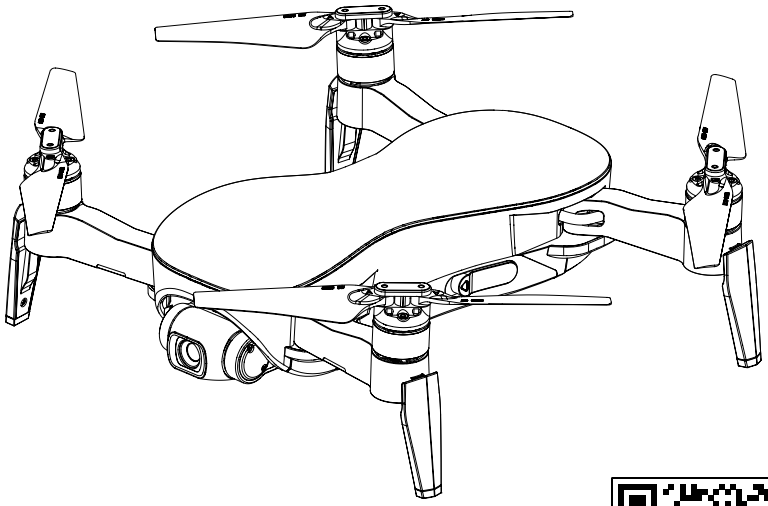
DF806 Quick Start Guide V1.0



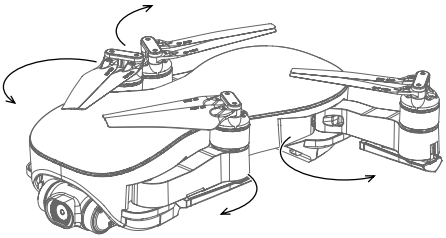
Download APP

Important

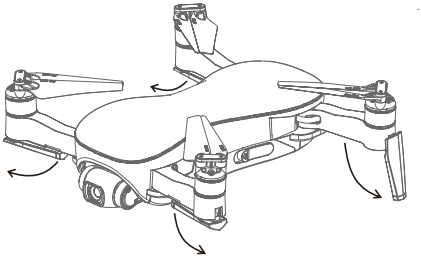
- *For your safety and to avoid loss of property, please read this manual carefully.*
- *Please do not try to disassemble, modify or repair the aircraft. If necessary, please contact agent.*
- *This manual is concise. For more details, please go to the "Help" in the upper right corner of the APP main interface to download the electronic documents.*
- *This instruction is updated without prior notice.*

1. Installation of propeller

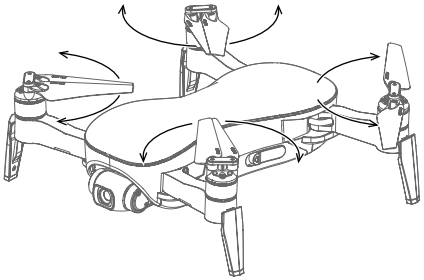
1) Extend the arms



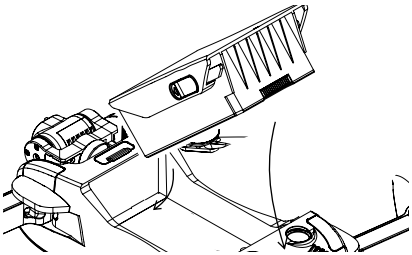
2) Extend the landing gears



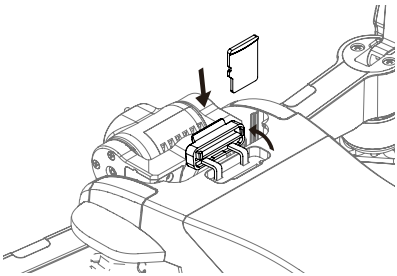
3) Extend the propellers



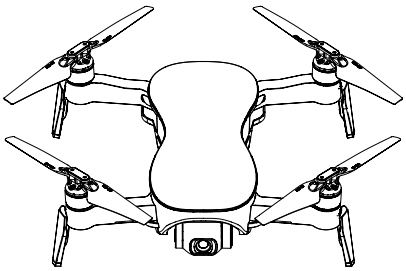
4) Insert the battery into the compartment



5) Insert the Micro TF card in the TF card slot

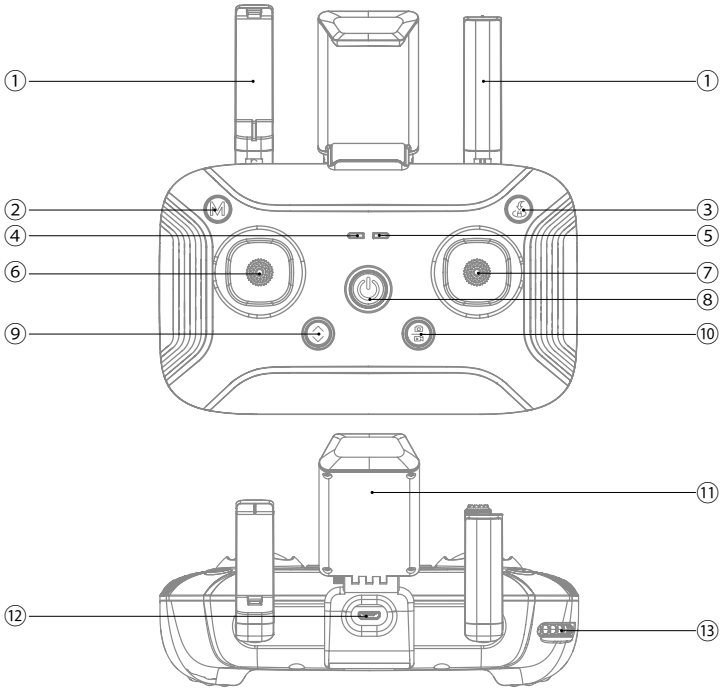


6) Put the aircraft on the flat surface



2. Remote control

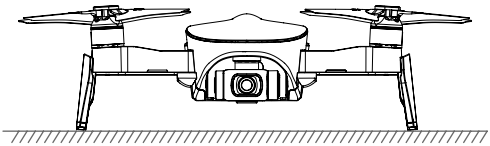
1). RC Button



① Antenna
② Flight mode switch
③ One key return
④ Mode indicator light
⑤ Indicator light
⑥ Left joystick
⑦ Right joystick
⑧ Power
⑨ One key takeoff/landing
⑩ Picture/video
⑪ Mobile phone bracket
⑫ USB charging port
⑬ Gimbal adjustment

2). Power on

(1). Put the aircraft on a flat surface

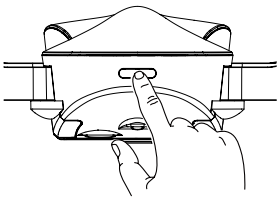


(2). Power on the aircraft

Long press the power button for 2 seconds.

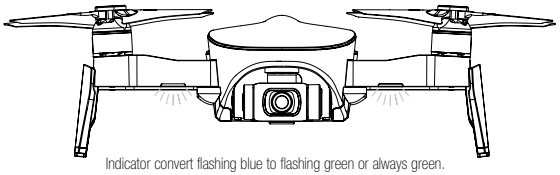
(3). Power on RC

Long press the power button for 2 seconds to turn on the RC.



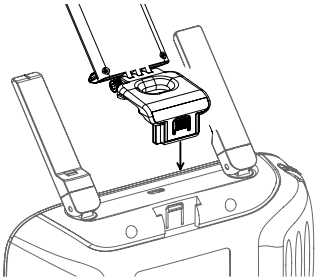
(4). Self-inspection and pairing

After power on the aircraft,ensure that the level of the aircraft is positioned more than 30seconds to make the aircraft complete self-inspection,when indicator convert flashing blue to flashing green or always green,which means pairing has been successful.

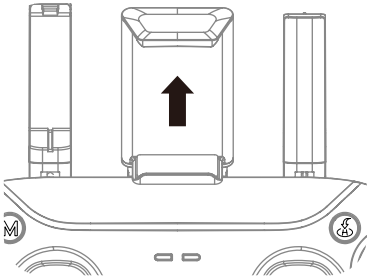


Indicator convert flashing blue to flashing green or always green.

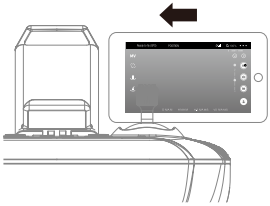
3). Put the mobile device on mobile phone bracket



(1) Install the mobile phone bracket in the slot of the back of the remote controller as shown.



(2) Pull up the mobile phone bracket.



(3) Put the mobile device on mobile phone bracket.

(4) Adjust the mobile phone bracket and mobile phone to the right angle.

4). Connect APP

(1). State of GPS signal state after connecting APP with aircraft

When the APP is connected to the aircraft,the aircraft status indicator is green, indicating that the GPS signal is good and the positioning is successful. Transfer the flight mode on the remote control to the GPS mode, the aircraft can take off safely.

The indicator light of aircraft shows green flashing,which means GPS signal is weak or no signal at all,change flight mode to A mode on RC,the aircraft can take off (The difficulty of this operation is high,highly not recommend for beginners).

Note: It is highly recommended to fly under good GPS signal(Green light always on)!

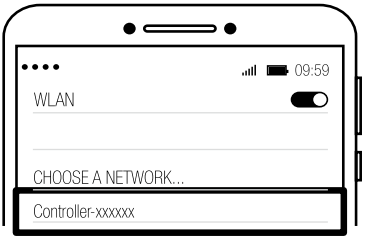
Please choose a wide open environment. Tall steel buildings and metal material will interfere the compass and GPS equipment on the aircraft.

(2). Connect APP

Open your mobile phone, navigate to settings and then the WLAN:

When flying with the APP, click the network of "Drone-xxxxxx (serial number)" to connect the drone to the APP. In this situation, the drone has a relatively shorter range.

When flying with the controller, click the network of "Controller-xxxxxx (serial number)" to connect the drone to the remote controller. In this situation, the drone has a relatively longer range.



Open the APP to enter the interface as shown in the left picture. Click "Start Flying" to enter the operation interface as below.

Note: The mobile phone need to support 5G Hz WiFi.

Using APP in flight can monitor the picture and the current situation of the aircraft in real time.

When aircraft controlled by RC while connect APP, the priority control is RC. Some functions on the APP can not be used (photo, camera, follow me, waypoint function will not be affected),aircraft can control by APP without RC, for specific operation, please refer to the part of "use APP to control flight ".

5). Operate the aircraft

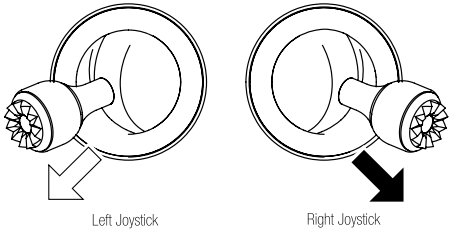
(1). Take off

◯ **Method 1: take off manually**

When aircraft is on standby mode, please initiate aircraft as below:

Dial left and right joystick outward as pictures show at same time,and keep up more than 3 seconds,the propeller begins to rotate.

Slowly upward throttle joystick,aircraft will take off.



◯ **Method 2: one key takeoff**

Long press "Take off / Land" button 2-3 seconds, There is "B-B-B" sound, meanwhile, the aircraft will automatically take off to about 1.2m and hover.

(2). Land

Before landing, pay attention to the landing site, stay away from the crowd and obstacles, choose a relatively flat ground as the landing site.

◯ **Method 1: land manually**

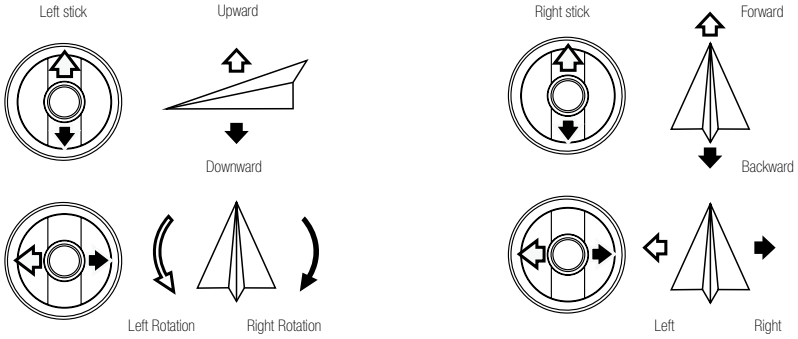
Slowly downward throttle joystick,aircraft will slowly land, when aircraft hit the ground, keep downward the throttle joystick until the propeller stops.

◯ **Method 2:one key land**

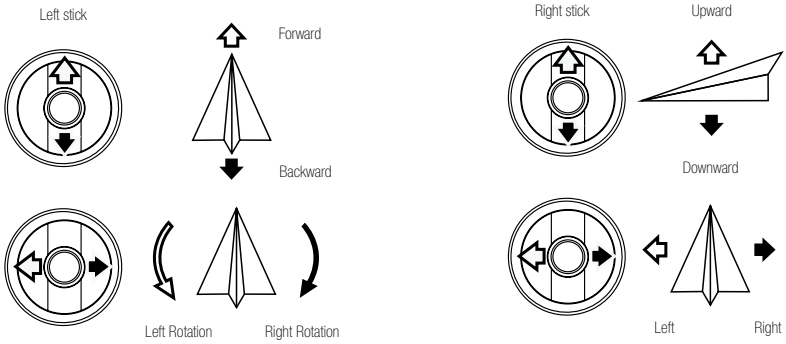
Long press "One key takeoff/ landing" button 2-3 seconds, there is "B-B-B" sound meanwhile, the aircraft will automatically vertical land until propelley stops.

(3). Remote controller instruction

◯ **Mode 2**



◯ **Mode 1**



(4). Switch mode 2 to mode 1

◯ **switch to mode 2**

Lower left joystick to bottom,meanwhile, press "One key takeoff/ landing" button still,turn on the RC.

◯ **switch to mode 1**

Lower right joystick to bottom,meanwhile, press "Picture/video" button still,turn on the RC.

6). Photo and video

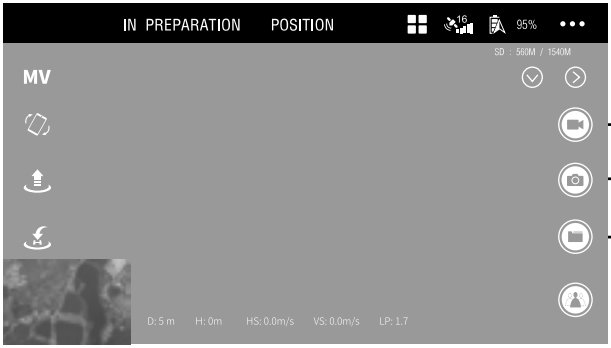
During the flight, you can use the Photo / Video button to take photos of the current scenery.

Short press Photo / Video button,there is one beep sound, which means you have taken a picture..

Long press Photo / Video button,there is B..B..B sound,which means recording video starts successfully,meanwhile, icon on APP is converted to red. Long press Photo / Video button again,there is B..B..B..B sound,which means record video stops successfully,meanwhile, icon on APP is converted to white.

◯ **Aerial photography tips**

(1). Check carefully whether the components of aircraft are normal before each flight.
(2). Try to take pictures or record videos when aircraft under GPS mode.
(3). Choose a sunny,breeze day to shoot.
(4). Try to push the joystick lightly to make aircraft fly smoothly during flight.



Short press for taking picture,long press 2-3s for recording video,during recording video,short press also can take pictures!

Note: In order to avoid possible damage and loss,please ensure that the camera is not shielded. High temperature may cause damage to the camera and even cause injury.

7). Flight mode

(1). GPS mode

◯ **How to enter GPS mode**

a, Default flight mode is GPS mode;

b, When aircraft searches enough GPS signals,long press mode switch button on RC,it will switch to GPS mode. When aircraft doesn't search enough GPS signals,long press mode switch button on RC,it will not switch to GPS mode.

◯ **Indicators on aircraft and RC when aircraft under GPS mode**

The left indicator of RC is green always on.

◯ **Attentions when aircraft under GPS mode**

Aircraft will hover at almost same spot under GPS mode.

(2). Altitude mode

◯ **How to enter Altitude mode**

When aircraft under GPS mode,long press mode switch button on RC, it will switch to Altitude mode.

◯ **Indicators on aircraft and RC when aircraft under Altitude mode**

the indicator of RC is red always on.

◯ **Attentions when aircraft under Altitude mode**

When aircraft under Altitude mode,it has a relatively flexible manipulation experience,However, due to environmental factors, such as airflow, etc., aircraft is easy to drift, and it is not easy to get a better hovering attitude,which is not recommend for beginners.

During flight,if the optical flow positioning condition is not satisfied (the front arm lights flashing), the positioning hover will be invalid, the motion dependence of the aircraft will occur manual control. Please fully grasp the control of GPS mode, then use the altitude mode.

Note: In order to ensure precise return location,please fly with good GPS signal,also at open field(no large buildings in 50 meters,and the square circle is 10 meters flat),RTH will work perfectly.

8). RTH

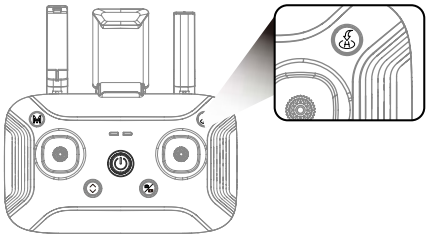
If necessary,in the process of flight, initiate one key return function. All the joysticks will not be controlled during the course of the return. During the descending process, the joystick can be manipulated to control the aircraft and change the landing position.If press the one key return button again during return course,aircraft will stop return course,Users will regain control of aircraft.

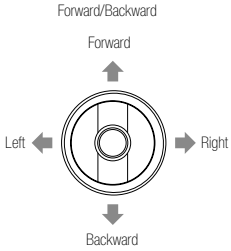
Note: Only when GPS has been positioned (rear arm green light is always on) to take off, no shelter near the take-off area,the accuracy of return position can be ensured. When aircraft under GPS mode,it will automatically initiate the RTH as follows:

the aircraft lost contact with the RC

Initiate RTH mode,if the current flight height is less than 30meters,aircraft will automatically rise to 30meters to return,,if the current flight height is more than 30meters,aircraft will be returned directly. Inability to manipulate the aircraft during RTH mode,please ensure that there is no obstacle in the return route in case of accidents.

When the aircraft lands, please turn off the aircraft and the remote control power after the propeller stops rotating.





Caution:Please stay away from aircraft until propellers stop rotating completely.

9). Remove the battery and store it separately

(1). When finishing flight, please remove both batteries from the aircraft and remote controller and store separately.

(2). Keep batteries out ofthe reach of children and pets. DO NOT leave the battery near heat sources such as a furnace or heater. DO NOT leave the batteries inside ofa vehicle on hot days. The ideal storage temperature is 22℃ -28℃ .

(3). When a battery is found to be damaged, strictly follow your local regulations regarding the disposal and recycling of batteries.

10). Pair aircraft and RC

The aircraft has already paired with the remote controller by default. If the remote controller has been replaced, please pair again complying with the following steps:

1) Switch on the drone and the remote controller.

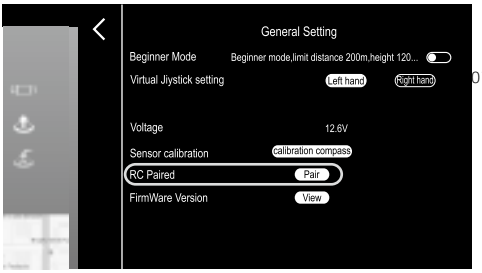
2) Unlock your mobile phone, enter the menu "Settings-WLAN" to view the Wi-Fi network list, among which you can see "Drone-xxxxxx" (xxxxxx consists characters and numbers) of the drone and "Controller-xxxxxx" of the remote controller (xxxxxx consists of characters and numbers). Please take down the serial number of the remote controller for further reference.

3) Click the Wi-Fi network of the drone to connect.

4) Enter the APP interface and click "…" in the top right corner to enter the menu.

5) Find "RC Paired" and click "Pair".

6) A dialogue box will pop up. Type in the serial number of the remoter controller in the box and click "Pair" to confirm.



7) Navigate your mobile phone to "Settings-WLAN" again to check the serial numbers of the drone and the remote controller. If the two serial numbers are correct, the pairing will be successful, with the drone's rear lights turning flashing green or solid green.