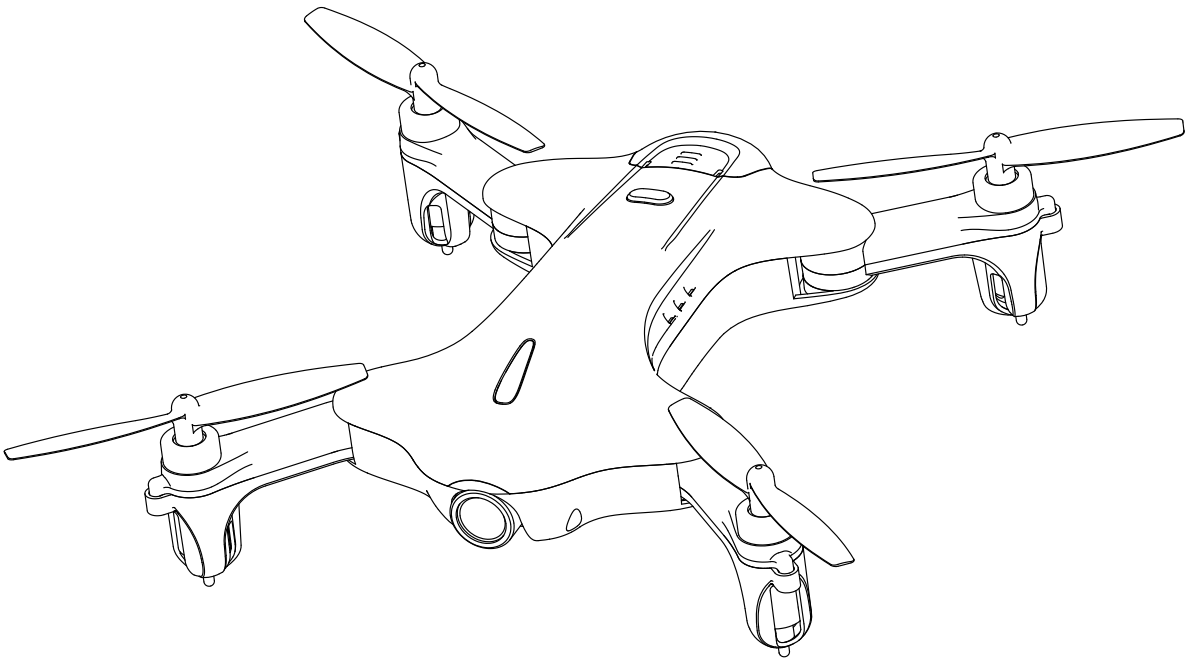
ROCON

DC-014

USER MANUAL



THE SKY IS THE LIMIT

support@droconshop.com

1-855-666-7333

A Big Thank You

We're thrilled that you have chosen to purchase the DROCON DC-014 MINI DRONE. At DROCON, we're committed to providing you with products that enhance your daily life. We also aim to give our customers excellent support. Should you have any questions or feedback about your new product, simply get in touch with our customer support team at 1-855-666-7333, or by email at support@droconshop.com

Enjoy your new product!

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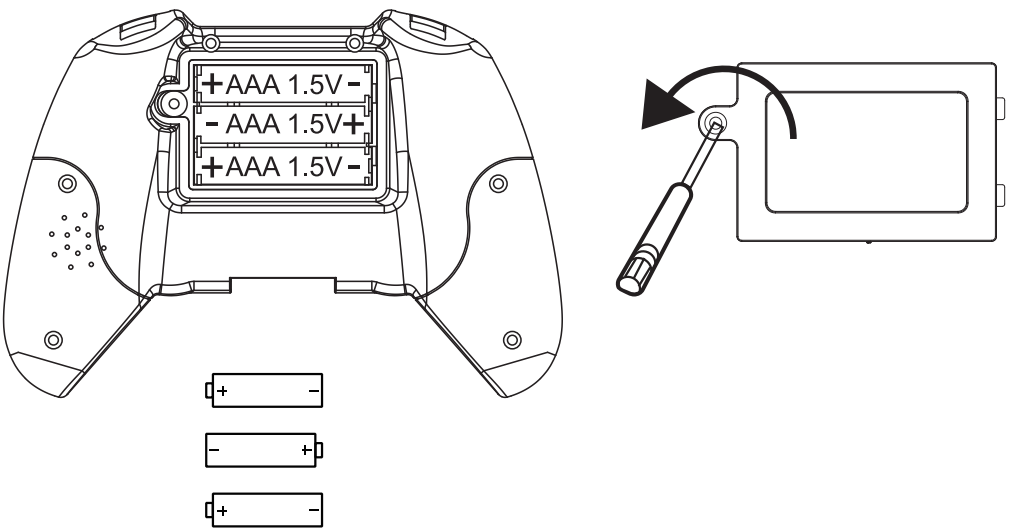
READY TO FLY

Battery installation

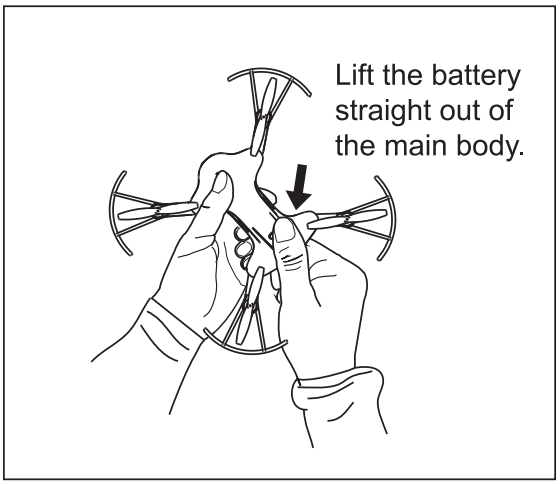


Open the battery compartment with a screwdriver: remove screws holding the compartment shut. Install new batteries according to the polarity illustrated. Close the battery compartment and tighten the screw clockwise.

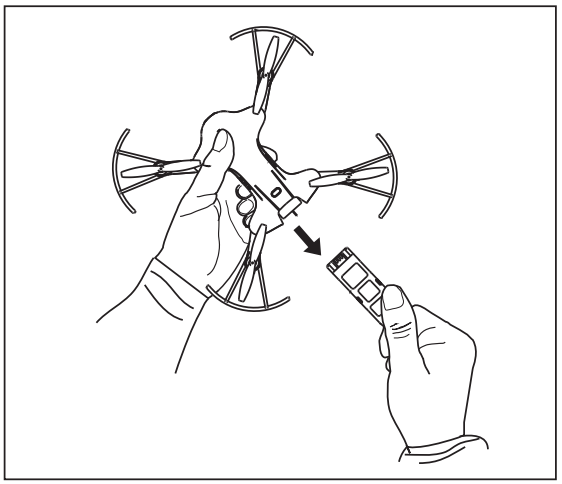
Note: Do not mix different battery types.

CHARGING THE DRONE BATTERY

Pull out the battery from the drone main body. Plug in the charging cable to the battery and connect it to a power source.

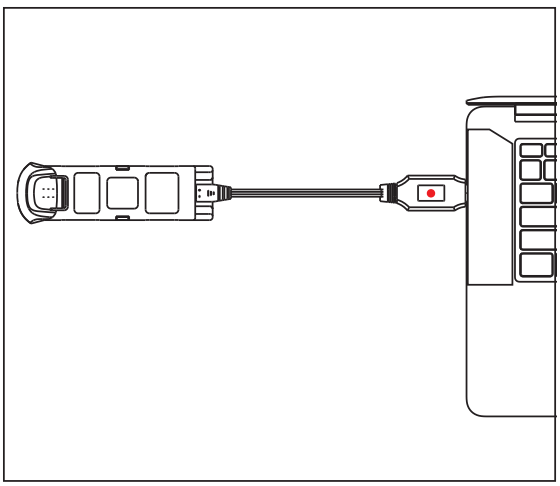


1

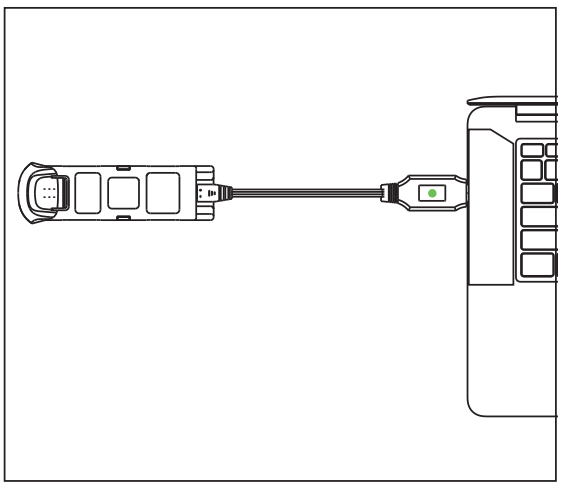


2

* Flight Time: 7-8 minutes
* Charging Time: 60 minutes (approximately)
* When the battery is charging, the indicator light is red. Once the battery is fully charged, the battery status indicator light turns green.



1



2

SAFETY PRECAUTIONS

1. This product is accepted for indoor and outdoor use. Watch for the obstacles that are on the flight path and stay away from them to prevent unwanted damage.

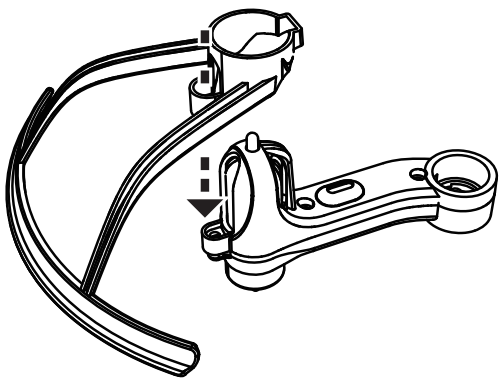
2. For better flight experience, ensure the drone will not lose control affected by the air vent, fan, or ventilation opening. Do not use a drone in severe weather conditions such as windy weather, snow, rain, and fog. It is not recommended that the drone be used at extremely low temperatures (< -10°C).

3. The remote controller LED indicator blinks when the battery level is low. Please land the drone and change the batteries.

4. The drone LED indicator are flashing quickly when the drone battery power is low. Please land the drone and charge the battery.

PROPELLER GUARD

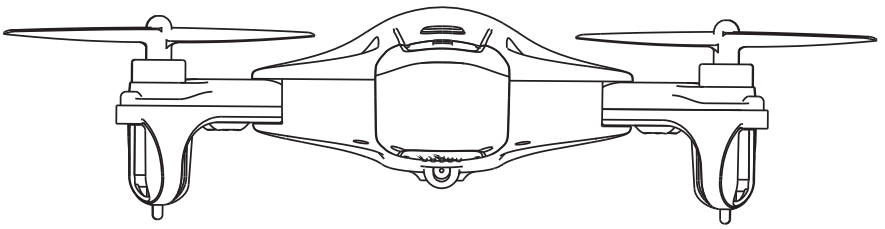
Unfold the aircraft arms, and turn the drone upside down. Insert the arm into the propeller guard pulling the propeller guard down. You will hear a "click" sound when it is properly secured.



* Make sure that you hear a "click" sound indicates the propeller guard is firmly installed. Protect the drone blades for better and safer flight experience.

HOW TO FLY

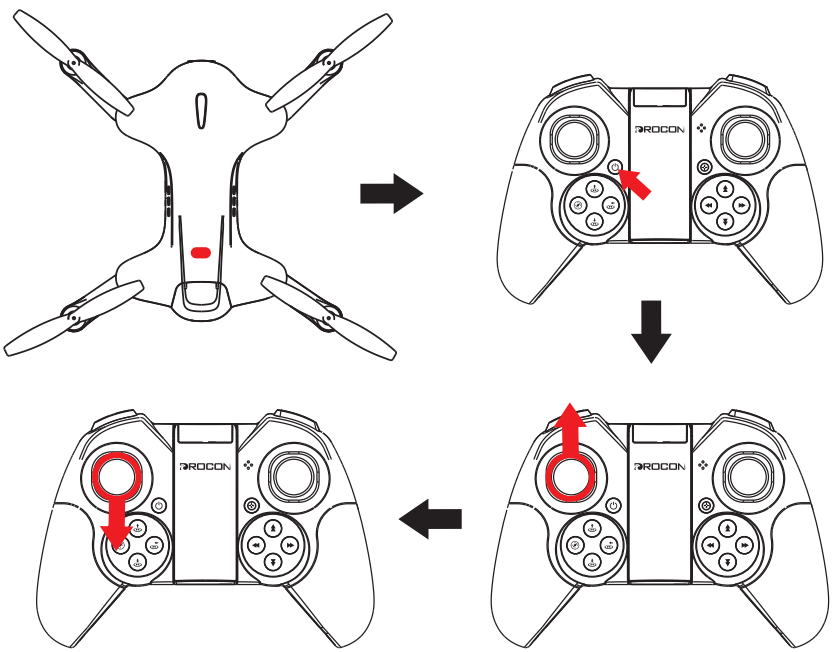
Connection and Calibration Instructions:



On a flat surface

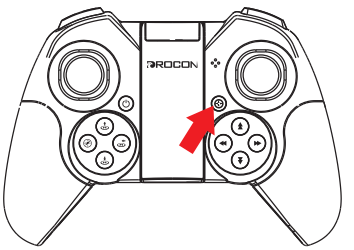
Connection:

Place the drone on a flat, level surface, and turn the power ON by pressing the button on the upper shell for 3 seconds. Turn on the remote controller (always turn on the drone firstly). Push the button on the left side of the controller as shown in the picture for 3 seconds. Push the left stick on the controller first up and then down to connect the controller with the drone. When the LED lights on the drone stop blinking, the remote controller is connected to the drone successfully.Important: Press and hold the "On/Off" button to power on/off the drone for 3 seconds. Always place the aircraft on a flat surface.



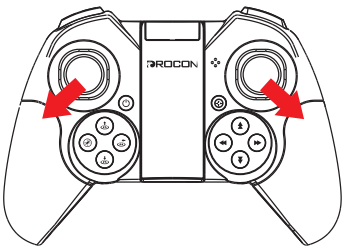
Calibration

Push the " ⊙ " button on the right side of the controller as shown in the picture. When you hear the "beep, beep" sound, the drone has been calibrated successfully.



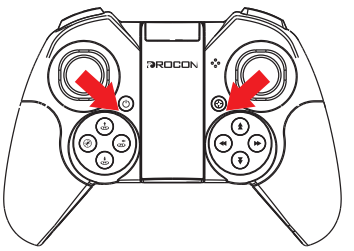
Motor ON

As shown in the picture, move the left-hand control stick to the lower-left corner and the right-hand control stick to the lower-right corner simultaneously to start the drone motor. When the motor starts, release control sticks.



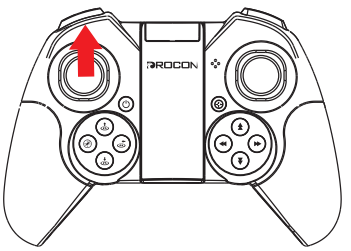
Motor OFF

As shown in the picture, move the left-hand control stick to the lower-right corner and the right-hand control stick to the lower-left corner simultaneously to stop the drone motor. When the motor stops, release control sticks.



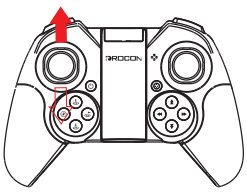
Takeoff / Landing

When the drone motor is on, move the left-hand control stick up, the drone will ascend. Move the left-hand control stick down to descend the drone. Release the left-hand control stick, the drone will hold the altitude.

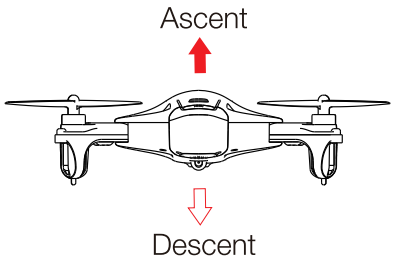


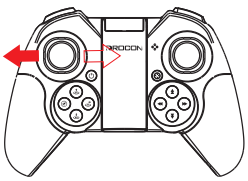
BASIC OPERATIONS

Hone your flight abilities and practice safely flying.

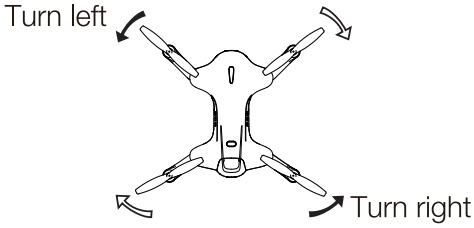


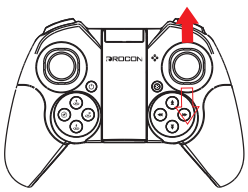
Move the left-hand control stick up / down



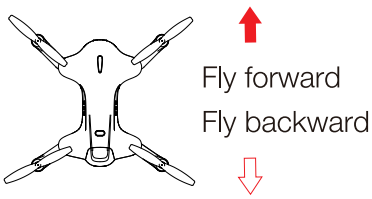


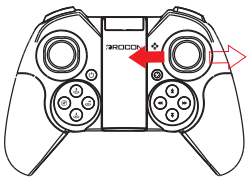
Move the left-hand control stick left / right



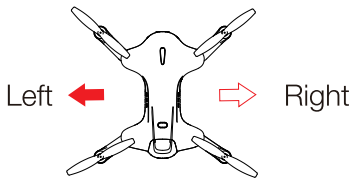


Move the right-hand control stick up / down



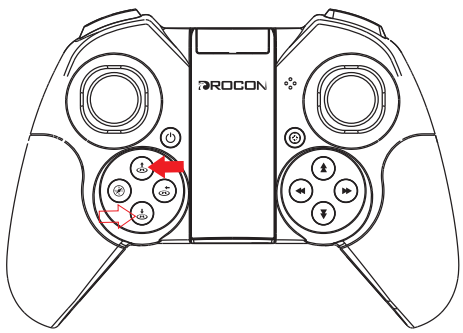


Move the right-hand control stick left / right



One-key take-off/landing

Tap the " " button to takeoff. The drone will take off and hover at 1 m above the ground. Tap the " " button to land.

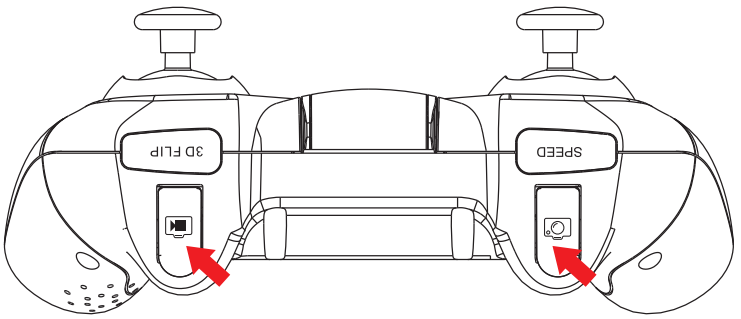


Video Recording / Taking Photo

Press once Video Recording button to start video recording. Press again to stop video recording.

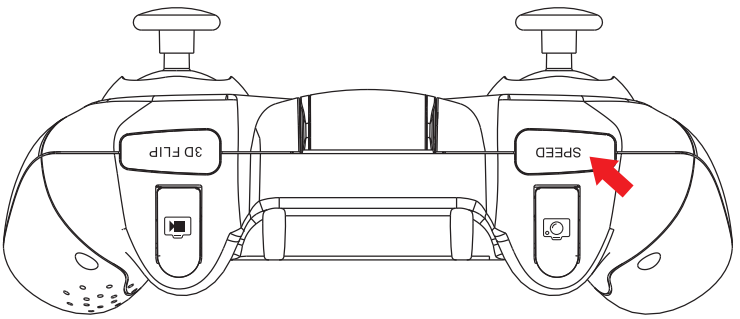
Press once the Shutter button to take a photo.

Photos and Videos will be saved at the APP.



Speed Selection

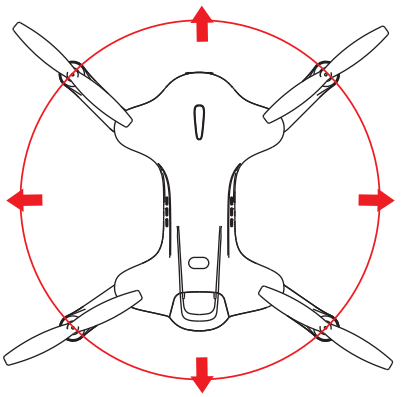
Use the controller to set the drone's speed. Press the "Speed" button once to set the 1st speed level (the controller will beep once). Press the "Speed" button once again to set the 2nd speed level (the controller will beep twice). Press the "Speed" button 3rd time to set the 3rd speed level (the controller will beep 3 times).

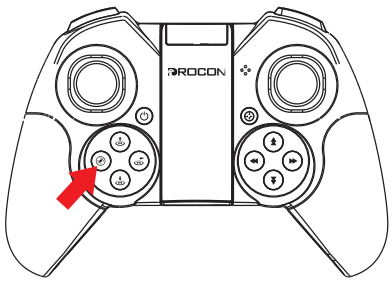


Headless Mode ON

When the calibration is performed, the default orientation of the drone is the front. If the default orientation has changed, you need to recalibrate the drone's inner gyroscope.

Press the "Headless Mode" button (the controller will beep twice), and the LED indicators start to flash. The headless mode is ON now.





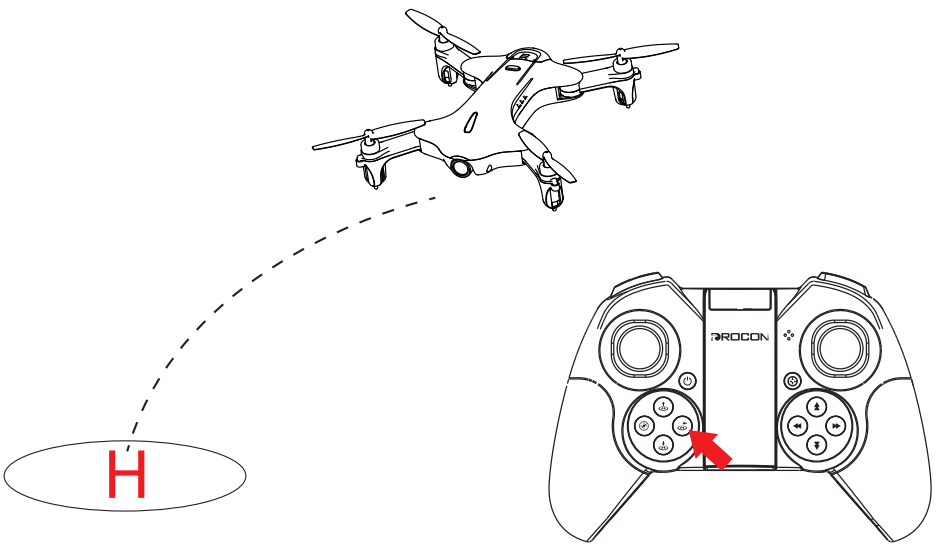
Headless Mode OFF

Press the "Headless Mode" button again (the controller will beep once), and the LED indicators turn solid. The headless mode is OFF now.

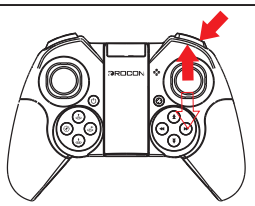
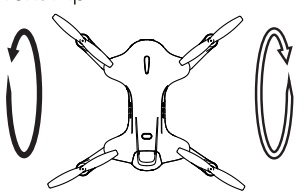
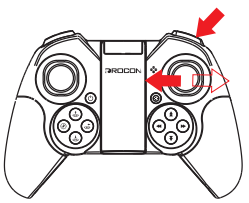
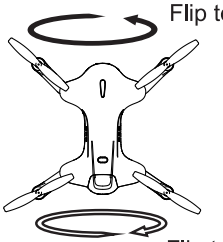
LED indicators are flashing slowly when the headless mode is ON. The headless mode takes commands regarding your current orientation. That means moving the left-hand control stick left on the controller will always make the drone go left according to your current point of view.

One-key Return

Press the "Return" button to trigger drone to fly back. If the drone drifts off, stabilize it while in flight adjusting the direction lever. Press the "Return" button again to end the flight.



3D Filp

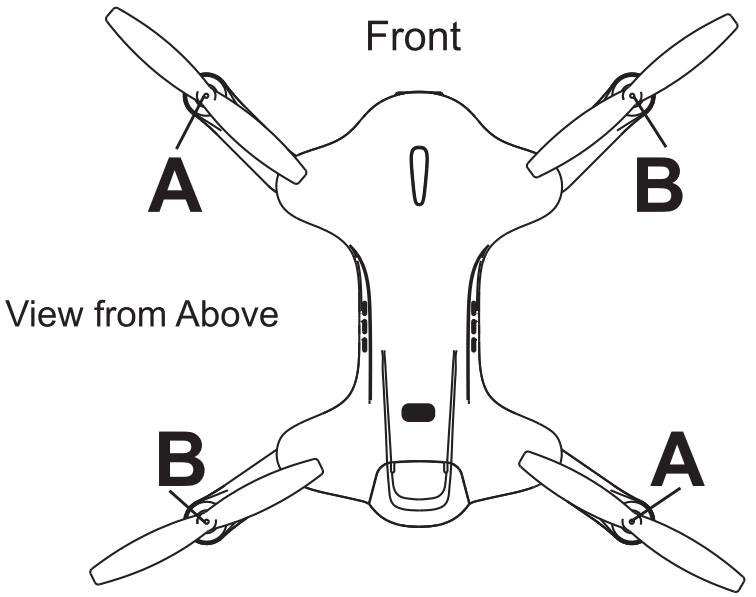
 Press the "3D FLIP" button on the right side of the controller (the controller will beep once).	Front Flip Move the right-hand control stick up. Back Flip Move the right-hand control stick down.	Front Flip  Back Flip
 Press the 'Flip' button, the controller will beep.	Flip to the right Move the right-hand control stick right Flip to the left Move the right-hand control stick left	Flip to the right  Flip to the left

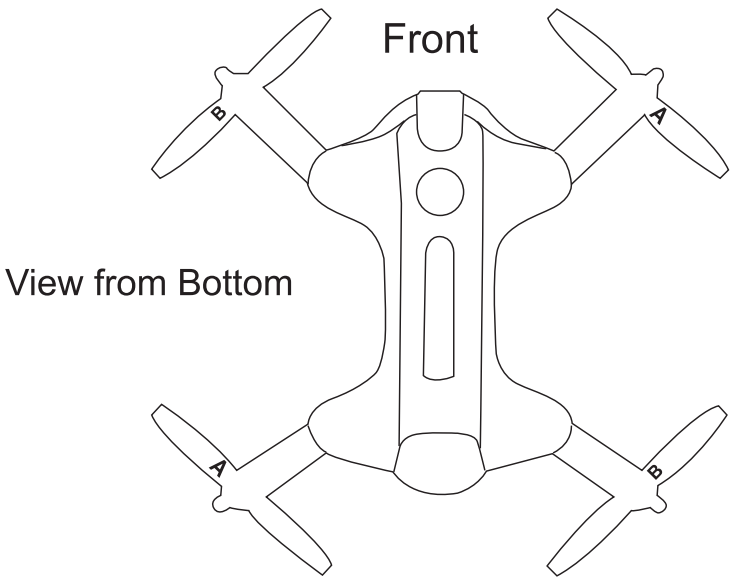
HOW TO REPLACE THE PROPELLERS

Please check the propellers regularly to ensure flight safety. Once the propeller is damaged or distorted, replace it with the new one.

1. One pair of propellers should be mounted clockwise, another pair should be mounted counter-clockwise. (Check the propellers' markings to determine whether it is A or B type)

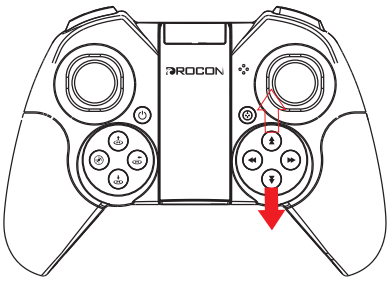
2. Attach the propellers as shown in the picture below.

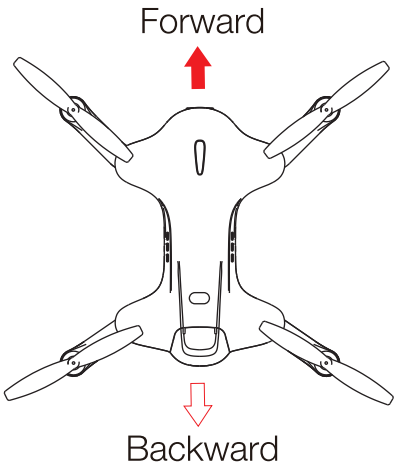




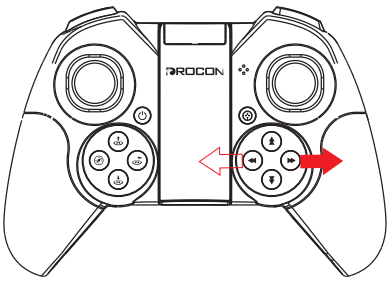
HOW TO TRIM

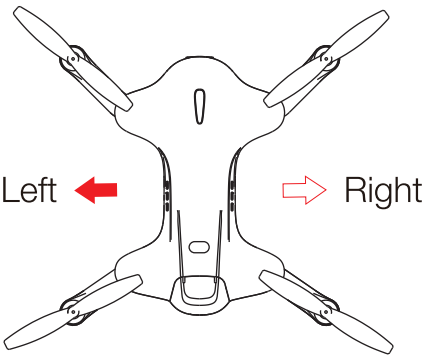
When the drone gets off the ground, check if it automatically tilts and flies in a different direction.





1) If a drone drifts forward, trim it backward by pressing " ▼ " button until it stabilizes. If a drone drifts backward, trim it forward by pressing " ▲ " button until it stabilizes.





2)If a drone drifts to the right, trim it to the left by pressing " ▶▶ " button until it stabilizes. If a drone drifts to the left, trim it to the right by pressing " ◀◀ " button until it stabilizes.

Note: The controller beeps once when you press the trim control button. If the controller does not sound a beep, you have reached the maximum trim adjustment.

DROCON FLY APP

Download the DROCON FLY App

The Android version (Play Store) of the DROCON FLY App is compatible with Android 5.0 or later.

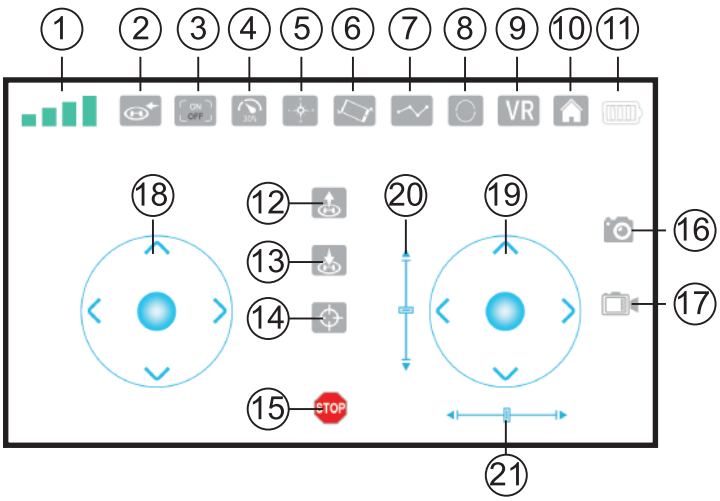
The iOS version (App Store) of the DROCON FLY App is compatible with iOS 8.0 or later.

In case the App does not display the real-time image, please restart your device and reinstall the App. If the App still does not display the real-time image, check if your device is compatible with the current App version.

If you have software compatibility issues, please reach us at support@drocon.co. Specify your device model and OS version, we will try our best to help you.

App Interface

Launch the DROCON FLY App.

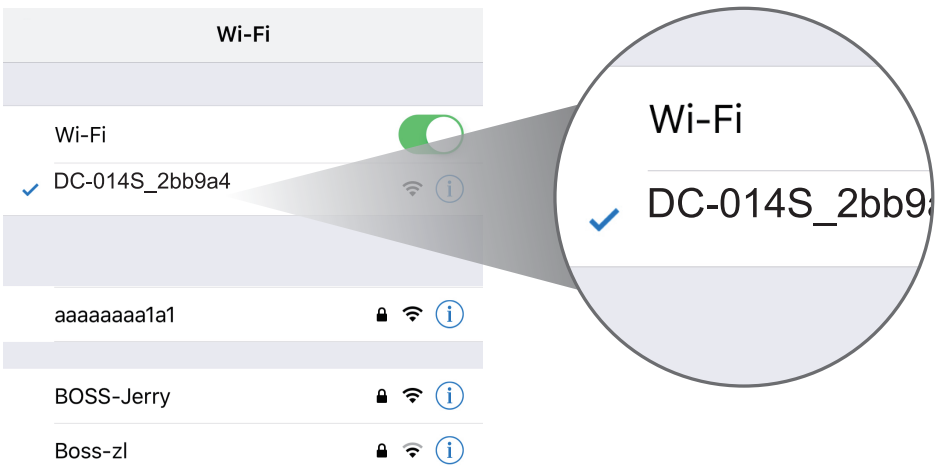


1. Wi-Fi connection status 2. One-key Return 3. Controller 4. Speed
5. Headless Mode 6. G-Sensor 7. Trajectory 8. Mirroring
9. VR (Split Screen Mode) 10. Home Page 11. Battery Level
12. Takeoff 13. Landing 14. Calibration 15. Stop 16. Take a Photo
17. Record a Video 18. Left-hand control stick 19. Right-hand control stick
20. Trim F/B 21. Trim L/R

Interface Description

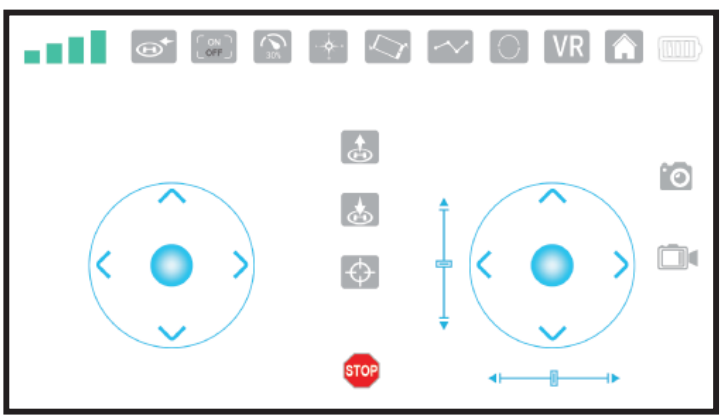
1. Wi-Fi connection status

Turn your drone ON and connect your phone to the "DC-014S_XXXXXX" Wi-Fi network.



2. One-key Return

Press " " to trigger a drone to fly back.



3. Controller

Press " " to control the drone with your smartphone. Press it again to change the control back to a remote controller.

4. Speed

Press " " once to set the 1st speed level. Press " " once again to set the 2nd speed level. Press " " 3rd time to set the 3rd speed. level.

5. Headless Mode

Press " " to turn the headless mode ON.

6. G-Sensor

Put the drone into the sky and press " " to turn on the G-Sensor mode.

When the G-Sensor mode is ON, the drone's direction is controlled by the G-sensor.

7. Track

Press " " to draw a trajectory on the right part of the screen for a drone to follow.

8. Mirroring

The mirroring function will flip the screen 180 degrees.

9. VR (Split Screen Mode)

Push " VR" to split the screen.

10. Home Page

Push " " to proceed to the home page.

11. Battery Level

The battery's state of charge will be indicated here.

12, 13. Takeoff/Landing

Push " " to takeoff. Push " " to land.

14. Calibration

Press " " to perform the calibration.

15. Stop

Press " " to stop the drone's motor.

16. Take a Photo

Press " " to take a photo.

17. Record a Video

Press " " to start recording video.

18, 19. Left-hand control stick / Right-hand control stick

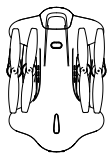
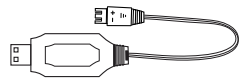
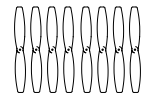
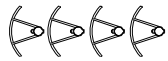
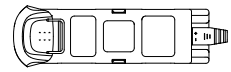
Control the drone's orientation and movement.

20, 21. Trim F/B / Trim L/R

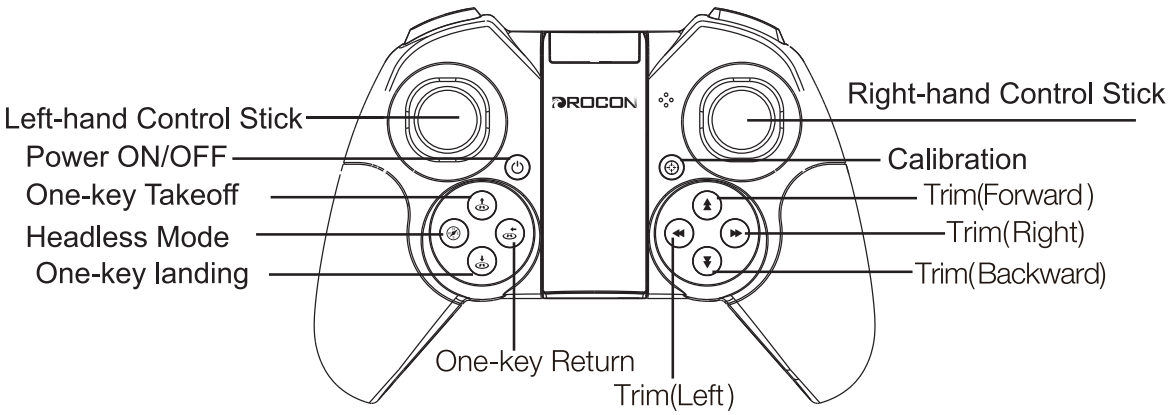
Trim the drone by dragging the controller forward / backward / left / right until it stabilizes.

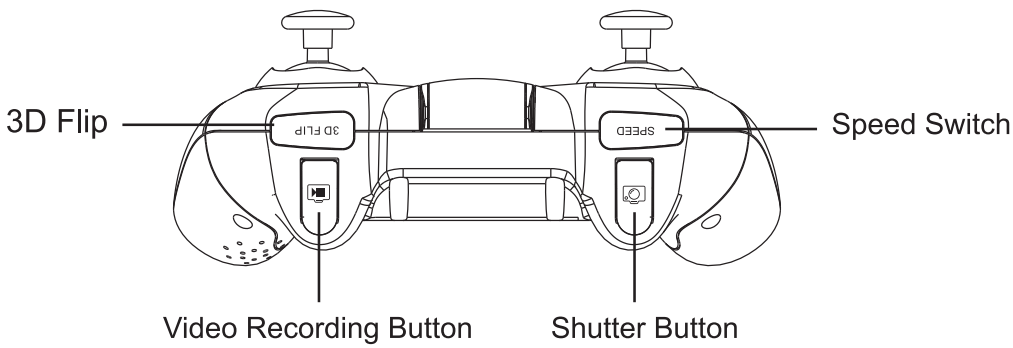
GETTING STARTED

Package Contents

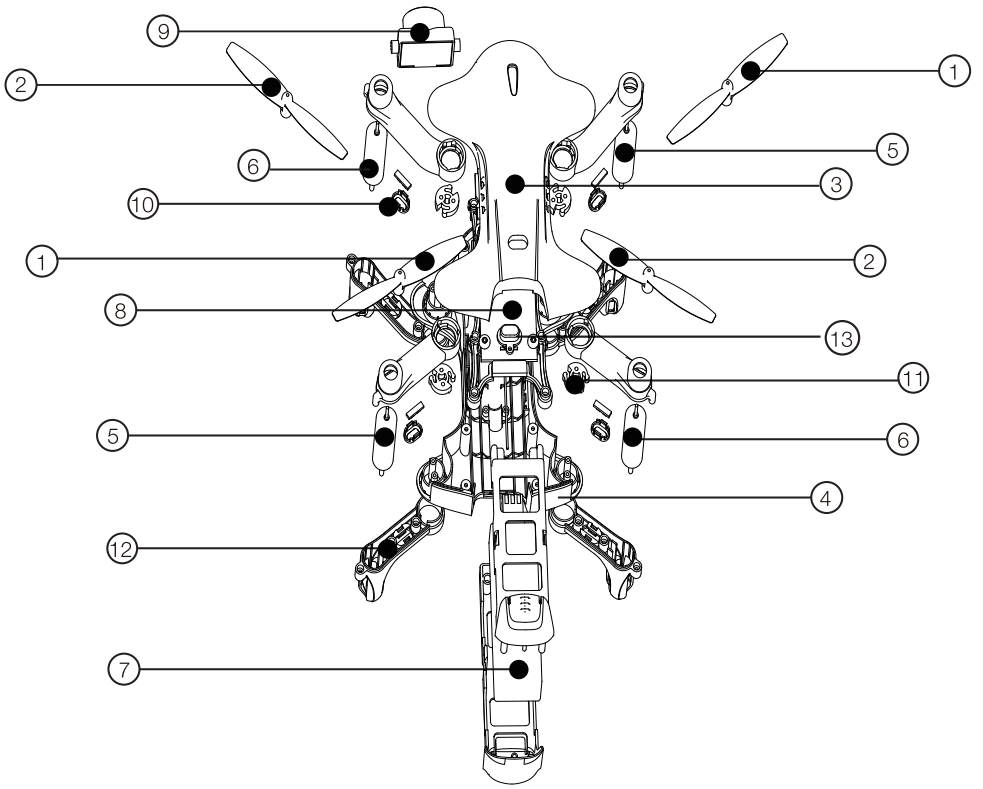
 1 x Drone	1 x Controller	 1 x USB Charger	 8 x Propellers
1 x Screwdriver	 4 x Propeller Guards	1 x User manual	 2 x Drone battery

Controller Diagram





DRONE DIAGRAM



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	Gear	4
12	Arm	4
13	Vision System Camera	1

DROCON

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