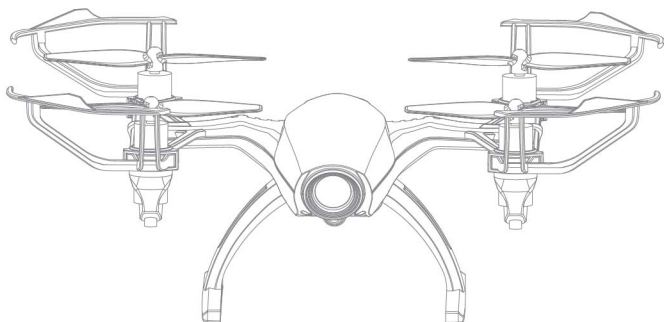


PEREGRINE



WiFi 720P 120° Wide-angle HD Camera



Instruction Manual

U28W



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Thank you for buying this product. This remote control model is designed for easy operation but with great functions such as altitude hold and 3D stunts. Please read the user manual carefully and following all instruction. Keep this user manual for further reference about daily maintenance.

1. Important Statement:

- (1) This product is not a toy but a piece of complicated equipment which is integrated with professional knowledge of mechanics, electronics, air mechanics, high-frequency emission etc., so it should be installed and adjusted correctly to avoid accidents. The user must always operate in a safe manner. We undertake no liability for human injury or property damage caused by improper operation as we could not control the procedure of installation, use and operation of this drone.
- (2) This drone is suitable for experienced RC drone users aged 14 years or above.
- (3) The flying field must be legally approved by your local government. Do not fly the drone near in the airport.
- (4) We undertake no liability for those accidents caused by improper operation, use and control of the drone after sale of the product.
- (5) We have entrusted the distributor to provide technology support and after-sale service. If you have any questions about use, operation, repair etc., please contact FORCE1RC at support@force1rc.com
- (6) Keep the packing and user manual so as to refer to the important information whenever.

DUE TO THE WEIGHT OF THIS DRONE BEING JUST 2.5OZ, IT IS WELL BELOW THE FAA LIMITS OF 8OZ AND DOES NOT NEED TO BE REGISTERED WITH THE FAA

2. Safety Precautions:

- (1) Use correctly
For safety elements, please only use UDIRC's spare parts to replace the damaged parts. Improper assembly, broken main frame, defective electronic equipment or unskilled operation all may cause unpredictable accidents such as drone damage or human injury. Please pay special attention to safety operation and have good knowledge of accident responsibility that the user may cause.
- (2) Keep away from obstacles and crowd
The speed and status of a flying RC drone is uncertain and it may cause potential danger. So the user must keep away from crowds, tall buildings, power lines etc. when operating a flying RC drone. Do not fly a RC drone in rain, storms, thunder and lighting weather for the safety of user, around people and their property.

(3) Keep away from humid environment

The drone is made of precise electronic components. Humidity or water vapor may damage electronic components and cause an accident.

(4) Safe operation

Please operate the RC drone in accordance with your physical status and flying skill. Fatigue, listlessness and improper operation may increase the rate of accident.

(5) Keep away from rotating parts

Rotating parts like propellers or motors may cause serious injury and damage. Keep face and body away from rotating parts.

(6) Keep away from heat

The RC drone is made of metal, fiber, plastic, electronic components etc. Keep away from heat and sunshine to avoid distortion and damage.

(7) Do not touch the hot motor to avoid being burnt.

(8) Please use the recommended charger only. Power off the drone before cleaning the RC drone. Check the USB cable, charging plug etc. regularly to ensure they are working well. If there is any damage, stop using it immediately until it is fixed.

LiPo Battery Care Instructions

Temperature:

- Heat is a known factor. If a battery is pushed beyond 60°C during discharging or charging, problems could occur due to metallic lithium generation, which damages the cell.
- After a flight, you may find your batteries are warm to touch. It may be a good idea to give the batteries a chance to cool down a little before recharging.

Storage:

- Please store batteries at normal room temperature and avoid direct exposure to sunlight or heat. When storing LiPo / Li-Ion batteries for any length of time, they should ideally be stored at a temperature of between 5°C & 27°C.
- If you have a battery pack sitting on the shelf, fully charged, never try topping it up till it has been partially or fully discharged!

Usage:

- There should be a time interval between charging and using battery.
- Please make sure you time your flights to leave about 20% power remaining in the batteries (instead of completely draining them down) as that would prolong battery life and you can enjoy more cycles!
- If the battery is pushed beyond its limits, the battery could get hot and the performance will drop.
- When using the battery for a long time, the quantity of heat of your battery will increase. If it is sealed, the air inside will inflate rapidly causing heating.

Charging:

- Do NOT overcharge the battery. It may cause overheating and in turn this overheating could damage the unit.
- Never try charging a pack that has been crashed or is damaged, you run the risk of fire! Cells that are obviously swollen or have physical damage should never be used and careful disposal is required, especially if the cells are swollen.
- Try plugging in another charger if one is available and see if the issue persists. If the charger is defective you should discard it immediately and process a warranty return if still under warranty or contact our support team at support@force1rc.com so we can arrange to ship you a replacement charger and/or batteries.
- Remove the battery from the device, inspect the battery and battery connections.
- Ensure there is no damage to the battery, battery pins or contacts on the device. If you have damage to the battery or charging pins, please discontinue use and contact us at support@force1rc.com for repair/ replacement.
- After crashing the quadcopter please check battery connectors and battery properly.
- If any part is damaged get spare parts from a UDI reseller.
- Please use genuine factory spare parts replacements from UDI RC or Force1RC only.

Charging Instructions for Drone Battery

1. Connect the drone battery to the USB plug first and then choose one of the methods below to connect with USB plug.
2. The red USB indicator light lights up when charging. The light turns green when fully charged.
3. If you do not fly the drone in more than one week, store the drone battery with about 50% power to keep its performance and working life.
4. Li-Po battery is included in spare parts and please pay attention to the safety notice.

Precautions:

- Do not put the battery in a high temperature place, such as fire or heating device to avoid damage or explosion.
- Do not use the battery for any purpose other than with the drone.
- Do not put the battery in water and store in dry place.
- Do not open the battery.
- Do not leave the battery without supervision when charging.
- Please use the recommended charger only.
- Check the charger's wire and plug surface regularly. Do not use a broken charger.
- When the transmitter has low battery, the transmitter will beep constantly to remind the user to land the drone as soon as possible and replace batteries. Failure to do so could put the drone out of control.
- When the drone has low battery, the transmitter will beep constantly and the drone body lights will change from flashing to solid bright to remind the user to land the drone as soon as possible. Failure to do so could lead to a crash.

Charging Methods



Phone
Charger



USB



Power
Bank

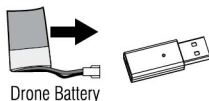


Computer



Car
Charger

NOTE: For faster charging, it is recommended to use a 5V 2A Adapter (not enclosed) to charge the battery.



Li-Po Battery Disposal & Recycling

Wasted Lithium-Polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the supplier of your model or your nearest Li-Po battery recycling center.

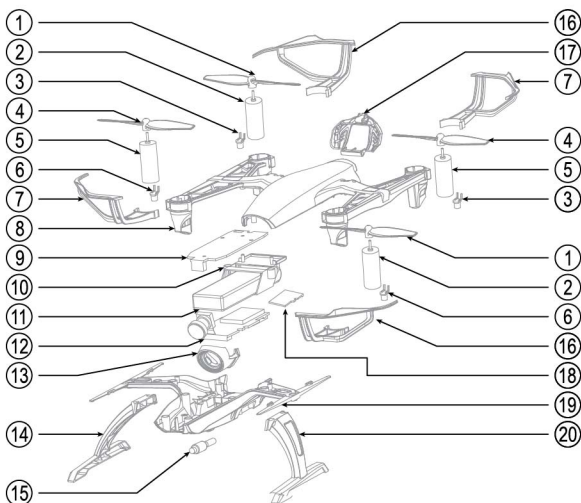
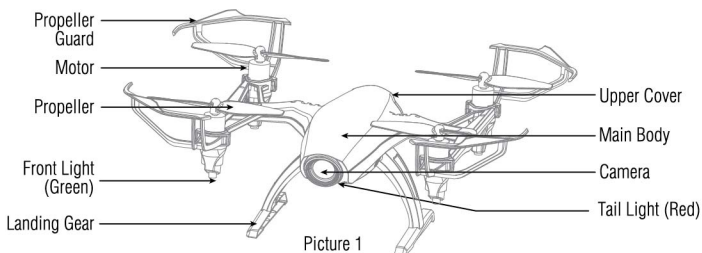


Checklist Before Flight

- (1) Flying field must spacious enough and we suggest at least 26ft (length)*26ft (width)*16ft (height).
- (2) Make sure the drone battery and transmitter battery are fully charged.
- (3) Make sure the Left Stick of the transmitter is in the middle position.
- (4) Please strictly follow instructions before operation. Turn on the transmitter power first and then turn on the drone power before flying; turn off the drone power first and then turn off the transmitter power when finished flying. Improper turn on and turn off order may cause the drone to lose control and crash.
- (5) Make sure the connection is solid between battery and drone etc. The ongoing vibrations may cause bad connection of power terminal resulting in the drone going out of control.
- (6) Improper operation may cause drone crash, which may render a motor defective and noisy, and then effect the flying status or even stop flying. Please go to www.force1RC to buy new parts for replacement so that the drone will return to its best condition.
- (7) The drone should be controlled within max control distance. Do not fly the drone near tall buildings, high voltage cables or other places with signal interference. This may cause signal interruption and the drone will lose control, which may result in a crash.

Drone & Transmitter Overview

1. Drone

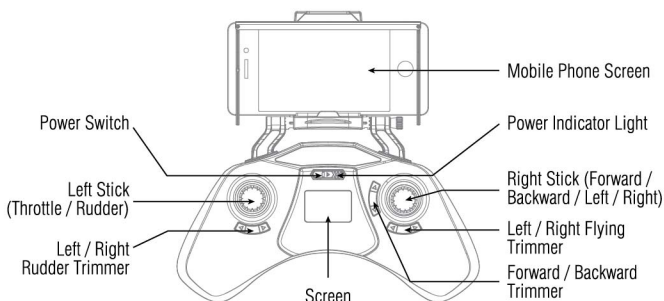


No.	Name	No.	Name
1	A Propeller (Clockwise)	11	Drone Battery
2	Clockwise Motor (Red and Blue Wire)	12	Camera Board
3	Tail Light (Red)	13	Camera Cover
4	B Propeller (Counterclockwise)	14	Right Landing Gear
5	Counterclockwise Motor (Black and White Wire)	15	Camera Antenna
6	Front Light (Green)	16	Left Propeller Guard
7	Right Propeller Guard	17	Battery Cover
8	Upper Cover	18	SD Card
9	Receive Board	19	Lower Cover
10	Battery Holder	20	Left Landing Gear

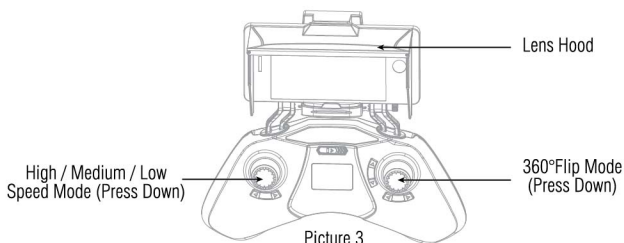
Specification

Drone Size	6"X6.5"X2.5"	Charging Time for Drone Battery	60-75 minutes
Drone Weight	2.5oz	Max Flying Distance/Radius	98 Ft
Propeller Diameter	2"	Max Image Transmission Distance/Radius	65 Ft
Flying Time	6-8 minutes	Camera Resolution	1280x720P
Remote Control Technology	2.4Ghz	Transmitter Battery	4xAAA Alkaline Batteries
Drone Battery	3.7V 500mAh	Main Motor	8520x4

2. Transmitter

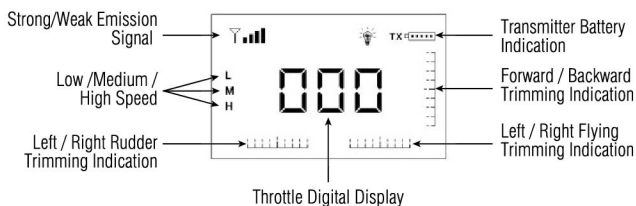
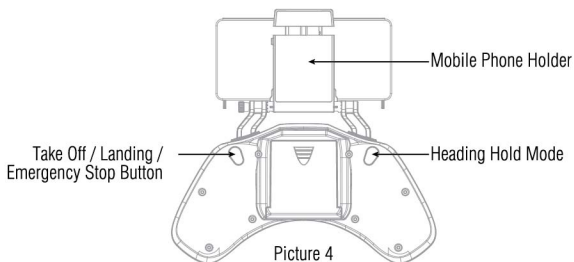


Picture 2



Picture 3



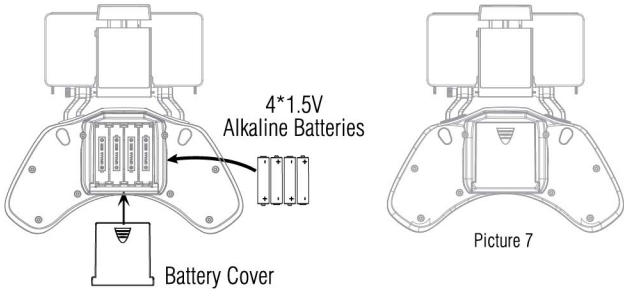


Transmitter Button Functions

High / Medium / Low Speed Mode	Press down the Left Stick to switch to High / Medium / Low Speed
Left Stick	Move the Stick to forward / backward / left / right to fly the drone to up / down / turn left / turn right.
Right Stick	Move the Stick to forward / backward / left / right to fly the drone to forward / backward / left / right.
Left / Right Rudder Trimmer	Press the button till the drone becomes balance if the drone rotates to the left or right.
Forward / Backward Trimmer	Press the button till the drone becomes balance if the drone drifts forward or backward.
Left / Right Flying Trimmer	Press the button till the drone becomes balance if the drone tilts to the left or right.
Power Switch	Move the power switch to the right to turn on the transmitter, and move to the left to turn off.
Heading Hold Mode	Press the button to enter heading hold mode, and press again to exit from heading hold mode.
Take Off / Landing / Emergency Stop Button	Press the button and the drone will fly up automatically. Press the button again and the drone will landing on the ground automatically. Press and hold the button more than 1s, the drone propellers will stop and fall down immediately.

Transmitter Battery Installation

Open the battery cover at the back of the transmitter and install 4 AA alkaline batteries (not included) in accordance with electrode instructions.



Picture 6

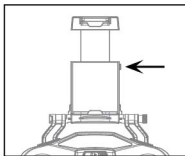
Picture 7

Caution:

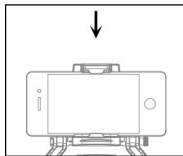
1. Make sure the batteries are installed correctly by matching the electrodes.
2. Do not mix new and old batteries.
3. Do not mix different kinds of batteries.

Attaching your Mobile Phone to Transmitter

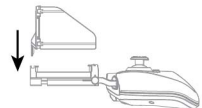
1. Press the self-locking switch on the top right side of the mobile holder and push the holder to a fully open position (Picture 8).
2. Place the mobile phone facing frontward position, pull the mobile phone holder down, and press tightly as possible to secure the mobile phone and transmitter. (Picture 9)
3. Insert the lens hood into the slot and make sure the lower edge of the lens hood is as close to the mobile phone as possible (Picture 10).



Picture 8



Picture 9



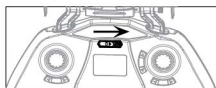
Picture 10

Pre-Flight Operation Instruction

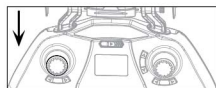
Frequency Pairing

1. Turn on the transmitter switch (Picture 12) and the power indicator light flashes rapidly. Push the Left Stick all the way down to the lowest position and then release. The Left Stick will move back to the middle position automatically. (Picture 13 / 14) The power indicator light will flash slowly, this indicates the transmitter is ready for frequency pairing.
2. Install the battery in the drone battery box and then connect the plugs to power on the drone. Close the drone battery cover (Picture 15/16)
3. Put the drone on a flat surface, the drone body lights turn from flashing to solid bright, the drone has successfully pairing.

Important Notice: Please make sure the drone is placed on the horizontal position after powering on the drone, so that the drone can work well.



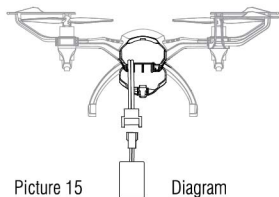
Picture 12



Picture 13



Picture 14



Picture 15



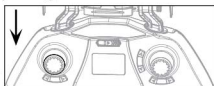
Picture 16

Diagram

Calibration Instructions

Please follow below steps to calibrate the drone if the drone becomes imbalanced after crashing during the flight, and can not be adjusted by the trim buttons.

1. Power off the drone, then turn off the transmitter.
2. Turn on the transmitter switch, push the Left Stick all the way down to the lowest position (Picture 17) and then release. The Left Stick will move back to the middle position automatically (Picture 18). The transmitter is ready for frequency pairing mode.



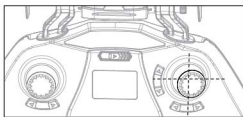
Picture 17



Picture 18

3. Power on the drone and put it on a flat surface in a horizontal position. The drone body lights change from flashing to solid bright, which indicates successful frequency pairing.

4. Do not move the Left Stick before successful calibration. Push the Right Stick (Picture 19) and then release. The drone body lights will flash, indicating that the drone is calibrating. Once the drone body lights remain solid, the drone has been successfully calibrated.



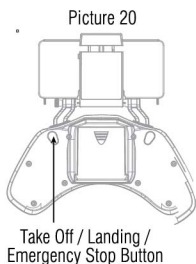
Picture 19

Notice: Failure to calibrate may cause loss of drone function

Modes

Two Take Off Modes

1. Method 1 (Manual Take Off): Push the Left Stick and Right Stick as shown in Picture 11 to start the motor and then release. Then use the Left Stick to control the altitude of the drone.
2. Method 2 (One Button Take Off): Press the Take Off / Landing / Emergency Stop Button (Picture 20), the drone will fly up automatically and keep flying at an altitude of approximately 1.2 meters.



Picture 20

Three Landing Modes

1. **Standard landing:** Push the Left Stick all the way down to the lowest position and hold it until the motors stop and the drone lands on the ground.
2. **One button landing:** Press the Take Off / Landing / Emergency Shut Down button once and the drone will automatically descend slowly until it lands on the ground.
3. **Emergency landing:** If you find yourself in a situation where you need to perform an emergency landing, press the Take Off / Landing / Emergency Shut Down button immediately and hold it for about 1 second. The motor will stop immediately and the drone will land on the ground.

Low/Medium/High Speed Mode

By default, the drone is in Low Speed Mode. Press the Low/Medium/High button and the transmitter will beep and enter High Speed Mode.

1. Low Speed Mode is suitable for beginners.
2. Medium Speed Mode is suitable for intermediate pilots
3. High Speed Mode is suitable for expert pilots

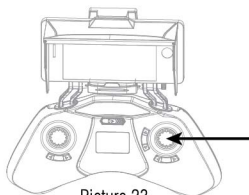


High / Medium / Low Speed Mode (Press Down)

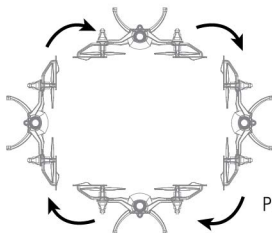
Picture 22

Flip Mode

To do flips, first press the Flip Mode button on your controller, you will hear a constant beep noise which indicates that the drone is ready to flip. Push the Right Stick to the utmost direction of your choice and the drone will flip accordingly. After the drone performs 1 flip, the drone will automatically exit from flip mode.



Picture 23



Picture 24

Note: The flip function is unavailable when the drone battery is low and also during Headless Mode.

Warning: Your flying field must be spacious while performing flips.

Headless Mode

Drones generally have a front and back indicated by LED lights or colored propellers. Before take off, users are instructed to position the head of the drone away from the user. When flown in daylight or at a far distance, determining which side is the front or back becomes difficult.

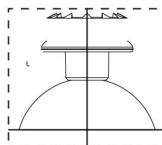
When the drone is in Headless Mode, push the Right Stick forward/backward/left/right and the drone will fly accordingly.

▲Emergency Stop: When the drone in emergency situation and going to hit the walking people or obstacle etc., press the Take Off / Landing / Emergency Stop Button immediately and hold it for more than 1s. The propellers will stop immediately.

WARNING: Do not use the emergency stop function unless in emergency situation. The drone will fall suddenly which may cause damage.

Altitude Hold Mode

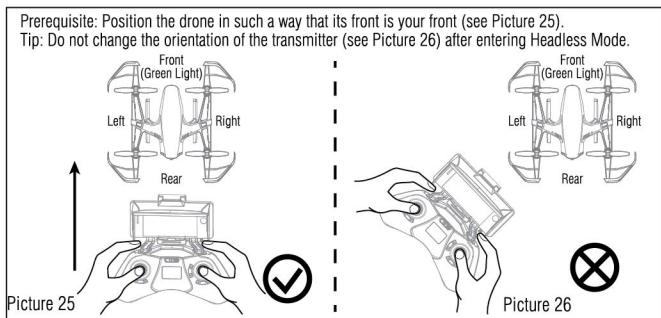
Altitude hold mode allows the drone to maintain a consistent altitude while still allowing the operator to fly normally. This makes flying much easier for beginners and allows for better quality aerial photography.



Altitude Hold Center

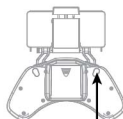
Picture 21

To activate the Altitude Hold function, push the Left Stick up or down to fly the drone up or down at a certain altitude of choice, then release the stick back to the center position as shown in the image to the right. The drone will continue to fly at the current altitude. Repeat the steps below if you want to change the drone altitude.



To turn on Headless Mode, press Headless Mode button and the drone LED lights flash, which indicates the drone enters heading hold mode.

To turn off Headless Mode, press Headless Mode button again and the drone LED lights turn solid, which indicates the Headless Mode is off.



Low Battery Alarm

When the drone in low battery, the transmitter will beep constantly to remind the user to land the drone as soon as possible. The flip function will turn off automatically when the drone in low battery.

Out of Range Alarm

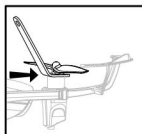
When the drone flying out of the max remote control distance, the transmitter will beep to alarm the user to fly back the drone immediately. Or the drone may out of control and fly away.

Motor Protection Function

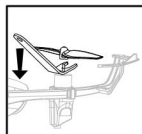
1. When the drone propeller was stuck, the drone body lights flash rapidly and the propellers stuck protection function turn on automatically. The motor will stop.
2. Move the left stick to the lowest end to turn off propellers stuck protection function. The drone body lights get solid bright and the drone is ready to fly.

Propeller Installation Diagram

1. Insert the spanner between the motor and the propeller as Picture 27, then press down the spanner as Picture 28 to remove the propeller.

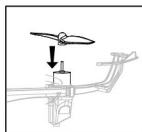


Picture 27

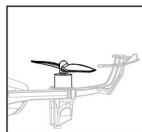


Picture 28

2. Aim at the hole and press the propeller down to the motor axis as Picture 29. Make sure the propeller are match perfectly with the motor as Picture 30.



Picture 29



Picture 30

- Tip:** Please use a new A Propeller to replace damaged A Propeller, and use a new B Propeller to replace damaged B Propeller.

Basic Flight Control

1. To fly to the left or right

	<p>Move the Right Stick to the left to fly the drone to the left, and move the Right Stick to the right to fly the drone to the right.</p>
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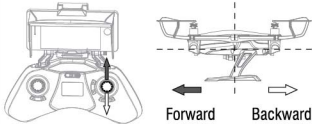
2. To fly up or down

	<p>Push the Left Stick up to fly the drone up, and pull the Left Stick down to fly the drone down.</p>
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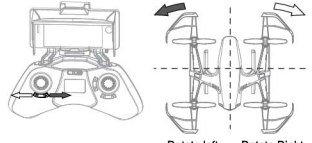
3. To rotate to the left

	<p>Move the Left Stick to the left to rotate the drone to the left, and move the Left Stick to the right to rotate the drone to the right.</p>
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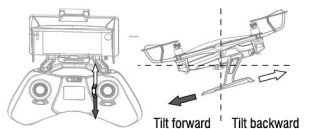
4. To fly forward or backward

 <p>Forward Backward</p>	<p>Push the Right Stick up to fly the drone forward, and pull the Right Stick down to fly the drone backward.</p>
---	---


5. If the drone rotates to the left or right

 <p>Rotate left Rotate Right</p>	<p>Press the Right Rudder Trimmer till balance if the drone rotates to the left, and press the Left Rudder Trimmer till balance if the the drone rotates to the right.</p>
---	--

6. If the drone tilts forward or backward

 <p>Tilt forward Tilt backward</p>	<p>Press the Backward Trimmer till balance if the drone drifts forward, and press the Forward Trimmer if the drone drifts backward.</p>
---	---

7. If the drone tilts to the left or right

 <p>Drift left Drift right</p>	<p>Press the Right Trimmer till balance if the drone drifts to the left, and press the Left Trimmer till balance if the drone drifts to the right.</p>
---	--

Getting to Know Your App

1. Download and Install the APP: Flyingsee

The APP is suitable for mobile phone with iOS and Android system, please download from the mobile phone software store:

1. For mobile phone with iOS system, please search Flyingsee in APP Store.
2. For mobile phone with Android system, please search Flyingsee in Google Play.
3. Scan the QR code on the right or the QR code in the box to download Flyingsee.



Available on the App Store



ANDROID APP ON Google play

2. Frequency Pairing between Mobile Phone and Drone WiFi:

1. Install the battery to the mounted box and power on the drone. Put the drone on the flat surface in horizontal position.
2. Enter "set up" of the mobile phone, turn on WiFi (WLAN) and choose udirc-***, return to desktop after successful connection.
3. Click on the icon Flyingsee and click on  to enter remote control interface to experience real time transmission.



Flyingsee



Click on the icon



Home Page



Real time Transmission Interface



4. Click on  to enter Virtual Control Interface . At this time the drone

LED lights change from flash to solid bright, which indicates successful frequency pairing and the drone is ready to be controlled via APP.

Virtual Control Interface



Important Tip: Ensure the drone is put it on a flat surface in horizontal position so that the drone can work well. Or it may be fail to be controlled.

3 . Introduction for APP Icons

3.1 Home Page Icons



Explore UDIRC Drone



Help



Learn the operation of Drone



Media



Remote control interface

3.2 Remote Control Interface



Home Page Icon

Click on the icon and 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 turns red. Draw a flight route in the right area. The drone will fly according to the flight route. 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 straightly.

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



SD Card

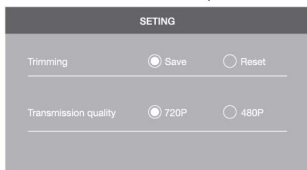
If there is no SD Card in the drone, the icon shows as . There is SD Card in the drone, the icon shows as .

Remote Control Signal

To show the drone's WiFi signal strength.

Setting

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



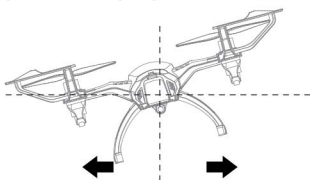
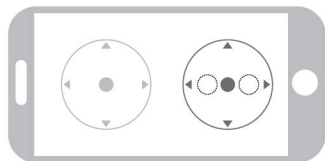
Click on "Save" to save trimming setting. Choose "Reset" for factory reset.

Click on "720P" or "480P" to choose real time transmission resolution.

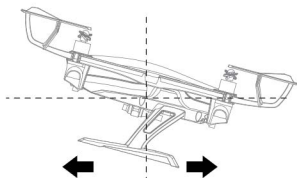
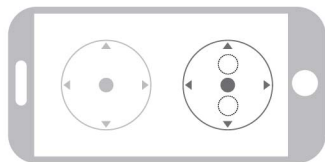
Remote Control

 Virtual Control Stick
The virtual control stick is hidden by default. Click on the icon to start 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.



Headless 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.



Flip Mode

Click this icon, the drone will do 360° flip and the icon will turn red shortly.



One Button Take Off

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



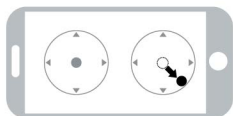
One Button Landing

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

4. Calibration Instruction

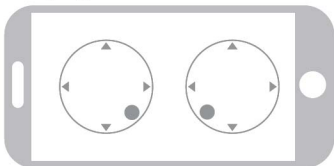
If the drone becomes imbalance after crashing during the flight, and can not be adjusted by trimmer button and is difficult operation, please calibrate the drone.

1. Please refer to the Frequency Pairing between Mobile Phone and Drone WiFi to calibrate the drone.
2. Do not push the Left Ball before successful calibration. Move the Right Ball as the picture shown on the right. The drone body lights flash, which indicates that the drone is calibrating.



When the drone body lights get solid, which indicates successful calibration and the drone is ready to be controlled.

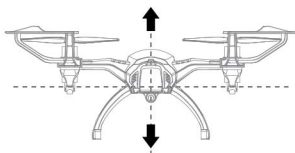
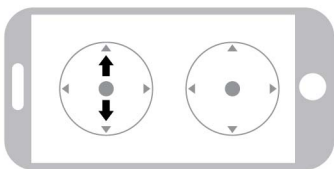
5. Flying Control



Move the Left Ball and Right Ball as picture shown at the same time to start the drone. Or click One Button Take Off icon to start the drone.

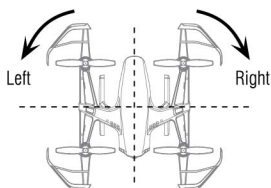
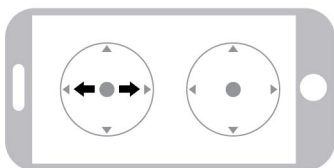
To fly up or down

Move the Left Ball up to fly the drone up and move the Left Ball down to fly the drone back down. The drone will stay flying at appointed altitude.



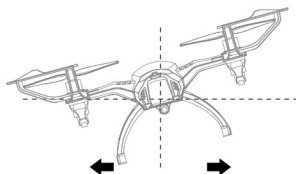
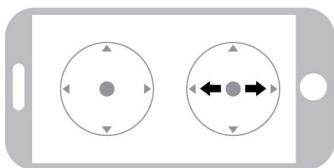
To rotate left or right:

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.



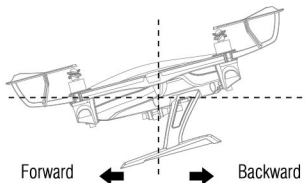
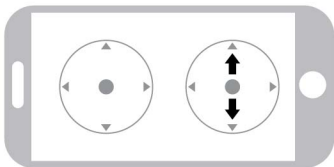
To fly right or left:

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 fly forward or backward:

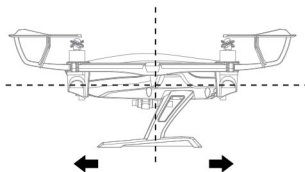
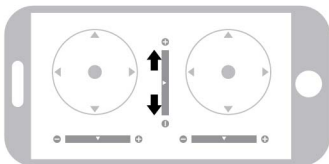
Move the Right Ball up to fly the drone forward, and move the Right Ball down to fly the drone backwards.



5.1 Trimming Adjustment

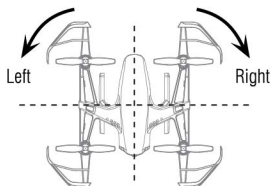
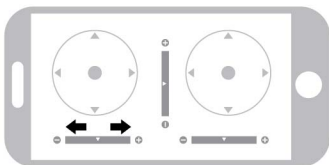
If the drone tilts forward or backward

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.



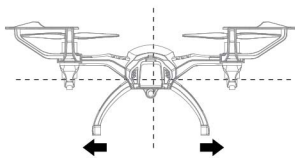
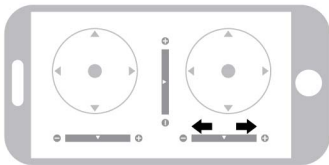
If the drone rotates to left or right

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.



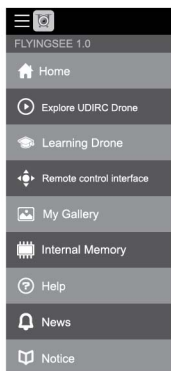
If the drone tilts to the left or right

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.



1. If you can not find the WiFi signal to connect, turn off WiFi and turn on again to search and connect.
- Note:** 2. The available WiFi control radius/distance is 20m, please control the drone within this range.
3. When changing control method from mobile phone to transmitter, exit from the APP.

6. Media



Main Menu



To view the photos and videos.



To view the aerial photography dates saved in the TF card.



Media Interface

Tip: You will need to authorize the app to access your camera roll or you may be unable to view the aerial photography.

7. To take photo and record video

1. Insert the SD card to the slot in accordance with Picture 31. Make sure the metal side of the card faces down as the picture.
2. The aerial photo will be saved in your mobile phone and the SD card, while the video only be saved in the SD card. But you can download the video to the mobile phone only when the mobile phone connecting with the drone WiFi and the SD card in the drone.



Picture 31

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

3. Power off the drone first when finish aerial photography. Take out SD card and insert the card to a card reader. Connect the card reader with computer USB port. After a while, view the aerial photography data from "my computer"- "mobile disk".

Tip: Please play the video or photo after coping 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.












Troubleshooting Guide

No.	Problem	Problem Cause	Solution
1	The transmitter indicator light is off	1. Low battery.	1. Replace the transmitter battery.
		2. The battery positive pole and negative pole are in reverse order.	2. Install the battery in accordance with the user manual.
		3. Poor Contact.	3. Clean the dirt between the battery and the battery slice.
2	Fail 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.
		4. The electronic component is damaged for frequent crash.	4. To buy spare parts from local seller and replace damaged parts.
3	The drone is under-powered or can not fly.	1. The propeller deformed seriously.	1. Replace the propeller.
		2. Low battery.	2. Recharge the drone battery.
		3. Incorrect installation of propeller.	3. Install the propeller in accordance with the user manual.
4	The drone could not hover and tilts to one side.	1. The propeller deformed seriously.	1. Replace propeller.
		2. The motor holder deformed .	2. Replace the motor holder.
		3. The gyro did not reset after violent 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. Low battery.	1. Recharge the drone battery.
		2. The battery is expired or over discharge protection.	2. Buy a new battery from local seller to replace the battery.
		3. Poor contact.	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.	1. Check the wire and connect well.
		2. There is interfering signal nearby.	2. Cut off the wire and re-connect.
		3. Damaged camera.	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.

For technical support, contact support@force1rc.com

Spare Parts

For convenience, the spare parts listed below are available from the dealer you purchased your drone from.

 <p>8</p>	 <p>19</p>	 <p>1 4</p>	 <p>7 16</p>
<p>U28W-01 Upper Cover</p>	<p>U28W-02 Lower Cover</p>	<p>U28W-03 Propeller</p>	<p>U28W-04 Propeller Guard</p>
 <p>14 20</p>	 <p>13</p>	 <p>17</p>	 <p>10</p>
<p>U28W-05 Landing Gear</p>	<p>U28W-06 Camera Cover</p>	<p>U28W-07 Battery Cover</p>	<p>U28W-08 Battery Holder</p>
	 <p>11</p>	 <p>2</p>	 <p>5</p>
<p>U28W-09 USB Cable</p>	<p>U28W-10 Drone Battery</p>	<p>U28W-11 Clockwise Motor Parts (Red and Blue Wire)</p>	<p>U28W-12 Counterclockwise Motor Parts (Black and White Wire)</p>
 <p>9</p>	 <p>12</p>		
<p>U28WH-13 Receiving Board</p>	<p>U28W-14 Camera Board</p>	<p>U28WH-15 Transmitter</p>	<p>U28W-16 Spanner</p>
	 <p>18</p>		
<p>U28W-17 Iron Axis for Battery Cover</p>	<p>U28W-18 SD Card</p>	<p>U28W-19 Card Reader</p>	

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.



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