

### Important statement

- This Drone is only suitable for children over 14 years old. For beginners, it is recommended to practice under the guidance of experienced one.
- The Drone's blades revolve at high speeds and can cause damage to the users, spectators and animals. Stand away from the drone to reduce the risk of getting hurt.
- Factory is not responsible for any accidents during flight.
- Any questions for operating/repairing, please contact local after-sale service.

**Caution:**

- Checking the surroundings before flying.
- Do not let the Drone fly out of your sight.
- Parental supervision recommended when flying the Drone.
- Please make sure no other player is using the same frequency as yours.

**Warning**

- Please check the charger, wire, plug, shell and parts regularly. Once damaged, please replace before flying.
- Please always use the original charger provided by factory.
- Please always turn off the controller and unplug Drone power while clean the product.
- Parental guidance is recommended when installing or replacing the batteries.
- Batteries or battery packs must be recycled or disposed properly.
- Turn off the controller and unplug Drone power when not in use.
- Please do not walk or run on the Drone and controller.
- Please keep and read this instruction manual carefully.

### Standard components

### Name of components

No.	Name	Quantity
1	Reverse blades	2
2	Positive blades	2
3	Upper shell	1
4	Bottom shell	1
5	Reverse rotor	2
6	Positive rotor	2
7	Li-ion battery	1
8	Receiver board	1
9	Camera	1
10	Transparent lampshade	4
11	Turn table	4
12	Arm	4

### Don't fly the Drone in below conditions

### Controller instruction

### Battery Installation

\*Open the battery door with a screwdriver. Install new batteries as shown in the polarity diagram (+/-) inside the battery compartment. Tighten the battery door.

**Caution:**

- Please make sure the battery is correct installed.
- Please remove used batteries, do not mix the battery with different type.

### Calibration between drone and controller

**Step one**

Turn on the controller and the Drone power. Put the drone on a flat surface, when you hear the "beep beep beep" sound, task completed. Important: Long press "On/Off" button to turn on and turn off the drone. Please average put your Drone on a flat surface.

**Step two**

As shown in the picture, put both throttle to the right corner. Hold the Flash to light turns into solid bright, when you hear the "beep beep beep" sound, calibration is finished.

**WARNING**

Please take out the battery when the Drone is not in use. Note: It may cause damage to controller if battery is not removed.

### Controller's function

- On/Off**
  - 1On: Long press "On/Off" button to turn on the controller.
  - 2) Off: Long press "On/Off" button to turn off the controller.
- Lock/Unlock**

Turn on the controller and the Drone power, when you hear the "beep beep beep" sound, pair completed. Push the throttle lever to left corner, push direction lever to the right corner (push them at the same time), to start the motor. When the motor starts work, release both lever. Push throttle lever to the right corner, push the direction lever to the left corner to stop the motor (Push them at the same time).
- Throttle control**

Unlock the controller, push the throttle up to ascend the drone, push the throttle down to descend the drone, leave the throttle in middle, drone will hold its altitude.

**One key take off/One key landing**

Unlock the controller, press "One key take off/One key landing" button, drone will hover one meter above the ground. Press again, drone will land automatically.
- Turning (Left/Right)**

After pairing, push the direction lever to left/right, the Drone will turn left/right.
- Forward/Backward**

After pairing, push the direction lever to up/down, the Drone will fly forward/backward.
- Left and right**

After pairing, push the direction lever to left/right, the Drone will fly to left/right.
- Trim**

After the drone take off, without move the throttle, if the drone's direction is moving, press "trim" button to adjust the direction.
- Take photo/video**

Short press "Take picture/video" button to take photo, long press it to take video. Photos and videos will save in the app.
- Speed/Flip**

Short press the throttle to adjust the speed. There are three speed level, when the buzzer beep one sound, it's speed level one, drone will move slowly. When the buzzer beep two sounds, it's speed level two. When the buzzer beep three sounds, its level three, which is the fastest speed level. When the throttle is in zero position, Long press the button to flip, buzzer will keep ringing, push the direction lever, drone will do 360° flip.
- Headless mode**

**Start and Setting:** when you start and calibration the drone, the default direction is front. After some hit, the direction is moving, you need to start over and do the calibration again.

**Press "Headless mode":** controller will make two beep sound, the led indicator is flash, you are enter into headless mode.

**Exit headless mode:** Press the "headless" button again, the controller will make one beep sound, the led indicator turns solid bright.

In headless mode (the led indicator is slowly flashing), no matter where is the drone's head, the controller is on the back of the drone, push the direction lever the drone will fly back, push the direction lever up, the drone will fly away.
- On key to return**

Facing you with the drone's tail, short press "One key return" drone will return automatically, if the drone drift the course, please adjust with direction lever. Short press again, and the voyage; push direction throttle up and down, voyage will end also.

### Operations

Before you fly the drone, please do some simulated flight practice:

Throttle (the position)	Throttle (zero position)	Push the throttle lever up, Drone will fly up.
Spin around	Turn left	Push the throttle lever to left, Drone will turn left.
Flight forward and backward	Turn right	Push the throttle lever to right, Drone will turn right.
Left/Right	Fly forward	Push the direction lever up, Drone will fly forward.
	Fly backward	Push the direction lever down, Drone will fly backward.
	Left	Push the direction lever left, Drone will fly left.
	Right	Push the direction lever right, Drone will fly right.

### Flip

Press the "Flip" button, the controller will beep.	Front flip: move direction lever forward.	Back flip: move direction lever backward.
Press the "Flip" button, the controller will beep.	Left flip: move the direction lever left/right.	Right flip: move the direction lever left/right.

### Replace blades

Please check the blades regularly, once damaged please replace with new one.

- When replacing the blades, make sure the color and direction are matched. (F is for positive blades, R is reverse blades)
- Important: do not change the wrong blades.

### Charging

- Plug USB to the Drone, plug the other side to a mobile phone adapter or a computer.
- Turn off the Drone before charging.
- The charging indicator will light when charging, once charging completed, the indicator will off.
- It's normal that the led indicator flash when you plug USB charger with charger wire, while charger wire didn't plug with lipo battery.

**Caution:** When you hear a "beep-beep" sound in flying means the drone's battery is in short, please charge your Drone with the USB charger from factory. During flight, if the led indicator on controller keeps flash, it means the battery is dying, please land the drone and change the battery.

### Battery warning

Rechargeable battery: Please dispose the rechargeable LiPo battery properly according to local law. Battery for controller:

- Please "AAA" battery are needed for Controller, please read below warnings carefully.
- Do not mix the battery with different type.
- Do not use the battery with used one.
- Do not charge non-rechargeable battery.
- Please remove the rechargeable battery from the Drone before you charge it.
- Please install the battery as shown in the picture (diagram 6-1).
- Do not insert the battery into fire, it may cause leakage and explosion.

**Notice**

LED indicator		Charging specification	
light off	light on	input	charging current
charge completed	charging	5V	800mA
	Ready mode	5V	8.4V 0.1V

Battery and charge specification			
battery type	battery specification	wing time	charging time
LiThium batteries	7.4V 450mAh	aircraft flight time: 6-7mins	above 60 mins (charging current approx 0.8A)

### Flight adjustment and notice for beginners

**Caution**

- Please check if the screws and blades are firmly tightened.
- Please make sure the battery are fully charged.
- Please make sure the blades are correctly installed.

**Cautions**

- Please make sure there is no obstacle in flying area.
- Please practice how to hover the drone first.
- Please stand 2 meters away from the Drone.

### 1. Throttle lever practice

Throttle lever is on the left, slowly push the throttle lever up, then release the throttle lever, the drone will ascend and hold its altitude, slowly put the throttle down, then release the throttle lever, the drone will descend and hold its altitude. Practice again and again until you can fly the drone in any height you want and land off safely.

### 2. Direction control practice

1. Direction lever is on the right, slowly to the direction lever to left/right to control the direction of Drone.

2. Side flying practice way is the same as above.

### Caution

- Slowly put the throttle lever up.
- Put the throttle lever to left/right. The drone will turn to left/right.

### 3. Rotation practice

- Slowly put the throttle lever up.
- Slowly push the throttle turn to left and right, make the quadcopter go cw and ccw rotating.

### 4. Precision practice

Once you are skilled with above 3 steps, you can practice the drone in a fixed area to get more precision practice.

### 5. Trim

Push the throttle forward and observe how the drone reacts.

- Forward/Reverse movement trim: if drone tends to move forward, press the back arrow on the control pad; if it tends to move backward, press the forward arrow on the control pad.
- If the drone tends to move to the right, press the left arrow on the control pad; if the drone tends to move to the left, press the right arrow on the control pad.

Note: The controller beeps when you press a trim control. If there is no beep, you have reached the maximum trim adjustment.

### 6. Flip stunts

Stable, flexible, 3D to roll easily

Make sure there is enough space to perform flip. Press the flip button, move direction lever to front/back/left/right to complete flip. Press the button again to start next mode.

### The application of App

- APP download and installation
  - Download according to the type of mobile phone
  - 1 For Android system: Please go to Google Play, enter the key word "DC-014" to download the app.
  - 2 For iOS system: Please go to App store, enter the key word "DC-014" to download the app.
- Control of APP
  - Open the app, you will see the screen as below picture:
- WiFi connect
  - Turn on your phone, connect your phone with "DC-014\_XXXXXX"
  - Enter the APP. If the APP is successfully connected to the drone, you can see the real-time transmission in the APP and you can control the drone by phone.
  - The remote controller is invalid when the drone is controlled by the mobile phone. The mobile phone is invalid when the drone is controlled by remote controller.

### The battery plug diagram

### FCC WARNING:

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.

The manufacturer is not responsible for any radio or television interference caused by modifications or changes to this equipment. Such modifications or changes would void the user's warranty to operate this equipment.

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 to residential operations. This equipment generates, uses, and can radiate radio frequency energy and, if not used and properly shielded, can cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. This equipment does not cause harmful interference to radio communications when used properly, as demonstrated by testing of this equipment. If you are experiencing interference, you may wish to take one or more of the following measures:

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

RF exposure statement: The device has been evaluated and found general RF exposure requirements. The device can be used in portable operation without restrictions.

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### Problem shooting

Problems	Causes	Ways to deal
1. Turn on the drone, LED blink, while the drone has no responding to all commands.	Pair between drone and controller failed.	Please refer to P3 for pairing.
2. Turn on the drone, the drone has no reaction to the commands.	No power.	Change the drone.
3. Blades keep moving after landing.	Throttle lever is not at the zero position.	Put the throttle lever to zero position.
4. Blades keep moving, while the drone can not take off.	1. Blades may installed wrong. 2. Battery get damaged.	1. Change the Blades. 2. Change the drone.
5. After starting, drone keeps spin, even if the speed of blades is different.	1. Blades may installed wrong. 2. Blades get damaged. 3. Calibration failed.	1. Install the blades. 2. Replace the blades. 3. Refer to p3 for calibration.
6. The drone can not take off after start.	1. Blades are getting lose. 2. Blades get damaged.	1. Tighten the blades. 2. Replace the blades.

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**NO.DC-014**

## User Manual