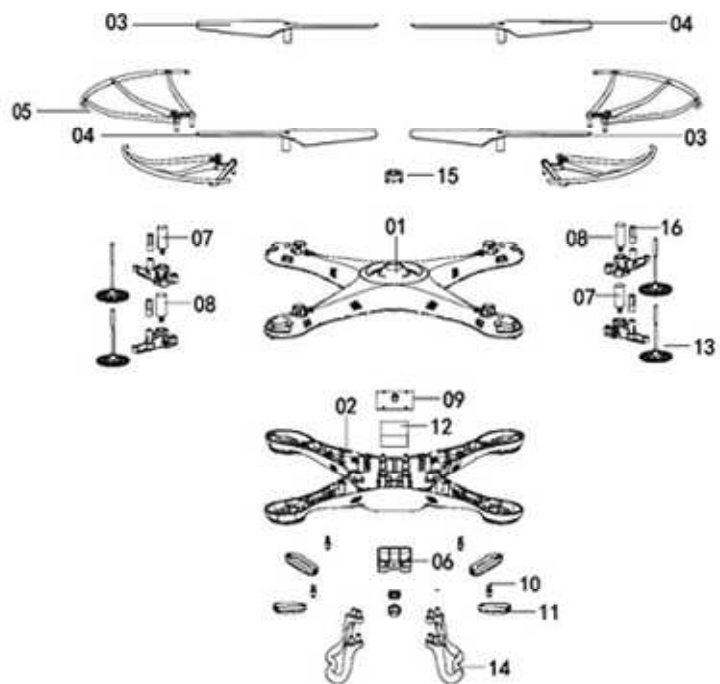
D360-11  
Light Bar



D360-12  
Receiver Board



## Product descriptions



NO.	Product Name	NO.	Product Name
01	Top Main Body	09	Circuit Board
02	Bottom Main Body	10	Light Bar
03	Main Blade(Clockwise Direction)	11	Lamp Cover
04	Main Blade(Anti-clockwise Direction)	12	Battery
05	Protective Gear	13	Gear Box
06	Battery Cover	14	Foot Stand
07	Main Motor(Clockwise Direction)	15	Power button
08	Main Motor(Anti-clockwise Direction)	16	Blade fixing member

**Main specifications**

**Aircraft's Length:315mm**    **Aircraft's Width:315mm**  
**Aircraft's Height:105mm**    **Motor's Model: Ø7**  
**Battery: 3.7V/300mAh lithium battery**



SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.

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

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.

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.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation

is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi