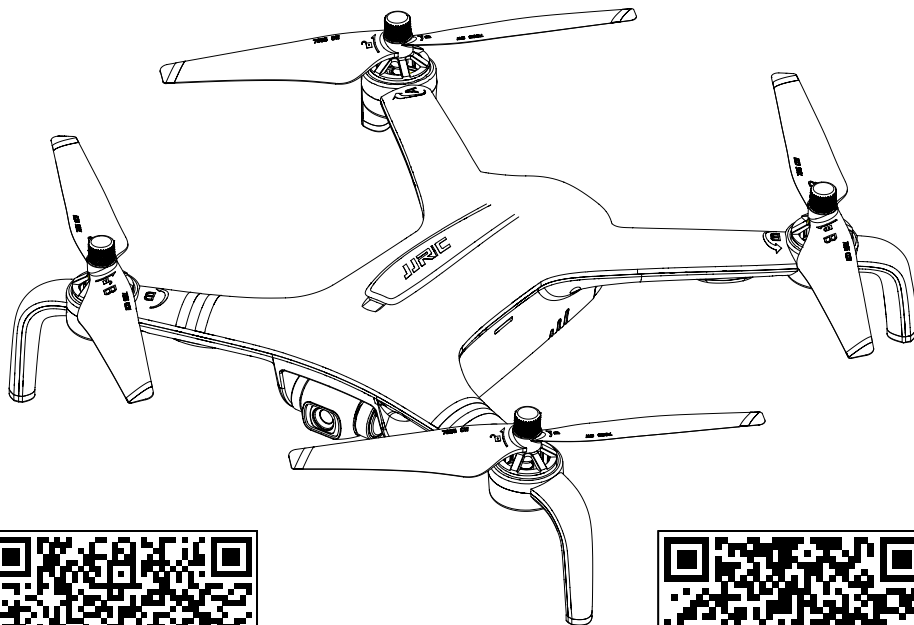


## X7P Quick Start Guide V1.0



Google Play



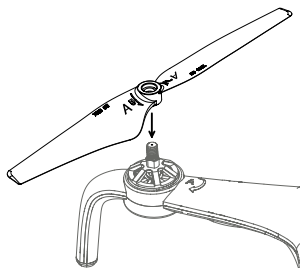
APP Store

### **Important**

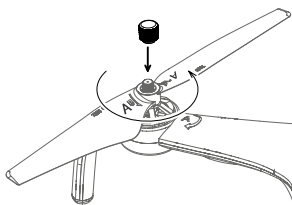
- For your safety and to avoid loss of property, please read this manual carefully.
- Please do not disassemble, modify or repair the aircraft. If necessary, please contact agent.
- This manual is concise. For more details, please go to the "Help" in the upper right corner of the APP main interface to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

# 1. Propeller Installation

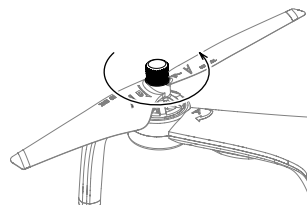
## 1). Install Propeller on Arm A



(1) Insert the CW propeller into the shaft A (motor with concave points on the shaft end).

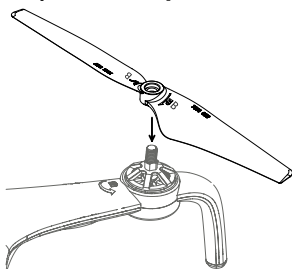


(2) Screw the white fixing nut of the propeller into the motor shaft, and rotate the nut counter-clockwise.

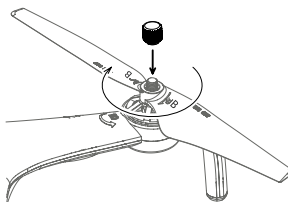


(3) Screw the nut manually with your hand as shown in the picture.

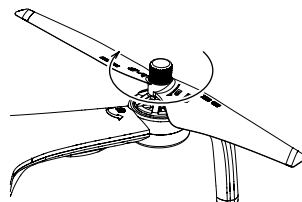
## 2). Install Propeller on Arm B



(1) Insert the CCW propeller into the shaft B (motor with concave points on the shaft end).



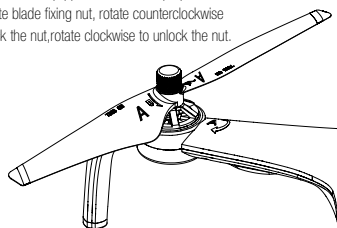
(2) Screw the black fixing nut of the propeller into the motor shaft, and rotate the nut counter-clockwise.



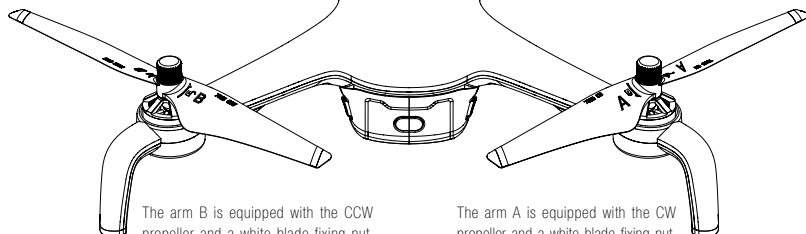
(3) Screw the nut manually with your hand as shown in the picture.

## 3). Examples of Installation

The arm A is equipped with the CW propeller and a white blade fixing nut, rotate counter-clockwise to lock the nut, rotate clockwise to unlock the nut.



The arm B is equipped with the CCW propeller and a white blade fixing nut, rotate clockwise to lock the nut, rotate counter-clockwise to unlock the nut.

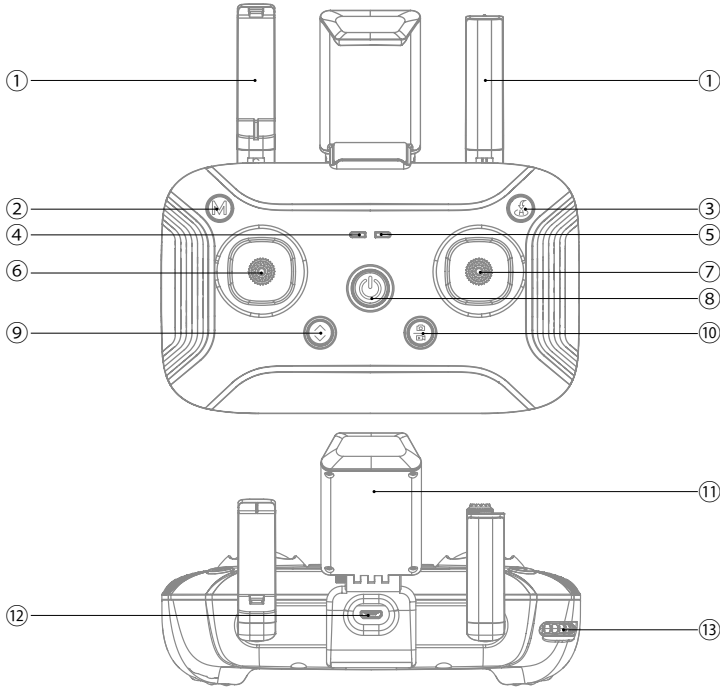


The arm B is equipped with the CCW propeller and a white blade fixing nut, rotate clockwise to lock the nut, rotate counter-clockwise to unlock the nut.

The arm A is equipped with the CW propeller and a white blade fixing nut, rotate counter-clockwise to lock the nut, rotate clockwise to unlock the nut.

## 2. Remote Control

### 1). Console



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

### 2). About optical flow positioning system

Placed on the bottom of the aircraft, the optical flow positioning system senses the movements of the aircraft with the assistance of the camera, and calculates the current altitude, helping to precisely locate the aircraft's position.

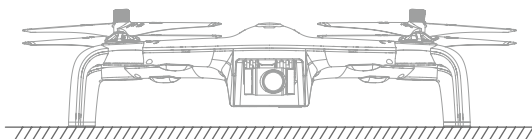
When the aircraft is ready to take off, the optical flow positioning function cannot be activated due to the low altitude with the aircraft's front indicator light blinking slowly. After the aircraft has taken off and the conditions are satisfied, the optical flow positioning function will automatically turn on and locate the aircraft's position as to enable hovering with the aircraft's indicator light turning solid red.

Attention: In mid-flight, the optical flow positioning function cannot be activated if the aircraft's front indicator light turns slow blinking red. Please pay proper attention for a safe flight.

The optical flow positioning system is significantly affected by the intensity of the light and the surface texture of the physical object. If the optical flow positioning system fails to work, its function of horizontal centered absolute positioning will be ineffective.

### 3). Power on

#### (1). Put the aircraft on a flat surface

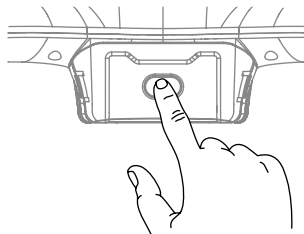


#### (2). Power on the aircraft

Long press the power button for 2 seconds.

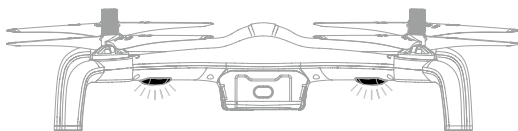
#### (3). Power on the remote controller

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



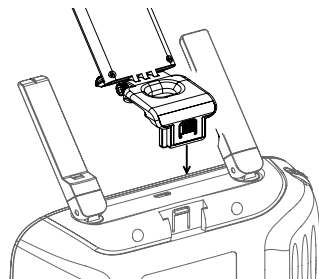
#### (4). Self-inspection and pairing

Power on the aircraft and put it still for at least 30 seconds as for self-inspection. The aircraft's indicator light turns from blinking blue or solid to blinking green or solid, thus the pairing between the aircraft and the remote controller has been successful.

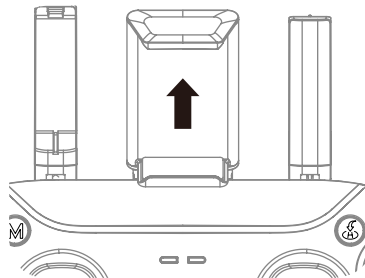


The indicator light turns from blinking blue to blinking or solid green.

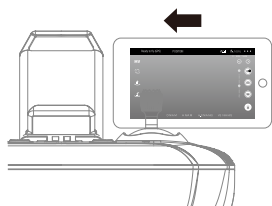
### 4). Mount the phone to the phone holder



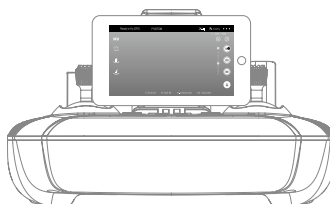
(1) Install the mobile phone bracket in the slot of the back of the remote controller as shown.



(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.

## 5). Connect with APP

### (1). Indications of GPS signal state when connecting with APP

The aircraft's indicator light turns solid green when the aircraft connects with the APP, which indicates strong GPS signal and successful positioning. Switch the flight mode to position hold mode and then let it take off.

That the aircraft's indicator light turns blinking green indicates weak or no GPS signal. Switch the flight mode to altitude mode (complicated operations, suitable for experienced pilot).

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

**Please choose wide and open flight environment. Tall steel buildings and metal materials will interfere the signal of the compass and the GPS.**

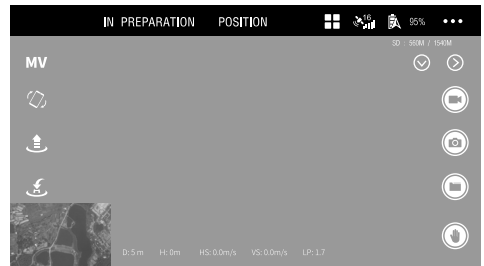
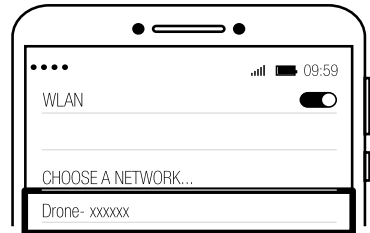
### (2). Connect with APP

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 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.**

## 6). Operate the aircraft

### (1). Takeoff

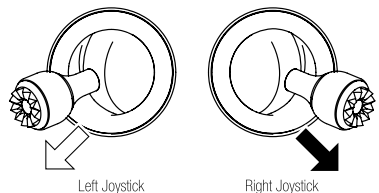
#### ○ Method 1: takeoff manually

When the aircraft's light turns from blue to green, toggle the left and right joysticks towards toe-out for at least 3 seconds to get the propellers started to rotate.

Slowly toggle the throttle joystick upward to control the aircraft to take off quickly, and then toggle the throttle joystick to let it ascend gradually.

#### ○ Method 2: one key takeoff

Long press the "One Key Takeoff/ Landing" button for 2 to 3 seconds. When the remote controller beeps B-B-B, the



aircraft will automatically take off and ascend to hover at the altitude of 1.2 meters.

## (2). Landing

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

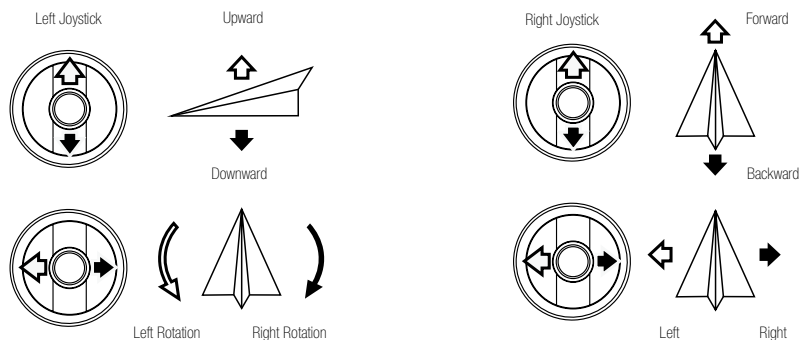
Slowly toggle the throttle joystick downward to control the aircraft to land slowly. When it lands, continue to toggle the throttle joystick to the lowest position until the propellers stop rotation.

### ☐ Method 2: one key landing

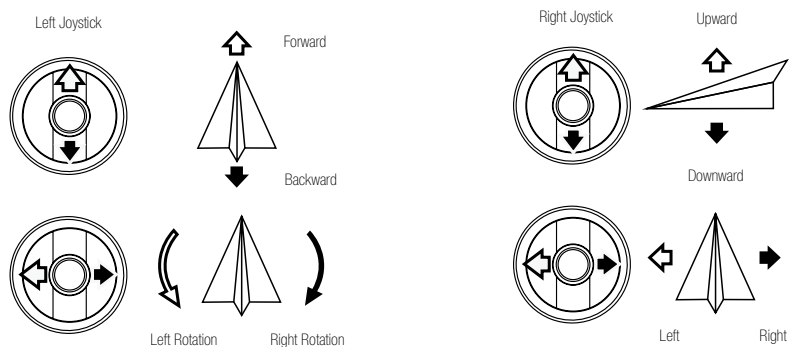
Long press the "One Key Takeoff/ Landing" button for 2 to 3 seconds. When the remote controller beeps B-B-B, the aircraft will land vertically and stop running.

## (3). Remote controller instruction

### ☐ Mode 2



### ☐ Mode 1



## (4). Switch mode 2 to mode 1

### ☐ switch to mode 2

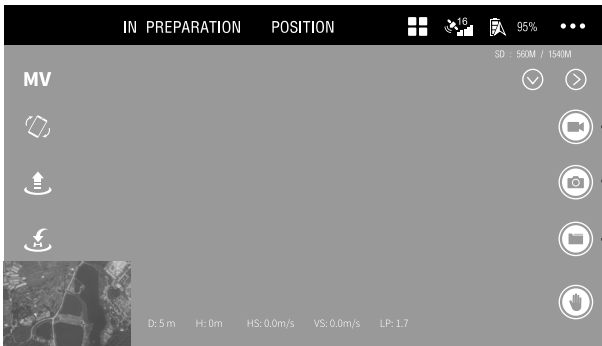
Toggle the left joystick to the lowest position and press the "One Key Takeoff/ Landing" button at the same time before turning on the remote controller. Then release the left joystick and the button as to enter mode 2.

### ☐ switch to mode 1

Toggle the right joystick to the lowest position and press the "Photo/ video" button at the same time before turning on the remote controller. Then release the right joystick and the button as to enter mode 1.

## 7). Photo and video

During the flight, you can use the "Photo / Video" button to take photos 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 changing 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 changing from red to white, indicating it has stopped recording.

#### ☐ **Aerial photography tips**

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

**Note:** As 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.

## 8). Flight mode

### (1). Position hold mode

#### ☐ **How to enter position hold mode**

- a. Default flight mode is GPS mode;
- b. When the drone is in altitude hold 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 its own location and hover steadily. Please choose an open and wide outdoor field before flight, and wait until the GPS has been turned on before flying it.

### (2). Altitude hold mode

#### ☐ **How to enter altitude hold mode**

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

#### ☐ **Indicator light status of the aircraft and the remote controller**

The left indicator light on the controller turns solid red.

#### ☐ **Notice**

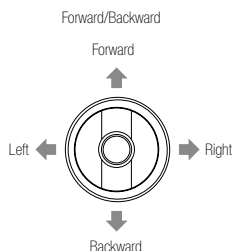
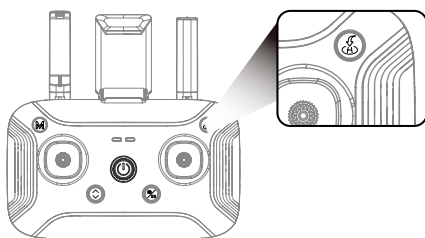
The aircraft in altitude hold mode requires pilots with experienced operation skills. However, certain environmental factors, such as airflow, might affect the flight, resulting in drifting or hovering failure.

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.

## 9). 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:

- 1) if the remote controller loses control;
- 2) if the aircraft battery is low.

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.

## 10). 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 of the 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 °C -28 °C .
- (3). If a battery is found to be damaged, please discharge the battery and dispose them properly according to the local regulations and laws.