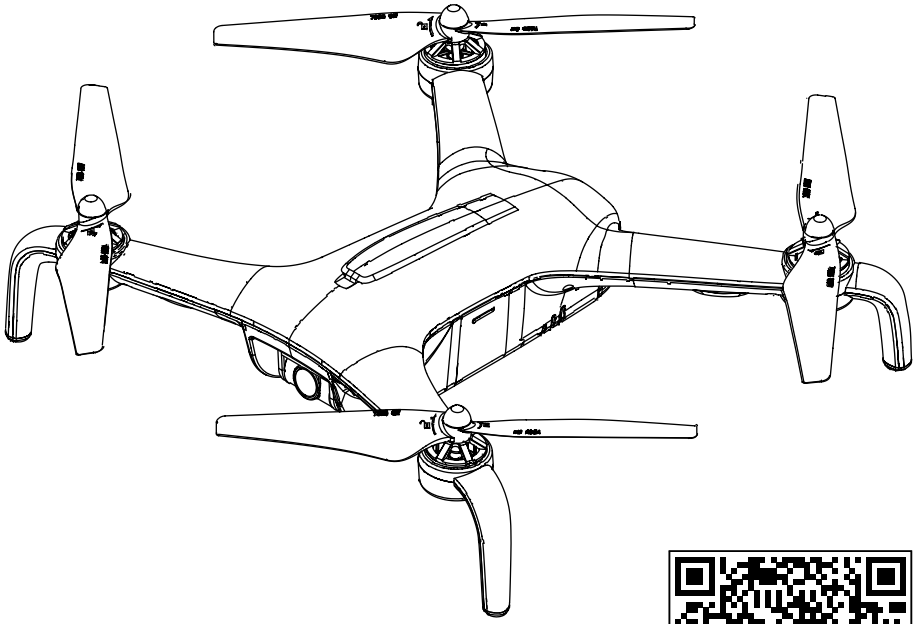
X7 Quick Start Guide



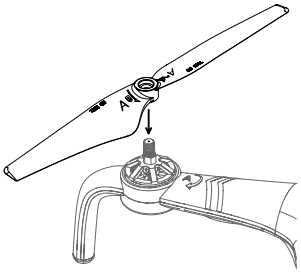
Download APP

Important

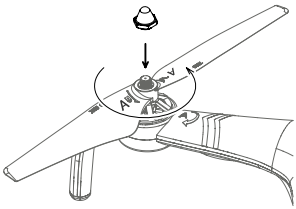
- *For your safety and to avoid loss of property, please read this manual carefully.*
- *Please do not try to disassemble, modify or repair the aircraft, if necessary, please contact the agent.*
- *This manual is concise. For more detailed, please go to the "Help" in the upper right corner of the APP main interface to download the electronic documents, or please visit www.jjrc.com for more instructions and tutorials.*

1. Installation of Propeller

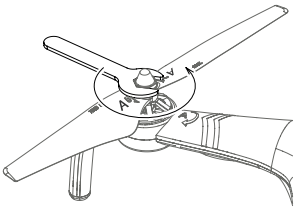
1). Install propeller on arm A



(1)The propellers with "A" are placed on the motor of the arm A (motor with concave points on the shaft end).

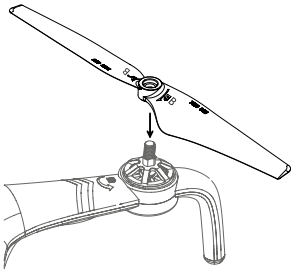


(2)Screw the white fixing nut of the propeller into the motor shaft, and rotate the nut counterclockwise.

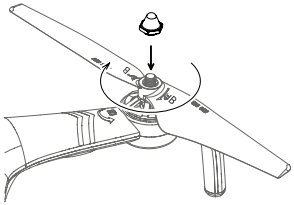


(3)Screw the white fixing nut of the propeller with open spanner counterclockwise.

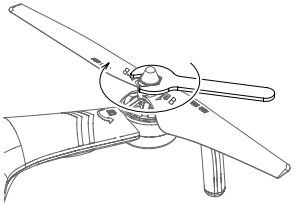
2). Install propeller on arm B



(1)The propellers with "B" are placed on the motor of the arm B (motor with concave points on the shaft end).



(2)Screw the black fixing nut of the propeller into the motor shaft, and rotate the nut counterclockwise.

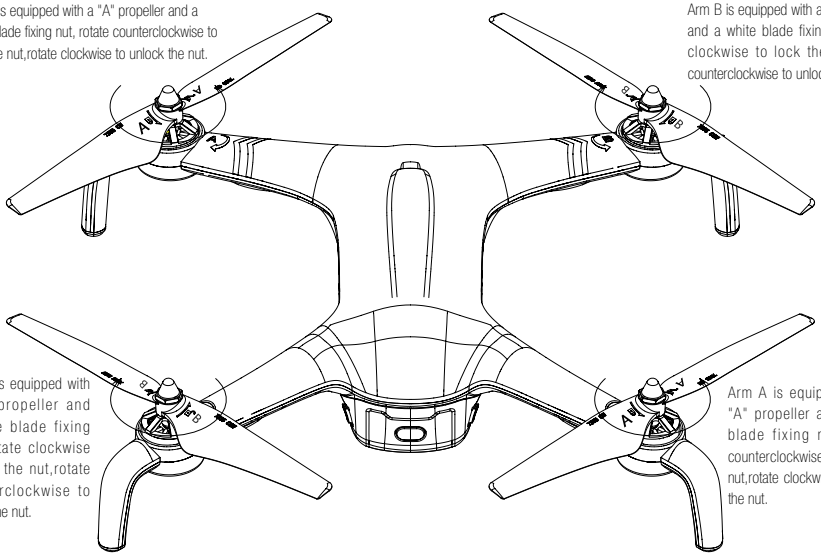


(3)Screw the black fixing nut of the propeller with open spanner counterclockwise.

3). The correct installation of the propeller is shown below

Arm A is equipped with a "A" propeller and a white blade fixing nut, rotate counterclockwise to lock the nut,rotate clockwise to unlock the nut.

Arm B is equipped with a "B" propeller and a white blade fixing nut, rotate clockwise to lock the nut,rotate counterclockwise to unlock the nut.

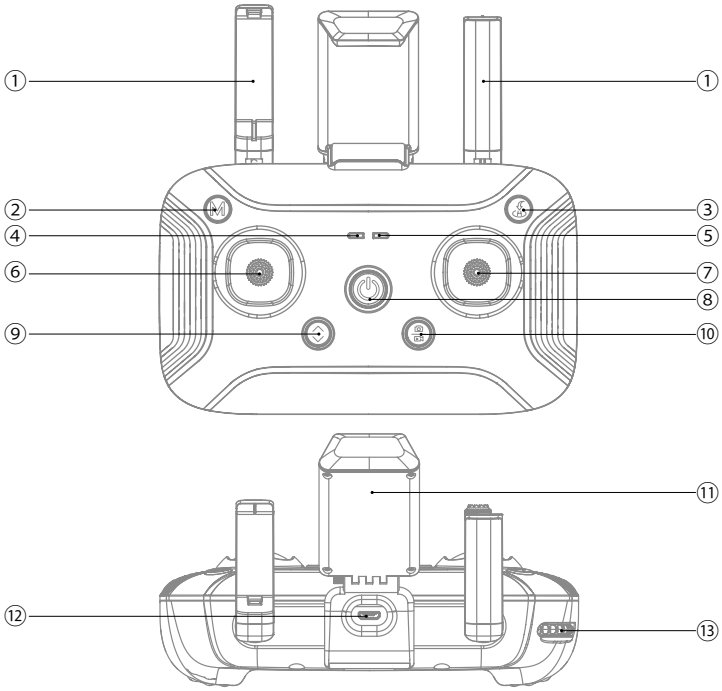


Arm B is equipped with a "B" propeller and a white blade fixing nut, rotate clockwise to lock the nut,rotate counterclockwise to unlock the nut.

Arm A is equipped with a "A" propeller and a white blade fixing nut, rotate counterclockwise to lock the nut,rotate clockwise to unlock the nut.

2. Remote Controller

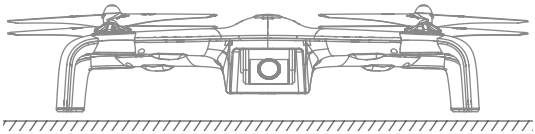
1). Console



① Antenna
② Flight Mode Switch
③ One Key Return
④ Mode Indicator
⑤ Status Indicator
⑥ Left Joystick
⑦ Right Joystick
⑧ Power
⑨ One Key Take Off/Land
⑩ Picture/Video
⑪ Mobile Phone Bracket
⑫ USB Charge Port
⑬ Gimbal Adjustment

2). Power on

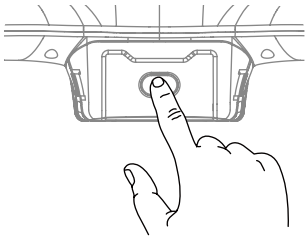
(1). Put the aircraft on a flat surface



(2). Long press the power button for 2 seconds.

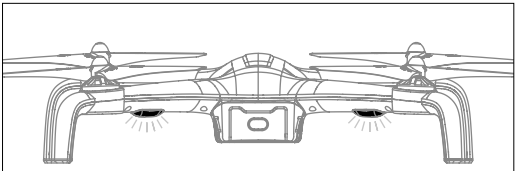
(3). Power on RC

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



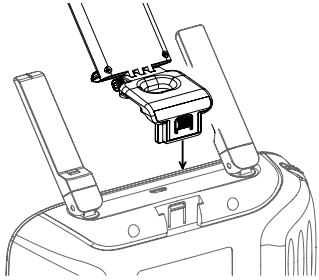
(4). Self-inspection and frequency match

Power on the aircraft, set it aside for 30 seconds for self-inspection. Wait until its indicator light turns from flashing or solid blue to flashing or solid green, indicating the pairing has been successful.

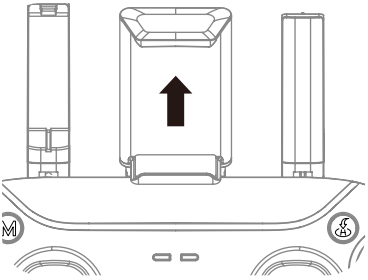


Indicator light turns from flashing or solid blue to flashing or solid green.

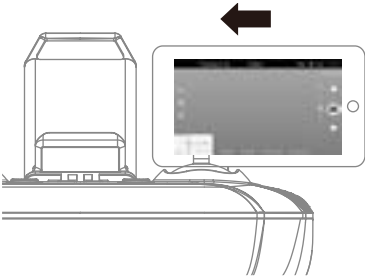
3). Put the mobile device on mobile device support



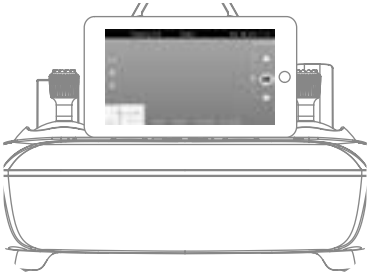
(1) Install the mobile phone holder in the slot of the back of the remote controller as shown.



(2) Pull up the mobile holder.



(3) Put the mobile device on mobile holder.



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

4). Connect with the APP

(1). State of GPS signal 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. Switch the flight mode on the remote control to the GPS mode, the aircraft can take off safely.

The indicator of aircraft shows green flashing,which means GPS signal is weak or no signal at all. Change flight mode to A mode (The operation requires experienced skills, not suitable for novices).

Note: It is highly recommended to fly the drone after the green light turns solid (indicating there is strong GPS signal).

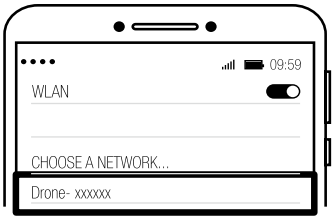
Please choose wide and open flight environment. Tall steel buildings and metal materials will interfere the compass and GPS equipment on the aircraft.

(2). Connect with the 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. 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 the remote controller. In this situation, the drone has relatively longer range.

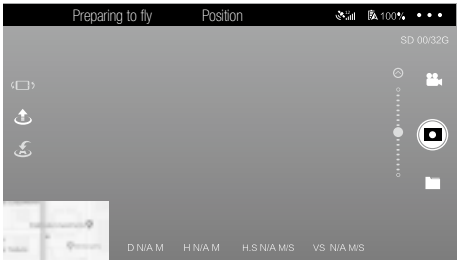


In

to

a

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 aircraft can only connect to 5G Wi-Fi enabled mobile phone.

Use the APP to monitor the shooting footages and the flight condition in mid-flight.

It is able to use both of the remote controller and the APP to control the aircraft. However, some functions are not support on the APP when the controller being used except these functions, including taking photos or videos, follow me mode, point of interest mode or waypoint flying mode.

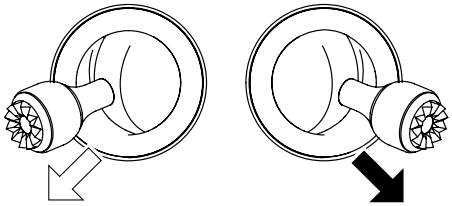
5). Operate the aircraft

(1). Takeoff

◯ **Method 1: takeoff manually**

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

Toggle the left and right joysticks outward for at least 3 seconds (shown as the picture) as to get the propellers started to rotate.



Slowly toggle the throttle joystick upward to control the aircraft take off quickly, and then toggle again to make it ascend slowly.

◯ **Method 2: one key takeoff**

Long press the "One Key Takeoff/ Landing" button for 2 to 3 seconds. When the remote controller beeps steadily, the aircraft will automatically take off and ascend to the altitude of 1.2 meters and hover.

(2). Land

Please be aware of the crowds or obstacles and ensure the aircraft is hovering over the landing site before landing. Choose an open and flat space as your landing site.

◯ **Method 1: land manually**

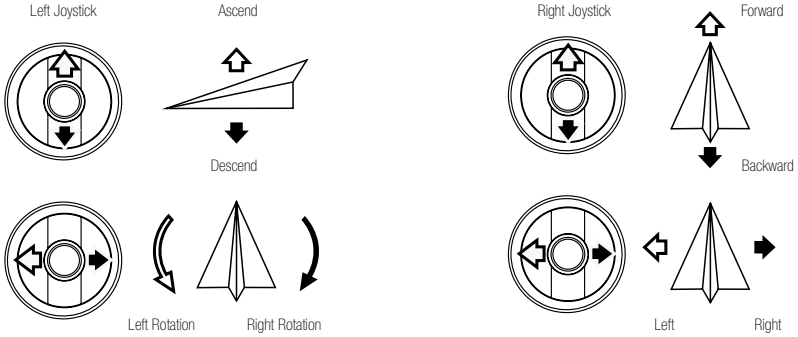
Slowly toggle the throttle joystick to control the aircraft to land. When the drone lands on the ground, continue to toggle the joystick towards the lowest position until the propellers stop rotating.

◯ **Method 2:one key land**

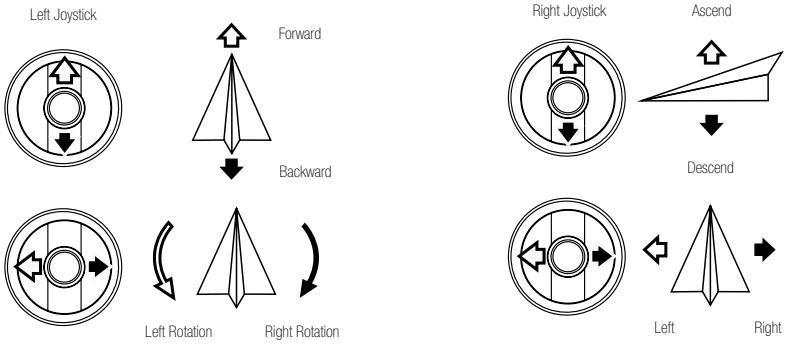
Long press the "One Key Takeoff/ Landing" button for 2 to 3 seconds. When the remote controller beeps steadily, the aircraft will land vertically.

(3). Remote controller instruction

◯ **Mode 2**



◯ **Mode 1**



(4). Switch mode 2 to mode 1

◯ **switch to mode 2**

Toggle the left joystick to the lowest position and press the "One Key Takeoff/ Landing" button at the same time. Then turn on the remote controller. Release the joystick and the button to enter Mode 2.

◯ **switch to mode 1**

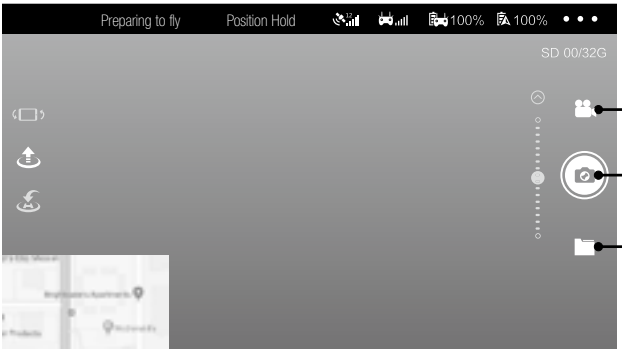
Toggle the right joystick to the lowest position and press the "Photo/ Video" button at the same time. Then turn on the remote controller. Release the joystick and the button to enter Mode 2.

6). Photo and video

During the flight, you can use the "Photo/ Video" button to take image or video footages.

Short press the "Photo/ Video" button and wait until the remote controller beeps, indicating that you have successfully taken a photo.

Long press the "Photo/Video" button and wait until the remote controller beeps steadily, with the APP icon changes from white to red, indicating it has been ready for video shooting. Long press the button again and wait until the remote controller beeps steadily, with the APP icon changes from red to white, indicating it has stopped recording.



Short press the button to take photos and long press to take videos. You can also short press it to take a snapshot when a video is running in.

◯ **Aerial photography tips**

(1). Check the condition of all parts before flight.
(2). Take photos or vides when the drone is in position hold mode.
(3). Shoot on sunny and breezy days.
(4). Slightly toggle the joystick in mid-flight as to ensure a smooth flight.

Note: In order to avoid possible damage or loss,please ensure that the camera is free to rotate. High temperature may cause damage to the camera and even cause injury.

7). Flight mode

(1). Position mode

◯ **How to enter Position mode**

a. Default flight mode is GPS mode;

b. When the drone is in altitude mode and the GPS positioning system is working well, long press the button on the remote controller to switch to position hold mode.

◯ **Indicator light status of the aircraft and the remote controller**

The left indicator light on the controller turns solid green.

◯ **Notice**

In position hold mode, the aircraft will automatically position it own location and hovers steadily. Please choose an open and wide outdoor field before flight, and wait until the GPS turned on before flying it.

(2). Altitude mode

◯ **How to enter Altitude mode**

When aircraft is in position mode,long press mode switch button to switch to Altitude mode.

◯ **Indicator light status of the aircraft and the remote controller**

The left indicator light on the controller turns flashing green.

◯ **Notice**

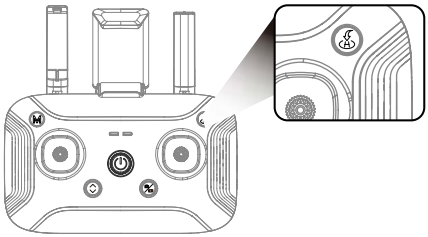
The aircraft in altitude hold mode requires pilots with experienced operation skills. However, certain environmental factors, such as airflow, might affect the flight, resulting in drifting or hovering failure.

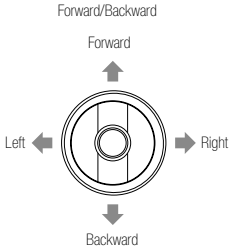
Please familiarize with the position hold mode and learn how to handle it before using altitude hold.

Note: As for the return to home point as precise as possible, please fly the aircraft in open flat terrain (no tall buildings in 50 meters of radius, flat terrain in 10 meters of radius) with the GPS working well. Thus the return to home function will be able to activate.

8). Return To Home

In GPS positioning mode, you can press the "One Key Return" button to return the aircraft. Do not control any functions during the process of return or ascent. When the aircraft is landing, you can toggle the joystick as to control it to land on your desired location. When the aircraft is returning to home point, long press the "Return" button to exit auto return mode.





Note: ***As for the return to home point as precise as possible, please ensure the GPS positioning function has been turned on to record the aircraft's position before its takeoff and choose an area with no obstacles.***

With the GPS positioning mode turned on, it will automatically enter auto return to home mode if the remote controller loses control.

Once the auto return to home mode is enabled, if the aircraft flies below 30 meters of altitude, the aircraft will automatically ascend to 30 meters before returning to home point. However, if the aircraft flies over 30 meters of altitude, the aircraft will return to home point at the current altitude. Please do not control other functions during the process of return. Please ensure there are no obstacles in way of return in case of any potential accidents.

After the aircraft lands and the propellers stop rotating, long press the power switch to turn off the aircraft and the remote controller.

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 the batteries from the aircraft and remote controller and store them separately.

(2). Keep batteries out ofthe reach of children. Keep the battery dry. DO NOT leave the battery near heat sources such as a furnace or heater. The ideal storage temperature is 22℃ -28℃ .

(3). If a battery is found to be damaged,please discharge the battery and dispose them properly according to the local regulations and laws.

10). Pair aircraft with RC

The aircraft and the remote controller has been paired by default.please use it as soon as aircraft turn it on. If the remote controller has been replaced with a new one, please pair again complying with the following steps:

(1). Press the "Photo/ Video" button and long press the power button for 2 seconds. Wait until the indicator light turns flashing with the controller beeps steadily, indicating the remote controller is ready for pairing.

(2). Long press the aircraft power button for 2 seconds to turn on the aircraft.

(3). Then rapidly and continuously press the aircraft power button for 4 times. Wait until the indicator light turns flashing blue, indicating the aircraft is ready for pairing.indicator of aircraft will convert to blue double flashing,which means aircraft is ready to re-paired.

(4). With the remote controller's indicator light turns off and the controller beeps steadily, the pairing has been successful.