

## MOBILE PHONE WIFI APP

### Download and install the App: udirc-FPV

The App is compatible with mobile phones running iOS or Android.

Please download the app from the App Store or Google Play:

1. Scan the QR code below or the QR code on the product box to download the App: (Picture 14, Picture 15 and Picture 16)
2. iOS system: please search udirc-FPV in APP Store.
3. Android system: please search udirc-FPV in Google Play.



Available on the  
App Store

Picture 14



ANDROID APP ON  
Google play

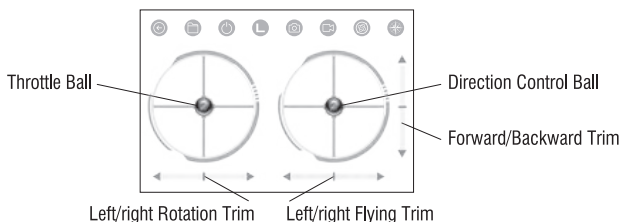


Picture 15

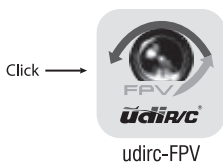


Picture 16

## FREQUENCY PAIRING BETWEEN MOBILE APP AND DRONE



1. Before pairing the mobile app to the drone, please refer to Page 7 - "Pre-flight Operations" for successful frequency pairing.
2. After successful pairing, go to Settings on your mobile phone to turn on your Wi-Fi (WLAN). You should find the network: "udirc-FPV-...". Join the "udirc-FPV-..." network and then return to homescreen.
3. Go to your downloaded mobile app "udirc-FPV" (Picture 17) and you will see the app interface (Picture 18).

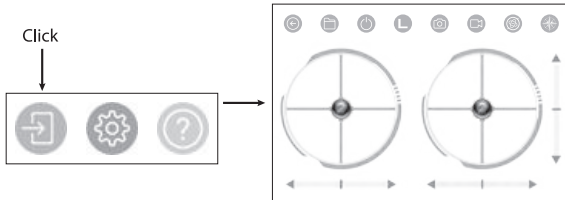


Picture 17



Picture 18

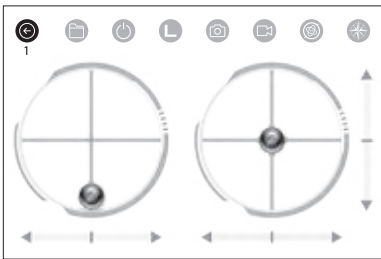


4. Click icon  to enter remote control interface (Picture 19)



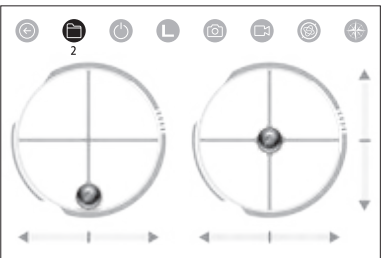

Picture 19

## MOBILE APP FLIGHT CONTROLS

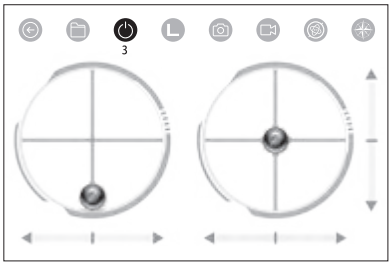


1. To go back to main menu

 <p>A screenshot of the remote control interface. The top bar has eight icons. The first icon, a circle with a left-pointing arrow, is highlighted with a '1' below it. The rest of the interface (joysticks, slider, and arrows) is identical to Picture 19.</p>	<p>Touch the  icon to return, and exit from interface.</p> 
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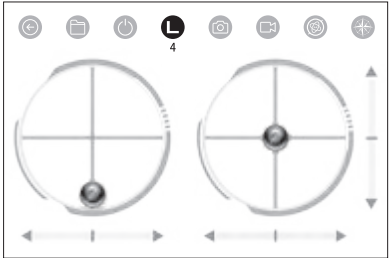


2. To view photo and video files

 <p>A screenshot of the remote control interface. The top bar has eight icons. The second icon, a folder, is highlighted with a '2' below it. The rest of the interface is identical to Picture 19.</p>	<p>Touch the  icon to view photos and videos</p>
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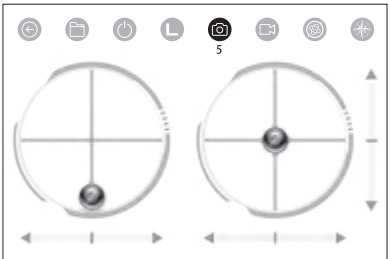

### 3. To view screen without controls

	<p>Touch the  icon to view</p> <div data-bbox="657 267 911 430"></div> <p>your screen without controls</p>
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### 4. High/Low speed mode

	<p>Touch the  icon (Low Speed), to switch to the  icon High Speed).</p>
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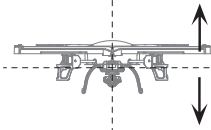
### 5. To take photos

	<p>Touch the  icon once to take a photo.</p>
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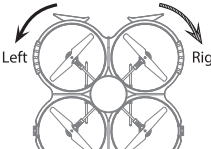
## 6. To record videos

	<p>Touch the  icon to record a video, and touch the  icon again to stop recording.</p>
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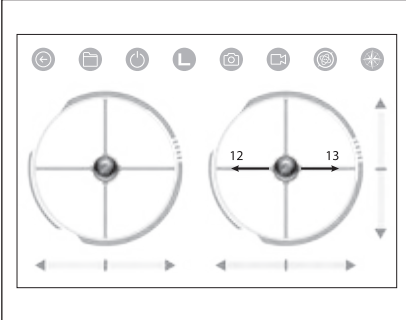
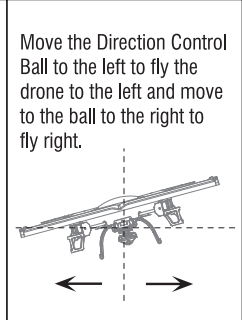
## 7. To fly up and down

	<p>Move the Throttle Ball up to fly the drone up and move the Throttle Ball down to bring the drone back down.</p> 
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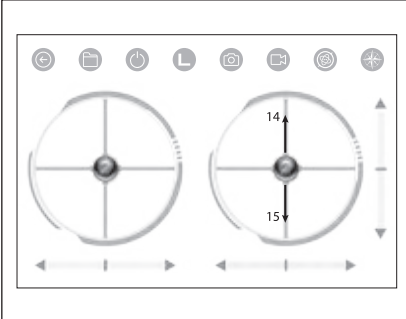
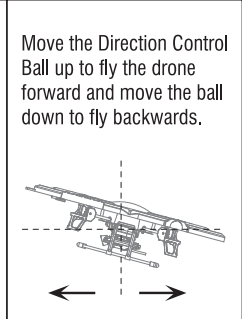
## 8. To rotate left and right

	<p>Move the Throttle Ball to the left to rotate the drone to the left. Move the throttle to the right to rotate right.</p> 
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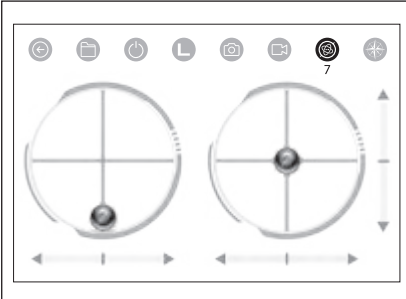

### 9. To fly left and right

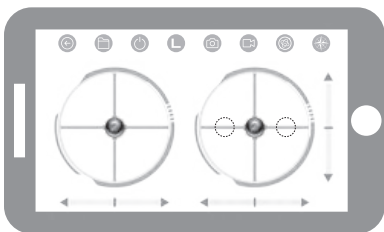
	<p>Move the Direction Control Ball to the left to fly the drone to the left and move to the ball to the right to fly right.</p> 
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### 10. To fly forward or backwards

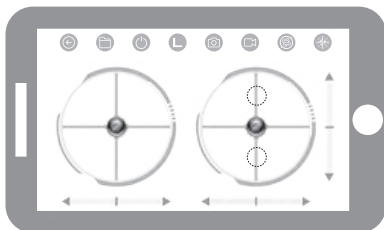
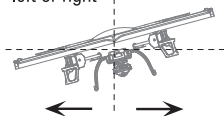
	<p>Move the Direction Control Ball up to fly the drone forward and move the ball down to fly backwards.</p> 
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### 11. To turn on Gravity Induction Mode

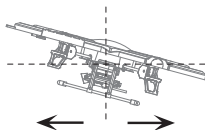
	<p>Touch the  icon to enter gravity induction mode, which is only available for flying left/right and forward/backward.</p>
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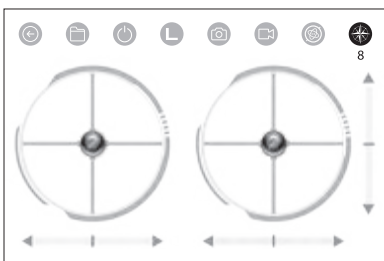
If the mobile phone shakes to the left/right, the direction control ball will move accordingly causing the drone to fly left or right




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



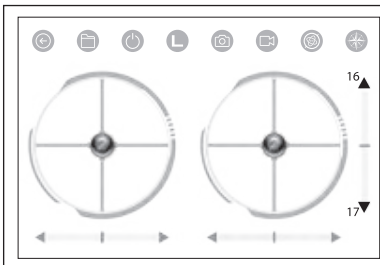
## 12. To turn on Headless Mode



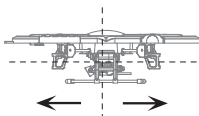
Touch the  icon to enter headless mode.

Touch the  icon again to exit from headless mode.

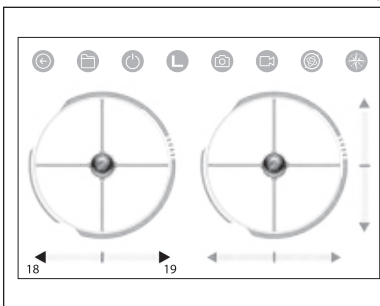
### 13. If the drone tilts forward or backwards



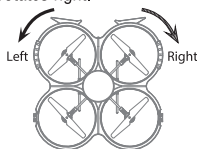
Adjust the Forward/Backward Flying Trim down if the drone tilts forward; and adjust the trim up to balance if the drone tilts backwards.



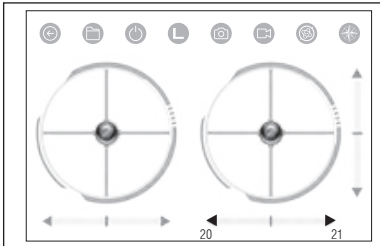
### 14. If the drone rotates to the left or right



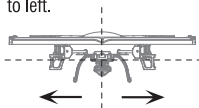
Adjust the Left/Right Rotation Trim to the right if the drone rotates left; and adjust the trim to the left to balance if the drone rotates right.



### 15. If the drone flies left or right



Adjust the Left/Right Flying Trim to the right if the drone flies left; and adjust the trim to the left to balance if the drone flies to left.



#### Note:

1. If you cannot find the WiFi signal to connect, turn off WiFi and turn on again to search and connect.
2. The available WiFi control radius is 25m, please control the drone within this range.
3. When changing control methods from mobile phone to transmitter, or transmitter to mobile phone, pull the Throttle Stick to the lowest position.

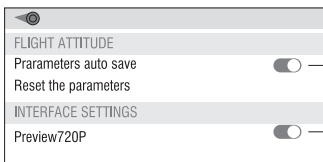
## APP SETTINGS

In the interface, click the gear icon (Picture 20) and you'll see Picture 21

Click →



Picture 20



Picture 21

### Trim Settings:

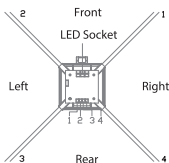
Turn on to store the trim setting data, Turn off and the trim setting data will not be stored.

### Video Quality:

Turn on for 720P mobile phone preview, Turn off for 480P mobile phone preview.

## ADDITIONAL INSTRUCTIONS FOR RECEIVING BOARD

The drone works best when the motor wires are connected with the receiving board as shown below. (Picture 22)



Picture 22

Connect No. 1 socket of receiving board with right-front motor wire.

Connect No. 2 socket of receiving board with left-front motor wire.

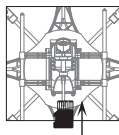
Connect No. 3 socket of receiving board with left-rear motor wire

Connect No. 4 socket of receiving board with right-rear motor wire.

## VIDEO AND PHOTO OPERATIONS

**Camera Specifications:** Video DPI 1280\*720P/30FPS; Image Size 1280\*720P

1. Insert the SD card into the card slot on the camera (Picture 23) . Please note that the metal side of the card must face up.
2. When taking photos, the mobile phone and SD card will store the pictures. When recording video, the video will only be stored in the SD card. You can preview or download the video on your mobile phone only when the SD card is in the camera box and the drone is connected with the transmitter.



Picture 23

**NOTE:** Press the Video Button to save a video when finish recording, or the video cannot be saved.

3. Power off the drone when finished with photography. Take out the SD card and insert the card into to enclosed card reader. Plug the card reader into any available USB port of your computer or laptop. View the images/videos from "My Computer".

**Tip:** Please play the video or photo after copying all photos and/or videos to your computer and make sure the video/photo format is supported on your computer.

For Mac Users: Insert the SD card from the drone into a SD adapter that fits into the USB port of your Mac. After you have inserted the card reader, iPhoto should ask you if you want to download the photos/videos.



## TROUBLESHOOTING GUIDE

No.	Problem	Possible Cause	Solution
1	The transmitter indicator light is off	1. The transmitter battery is too low.	1. Replace the battery.
		2. The battery's positive pole and negative pole are in reverse order.	2. Install the battery in accordance with the user manual.
		3. Poor connection.	3. Clean any dirt between the battery and drone connectors.
2	Failure to pair the drone with transmitter	1. Indicator light is off.	1. The same as above (1.2.3.)
		2. There is interfering signal nearby.	2. Restart the drone and power on the transmitter.
		3. Misoperation.	3. Operate the drone step by step in accordance with the user manual.
3	The drone is under-powered or cannot fly.	1. The blades are deformed / damaged.	1. Replace the blades.
		2. Drone battery is low.	2. Recharge the drone battery.
		3. Incorrect installation of blade.	3. Install the blade in accordance with user manual instruction.
4	The drone doesn't hover and tilts to one side	1. The blades are deformed / damaged.	1. Replace blade.
		2. The motor holder may be deformed.	2. Replace the motor holder.
		3. The gyro did not reset after a crash.	3. Put the drone on the flat ground for about 10s or restart the the drone to calibrate again.
		4. The motor is damaged.	4. Replace motor.
5	The drone indicator light is off	1. The drone battery is too low.	1. Recharge the drone battery.
		2. The battery is expired or over charge protection.	2. Replace with a new battery.
		3. Poor connection.	3. Disconnect the drone power connector then re-connect.
6	Cannot see pictures or videos	1. Camera box is poorly connected.	1. Check the wire and re-connect if needed.
		2. SD card needs to be reformatted.	2. Try reformatting your SD card, if that doesn't work, replace the SD card.

## SPARE PARTS



U818A WIFI-01  
Main Frame

U818A WIFI-02  
Blade

U818A WIFI-03  
Drone Cover

U818A WIFI-04  
Base Leg



U818A WIFI-05  
Carbon Tube  
and Tooth Gear

U818A WIFI-06  
Standard Motor  
(Red and Blue Wire)

U818A WIFI-07  
Reverse Motor  
(Black and  
White Wire)

U818A WIFI-08  
Standard Motor  
Parts (Blue Light)

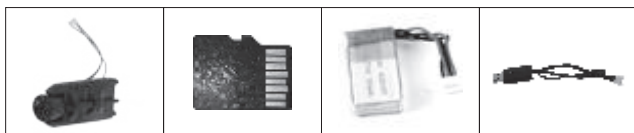


U818A WIFI-09  
Standard Motor  
Parts (Red Light)

U818A WIFI-10  
Reverse Motor  
Parts (Blue Light)

U818A WIFI-11  
Reverse Motor  
Parts (Red Light)

U818A WIFI-12  
Receiving Board



U818A WIFI-13  
Camera Box

U818A WIFI-14  
SD Card

U818A WIFI-15  
Battery

U818A WIFI-16  
USB Wire



U818A WIFI-17  
Card Reader

U818A WIFI-18  
Transmitter

## **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 by 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.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.