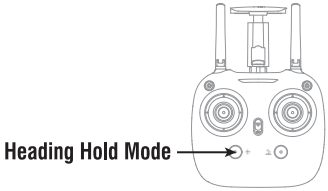
*Press the Heading Hold Mode button, the drone's left and right LED lights will start flashing alternately. This indicated that the drone has successfully entered Heading Hold Mode, and that you will now need to press the button again. From there, the LED goes to a solid color to indicate that you're good to go.



Low Battery Alarm

When the drone has low battery, the transmitter will beep twice to remind the user to land the drone as soon as possible.

When the remote has low battery, the transmitter will beep twice to remind the user to land the drone to replace the batteries as soon as possible or the drone may fly out of control.

Out of Range Alarm

When the drone is going to fly out of the maximum transmission range, the transmitter will beep three times to alarm the user to fly the drone back into range. If this is not done as quickly as possible, the drone may lose control and fly away.

When the Propellers and the Motor Get Stuck

When the propellers get stuck, the drone's LEDs will flash quickly and activate the Stuck Protection function. From there, the motors will stop running to ensure that they are protected.
Pull down the Left stick to the lowest position and the drone's LEDs will stay a solid color. The Stuck Protection function will be released and the drone can then fly again.

Using the Application

Downloading and Installing Flyingsee

Flyingsee is suitable for mobile phones with iOS and Android systems;
- For mobile phone with the iOS system, please search “Flyingsee” in the App Store.
- For mobile phone with the Android system, please search “Flyingsee” in the Google Play store.
- Scan the below QR code to download the Flyingsee App, otherwise.

Available on the App Store

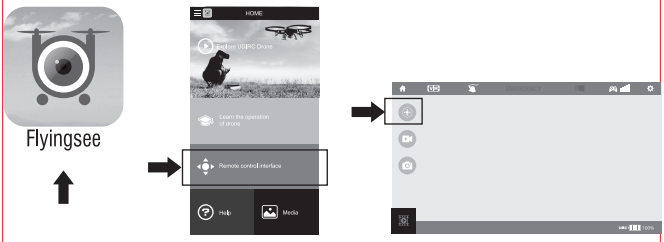
ANDROID APP ON Google play

Frequency Pairing between Mobile Phone and Drone WiFi:

1. Install the LiPo battery into the drone and power it on. Put the drone on a flat surface in horizontal position.

2. Enter “Set Up” on the mobile phone, turn on WiFi (WLAN) and choose udirc-****, then return to your desktop or home screen after successful connection.

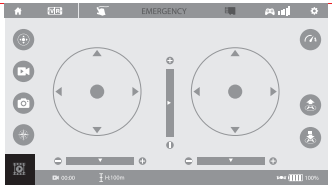
3. Click on the icon Flyingsee and click on to enter remote control interface to experience real time transmission.



Click on the icon **Home Page** **Real time Transmission Interface**

Enter the Virtual Control Interface; the LED lights will change from flashing to a solid color, which indicates successful frequency pairing and that the drone is ready to be controlled via the app.

Virtual Control Interface



Important Tip: Ensure the drone is put on a flat surface in a horizontal position so that it will function properly and maintain control.

Introduction for APP Icons

Home Page Icons

Explore UDIRC Drone

Learn the operation of DroneMedia

Remote control interface

Help

Media

Remote Control Interface

Home Page Icon

Click on the icon and go back to home page.

Virtual Reality Mode

Click on the icon to enter virtual reality mode to experience first person view (only available when using with a VR headset). Click on the icon again to exit from Virtual Reality Mode.

Flight Route Setting Mode

- Click on this icon and it will turn red. - Draw a flight route in the area you are going to be flying in. - The drone will then fly according to the flight route you have mapped out. - Click on the icon again to exit from Flight Route Setting Mode; the icon turns white.

EMERGENCY

Emergency Stop

- The icon is red by default. - Click this icon and the propellers will stop immediately. - The drone will fall down to the ground while in whatever position it was just flying in.

Tip: Do not use the emergency stop function unless in emergency situation.

TF Card

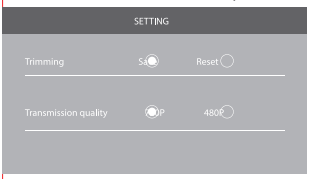
When you insert the TF card ID out of the drone camera, this the icon will show , When the TF card is in, ou will see this icon showing; .

Remote Control Signal

To show the drone's WiFi signal strength.

Setting

Click on this icon to set some parameters as below, and click again to exit.



Click on "Save" to save trimming setting.
Choose "Reset" for factory reset.
Select "720P" transmission quality.

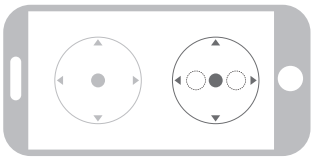
Remote Control

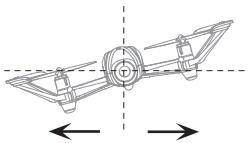
Virtual Control Stick

The virtual control stick is hidden by default. Click on the icon to turn on the virtual control stick.

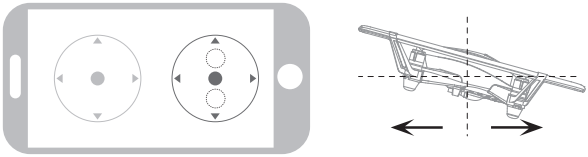
Gravity Induction Mode

Click on this icon to enter gravity induction control mode. (only available for flying left / right and forward / backward). Click on the icon again to exit from gravity induction control mode.





If the mobile phone shakes to the left / right, the Right Ball will move accordingly causing the drone to fly left / right.



If the mobile phone shakes to forward / backward, the Right Ball will roll forward / backward, causing the drone to fly forward / backward.

Video

Click on this icon to record video. The recording time will show at the bottom of the screen. Click on this icon again to finish recording.

Photo

Click on this icon to take photo.

Heading Hold Mode

Click on this icon and it turns red, which indicates that the drone enter Heading Hold Mode. Click again to exit from Heading Hold Mode. The icon turns white.

Media

Click on this icon to view or delete the aerial video and photo. Click on the arrow to exit.

High / Low Speed Mode

By default, the drone is in Low Speed Mode “L”. Click on “H” to enter High Speed Mode.

One Button Take Off

Click on this icon and it turns red shortly. The drone will fly up automatically and stay flying at an altitude of 1.2 meters.

One Button Landing

Click on this icon and the icon turns red, the drone will fly down slowly and land on the ground. All propellers also will stop running.

Altitude hold icon

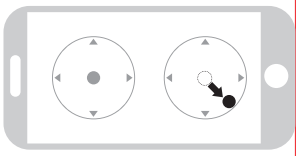
Indicates the drone’s altitude position as per the calibration level.

Drone battery status icon

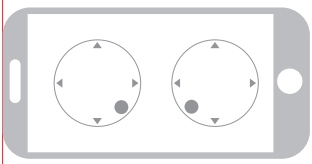
When the drone battery capacity drains to around 15%, your phone will vibrate to alarm you that the battery is going to run out and you need to fly back and replace the battery as soon as possible.

APP Calibration Instruction

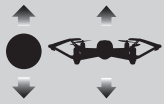
If the drone becomes difficult to operate and hover you will need to recalibrate again. Please refer to the Frequency Pairing between Mobile Phone and Drone WiFi. Do not push the Left Ball before successful calibration. Move the Right Ball as the picture shown on the right. The front light will begin to flash once you do, which indicates that the drone is calibrating. When the drone body front light changes to a solid color, this will indicate that a successful calibration has been completed and that the drone is ready to be controlled.



APP Flying Control



Hold left/right ball (refer to left picture) to push inward both 45 degree and activate the motors or press one button take off to activate the motors. The drone is ready to fly.



To fly up or down:

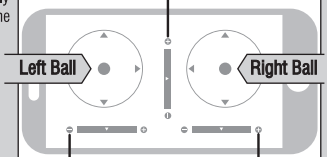
Move the Left Ball up to fly the drone up and move the Left Ball down to fly the drone back down.

If the drone tilts forward or backward

Click the "-" of the Forward / Backward Trimmer to adjust the drone till balance if the drone tilts forward. Click the "+" to adjust the drone till balance if the drone tilts backward.

To fly right or left: :

Move the Right Ball to the left to fly the drone to the left, and move the Right Ball to the right to fly the drone to the right.



To rotate left or right:

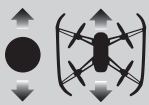
Move the Left Ball to the left to rotate the drone to the left. Move the Left Ball to the right to rotate the drone to the right.

If the drone rotates to left or right

Click the "+" of the Rotation Trimmer till balance if the drone rotates left. Click the "-" to adjust the drone till balance if the drone rotates right.

If the drone tilts to the left or right

Click the "+" of the Left / Right Trimmer till balance if the drone tilts to the left. Click the "-" to adjust the drone till balance if the drone tilts to the right.



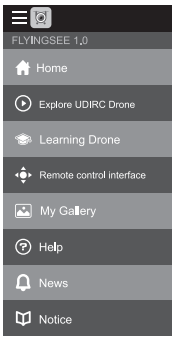
To fly forward or backward:

Move the Right Ball up to fly the drone forward, and move the Right Ball down to fly the drone backwards.

Notice:

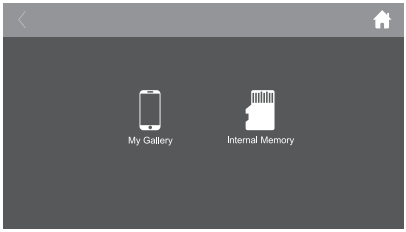
1. If you can not find the WiFi signal to connect, reset it to search and connect.
2. The available WiFi control radius/distance is 40m, so stay within this range.
3. When alternating control from mobile phone to transmitter, the transmitter's Left stick must be in the center position, or exit from the app.

Display the photos and videos



Main menu

To view the photos and videos.



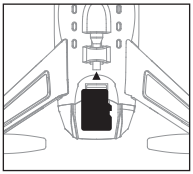
Media interface

Notice: App must be authorized to access the phone gallery. If it's not authorized to do so, you will not be able to display the videos and photos.

The photos are stored in the local phone gallery and TF card, while the videos are only stored in the TF card. You will need to download the videos to the phone's gallery and display them there.

Taking a Photo and Recording a Video

1. Insert the TF card into the slot in accordance with Picture 18. Make sure the metal side of the card faces up properly.



Picture 18

2. The photo will be saved in your mobile phone and the TF card, while videos can only be saved in the TF card. Although, you can also download the video to your mobile phone while connecting the drone WiFi and the TF card.

Tip: Click on the video icon to save a video when ending the recording, or the video cannot be saved.

3. Power off the drone first when you are finished with aerial photography.
4. Take out the TF card and insert it into a card reader.
5. Connect the card reader with the computer USB port; after a short time you can then view the aerial photography data from “my computer” or ”mobile disk”, whichever is relevant.

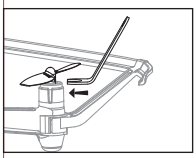
Tip: Please play the video or photo after copying all aerial photography data to computer and make sure the play software can support AVI format.

Basic parameter for aerial camera: Video DPI 1280*720P;
Image Size 1280*720P.

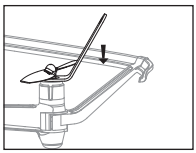
Spare Parts Installation Instruction

Propeller Installation Diagram

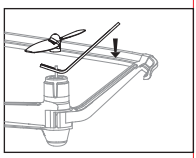
When disassembling the drone for propeller installation, insert the wrench between the propeller and the motor (Picture 19), press down the wrench, and pull the propeller in a vertical direction (Picture 20/21).



Picture 19



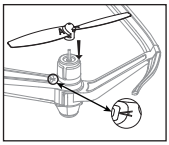
Picture 20



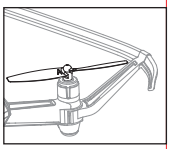
Picture 21

Before installing the propeller, please inspect the drone arm and relative letters A or B on the propellers carefully to make sure the two letters are identical at the time of installation. When you are installing them, aim the propeller hole at the motor shaft and press it down (Picture 22).

The propeller's bottom should be in the same parallel surface after it has been installed (Picture 23).



Picture 22

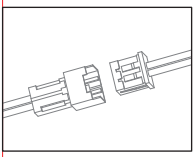


Picture 23

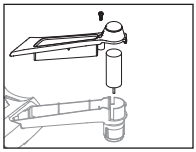
Notice: Ensure that the propellers have been installed correctly to ensure that the drone's flight will not be compromised.

Motor Replacement Diagram

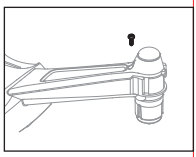
When disassembling as per Pictures 19/20/21, remove the propeller and remove the screw of the motor holder (Picture 25), pull out the motor holder, unplug the motor connector and then take out the motor.
Plug the required motor connector into the motor socket (Picture 24) and put the motor into upper holder and then lower holder, and tighten the screw (Picture 26).
Finally as per above picture 22/23, install the propeller.



Picture 24



Picture 25

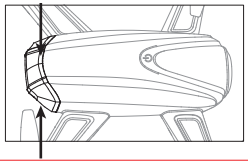


Picture 26

Notice: The motor's rotating direction should be the same; if not it will not work.
After flying the drone for some time, the motors will have some performance reduction, which is normal; it's suggested to buy new motors for replacement.
Battery Installation Diagram

- When disassembling, you need to squeeze up and down on the battery buckle and then pull out the battery (Picture 27).
- When assembling, put the LiPo battery precisely where it's supposed to go (Picture 10).

Notice: When assembling, ensure the sticker and the LiPo battery are aligned in the upper side.



Picture 27

Troubleshooting Guide

No.	Problem	Problem Cause	Solution
1	The transmitter indicator light is off	1. Low battery. 2. The battery positive pole and negative pole are in reverse order. 3. Poor Contact.	1. Replace the transmitter battery. 2. Install the battery in compliance with the user manual. 3. Clean the dirt between the battery and the battery slice.
2	Fail to pair the drone with transmitter	1. Indicator light is off. 2. There is interfering signal nearby. 3. Improper operation. 4. The electronic component is damaged from a crash.	1. The same as above 1.2.3. 2. Restart the drone and power on the transmitter. 3. Operate the drone step by step in compliance with the user manual. 4. Buy spare parts from local seller and replace damaged parts.
3	The drone is under-powered or can not fly.	1. The propeller deformed. 2. Low battery. 3. Incorrect installation of propeller.	1. Replace the propeller. 2. Recharge the drone battery. 3. Install the propeller in compliance with the user manual.
4	The drone could not hover and tilts to one side.	1. The propeller deformed seriously. 2. The motor holder deformed. 3. The gyro did not reset after violent crash. 4. The motor is damaged.	1. Replace propeller. 2. Replace the motor holder. 3. Put the drone on the flat ground for about 10 seconds or restart the drone to calibrate again. 4. Replace motor.
5	The drone indicator light is off.	1. Low battery. 2. The battery has expired 3. Poor contact.	1. Recharge the drone battery. 2. Buy a new battery from local seller to replace the battery. 3. Disconnect the battery and then connect it with the plug again.
6	Could not see the picture.	1. Did not connect the wire of camera box or poor contact. 2. There is interfering signal nearby. 3. Damaged camera.	1. Check the wire and connect well. 2. Cut off the wire and re-connect. 3. Buy a new camera box from local seller to replace.
7	Hard to control by cellphone.	1. Not experienced enough.	1. Practice and read the cellphone controlling instruction carefully.

FCC Information

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 residential protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference to one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on the circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.
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.

MADE IN CHINA