

UPAIRONE PLUS

Instruction Manual



UPair¹ PLUS



SHENZHEN GTEN INNOVATION TECHNOLOGY CO., LTD.

V1.5

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Introduction

UPair One Plus includes smart aircraft , well-matched controller, integral gimbal camera, and is compatible with UPair one app for mobile phone digital image transmission part lies in fuselage belly, designed for generating HD images.

Main Features

Gimbal camera:

Comes with Non-distortion camera lens and precise gimbal, which can record at 4K at 25 FPS, and shoot 16 megapixel images.

Macro overlook design solution:

U-shaped anhedral designed for more stable shooting and better gps signal accessibility. Built-in locking control system makes aircraft steady when flying;HD digital image transmission models brings smooth and clear images and video.Auto-return function will be triggered once low in power at 10.6V or signal lost.

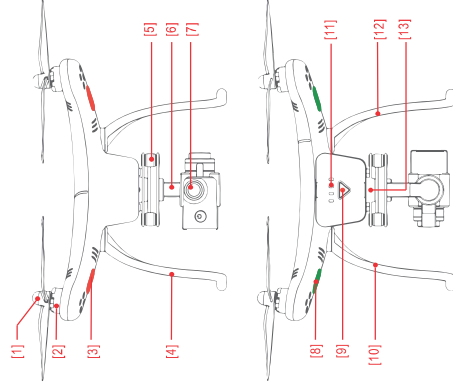
Intelligent battery:

Featuring an advanced power management system, auto balance of charging and discharging, which can support around 20 minutes flight time.

Aircraft

This chapter describes the composition of the aircraft, as well as features.

Aircraft diagram



1. Propellers
2. Motors
3. Red Led indicator (head of aircraft)
4. Landing gear
5. Damping ball
6. Gimbal
7. Camera
8. Green Led indicator (rear of aircraft)
9. Intelligent battery power bottom
10. Controller antennas
11. Intelligent battery level indicator
12. Image transmission antenna

Parameters of aircraft

Weight (full load)	1350g	Maximum Vertical Velocity	4.5m/s
Height	220mm	Maximum Tilt Angle	45°
Wheelbase	355m	Maximum Horizontal Speed	14m/s
Propeller	9450	Hovering horizontal accuracy	50m
Motor	2212	Hovering vertical accuracy	50m
Hovering time	Full load (1350g) 19 mins; aircraft only (1085g) 25 mins		

Auto-Return To Home (RTH)

upair one plus automatically record home point before flight, in case signal loss or low voltage (10.6V) during flight, the RTH will be triggered in such case to help bring the aircraft back to home point. There are three ways of return available: one-key RTH, low voltage RTH (10.6V), unsafe RTH.

Home Point	GPS	Description
7		Where the aircraft takes off will be recorded as home point, provided that GPS must up to at least 7 stars, so a good GPS signal is needed for home point recorded, or RTH will fail to work.
all		

*RTH system can not support obstacles recognition, but the user can operate the controller to avoid the obstacles.
*There are time difference in searching gps signals according to users location, it will takes 3~5 minutes to search at the first time.

*During auto-flight, like auto-return, auto-landing, route planning, or follow-up mode, etc., the user can switch flight mode (altitude hold, position hold, headless) on the right top joggle switch on controller to avoid bad situation when it going to crash into barriers, or fall into river, ect.

One-key RTH

By pushing one-key RTH joggle switch backward on controller or start it on upair one APP manually to trigger one-key return, the aircraft will back to you, if the user want to regain control during RTH, just pulling the RTH joystick forward (away from body direction)

Low Voltage RTH

When the smart flight battery power arrives at a danger low point that may effect aircraft safety of return, the user should land the aircraft as soon as possible, otherwise the vehicle will directly fall, resulting in damage to the aircraft or to others. the RTH will be triggered automatically. Pushing the RTH joggle switch forward to regain control right of aircraft if needed. Low voltage RTH warning only appears once in a flight process.

Unsafe RTH:

The moment signal (remote controller signal) was interrupted more than three seconds, the flight control system will take over control of the aircraft to bring the aircraft fly back to home point recorded before. If the radio signal is regained during RTH, the RTH will continue, but the user can get control right back again by operate RTH joggle switch.

Flight date

Once the aircraft was powered on, the flight control system records all date the aircraft was operated on.

Propellers





It is 9450 propellers, propellers cap color include black or silver, each represent a different direction of rotation.

1) Attaching the propellers:

Find motors with hole, attaching propellers with black cap onto it and rotate it tightly counter- clockwise, attaching propellers with silver cap onto motors without hole and rotate it tightly clockwise.

2) Detaching the propellers:

Please hold the motor on one hand, then rotate the the propeller in theunlock direction to loosen it.

Propellers	Silver	Black
Image		
Attaching place	Attaching on motors without red hole.	Attaching on motors with red hole
Legends	 Lock: Spin the propellers in this direction to tight it	 Unlock: Spin the propellers in this direction to loosen it

*Make sure that the black and silver propellers are installed in the right motors, since the blade is thin, be careful to get hurt.

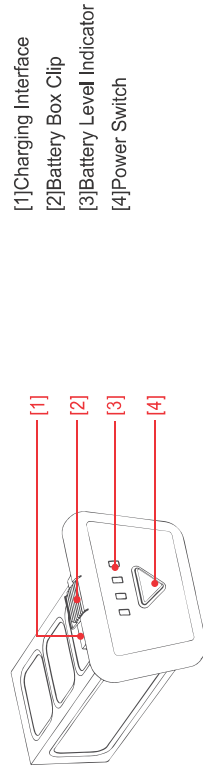
*Please use the original UPAIR propellers, it should be in the same models.

*Propellers are easily consumed, if necessary, please purchase one additionally.

*Ensuring the propellers are in good shape, tightly attached before flight, deformed or broken should be replaced, keep a distance once the motors began to spinning.

The Intelligent Battery

The intelligent battery are designed with a capacity of 5400mAh, and 11.1V voltage, auto-balance of charge and discharge. Advanced battery management system provides plenty of power for the aircraft. The intelligent battery only be charged with official UPAIR charger.



The Intelligent Battery Parameters

Type	Lithium Battery	Charging Time
Capacity	5400mAh	Charging Environment Temperature
Voltage	11.1V	Discharging Environment Temperature

The Intelligent Battery Basic Functions:

1. Power level display: battery level indicator display battery current battery level.
2. Turning on or off the battery: Press its power button 1 seconds, release, then press and hold for 3~5 seconds.

3. Check battery level: Provided the battery was powered off, shortly press the battery power bottom once to check.

4. Charging the battery:

(1. The battery charger need to be connected to power supply first.

(2. Connect battery to UPAIR charger

(3. The battery level indicators will show level status as it is charging.

(4. When fully charged, the battery level indicators will power off, removing battery from charger after that.

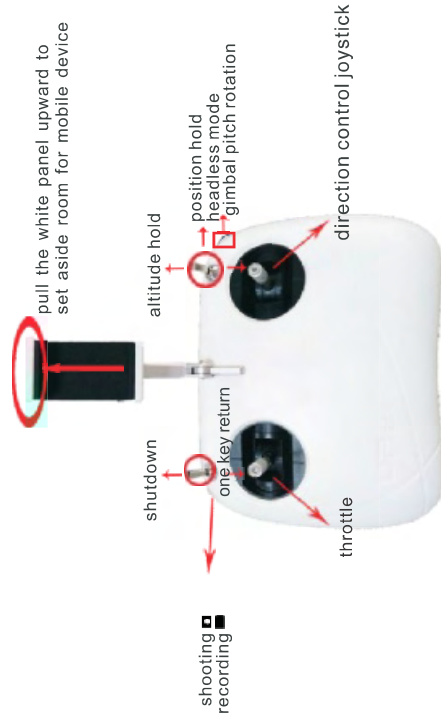
*The battery will get hot after flight, it is not suitable to charge it immediately, charging it later.

*Please fully charged the battery when you charge it at first time. Do not pull out or pull in battery when battery power bottom is on.

*Only charge it by UPAIR official charger, others chargers may cause damage to UPAIR drone, which not fall within UPAIR after-sale service.

Controller

This section describes the remote controller and how to operate it.



UPair one plus remote controller work in 2.4Ghz, it export HD image to the mobile device, with function key to control both camera and gimbal. The controller already paired the frequency with built-in 2.4G receivers of aircraft in factory setting.

Compliance Version: UPair one plus controller comply with both CE and FCC standards.
Control mode: The remote control based on American mode by default.

The Parameter of the Remote Controller and Real-time FPV

Weight	826g	Battery Voltage	11.1V
Channels	10	Battery Capacity	1500mAh
Controller Antenna Frequency	2.4GHz	Communication range of RC	About 1km
FPV Frequency	5.8GHz	Communication range of FPV	About 800m

Flight Mode

Altitude hold: Not depend on gps positioning, the aircraft use barometer to maintain in current attitude.

Position hold: it works under gps signal, a strong GPS signal is needed when operate under this mode, making accurate hovering.

Headless mode: The aircraft can perform pitching, ascending, descending, rotating, tilting ect by the corresponding buttons of controller, regards of where the nose of aircraft facing, the user can fly it freely.

Using controller:

Turning on or off:

The controller match with battery of 1500mAh, detaching for charging:

1. By pushing three grid bottom to right side to open controller.
2. By pushing the three grid bottom to left side to close controller.

*checking controller battery level on APP, and charging it once it show low voltage.

*Once there are beep sound, means low power, please charging it promptly.

*Please power on controller first, then power on aircraft, otherwise, there maybe cause bad reception.



Charging RC Battery:

Only charging with Upair official charger, the package include a charger for both intelligent aircraft battery and RC battery, please do not charge both battery at the same time.

1. Charge the RC battery by connecting the RC battery with the charger in corresponding plug.
2. When the charger indicators turn red, it indicates charging is in process, when turn green, it shows battery has been fully charged, while if the charger indicators blink red and green, showing maybe there are not in good contact between charger and battery.
3. Disconnect the RC battery with the charger when fully charged.

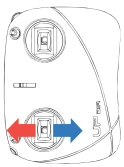
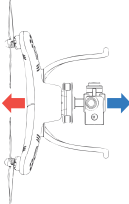
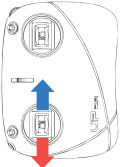
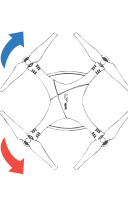
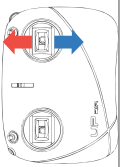
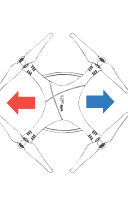
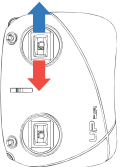
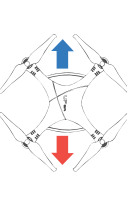


Controlling camera:

By pressing shooting or recording bottom on left top of controller, the user can take photos or do recording, rotating gimbal pitching to adjust camera angle.

1. Shooting button: Pressing it to get single picture once
2. Recording button: Pushing it to start recording, and push again to finish recording.
3. Gimbal Pitching: Rotate the gimbal pitching to control camera angle for shooting or recording.

Controlling Aircraft:

It is America mode default in factory setting, this manual take example of America mode to explain how to operate aircraft by controller:

		<p>Altitude/Poshold/IOC Mode</p> <p>Push up the joystick on the left (illustrated as the red arrow) to make the aircraft ascend. Pull down the joystick on the left (illustrated as the blue arrow) to make the aircraft descend.</p>
		<p>Push the joystick leftward (illustrated as the red arrow) to make the aircraft rotate counter clock-wise. Push the joystick rightward (illustrated as the blue arrow) to make the aircraft rotate clock-wise. The aircraft has a maximum rotating angular velocity of 200°/s.</p>
		<p>Push up the joystick on the right (illustrated as the red arrow) to make the aircraft tilt and fly forward. Pull down the joystick on the right (illustrated as the blue arrow) to make the aircraft tilt and fly backward.</p>
		<p>Push the joystick leftward (illustrated as the red arrow) to make the aircraft tilt and fly leftward. Push the joystick rightward (illustrated as the blue arrow) to make the aircraft tilt and fly rightward. The aircraft has a maximum tilt angle of 30°.</p>
<p>Remote Controller</p> 	<p>Switch Positions</p> 	<p>Flight Mode</p> <p>Home Point Mode Pull the switch backward (as illustrated in the left figures) to make the aircraft enter Home Point Mode, then it will fly back to the take-off point.</p> <p>Althold Mode Push the switch forward (as illustrated in the left figures) to make the aircraft enter Althold Mode, in which the aircraft will fly in the current altitude.</p> <p>Poshold Mode Set the switch to the mid-point (as illustrated in the left figures) to make the aircraft enter Poshold Mode, in which the aircraft will maintain its current position.</p> <p>IOC Mode Pull the switch backward (as illustrated in the left figures) to make the aircraft enter IOC Mode, in which the aircraft is made to perform pitching, ascending/descending, rotating, tilting etc. by the corresponding buttons of the remote controller, regardless of where the nose of the aircraft is facing, so the user can operate it freely.</p>

Intelligent Return to Home (refer it on aircraft section)

If current flying altitude is below factory setting (15m) and RTH was triggered, the aircraft will fly upward first and then back to home point. If current flying altitude is above factory setting (15m) and RTH was triggered, the aircraft will back to home point directly.

Connecting With Mobile Device :

For IOS system, please connect WiFi name UPair_XXXX ,default password: 12341234.
For android phone system:

Turn on the controller:

Connect mobile phone device to controller via USA cable:

Enter into phone setting page, find the hotspot, select USB network sharing:

(It depends on the user phone type, this paths is different)

Once the network sharing succeed, the user can enter into APP.

Controller Compliance Version:

The controller comply with FCC and CE requirement.

Camera and Gimbal

This section provides the technical specifications of the camera and explains the gimbal's operation modes.

Camera Profile

UPair One Plus camera is with 1/2.3 SonyCMOS sensor, capture 16 megapixel stills. A Live preview of what the camera sees can be monitored on the connected mobile device via the UPair App.

UPair One Plus 2.7K camera can record 1080P video at 30frames per second;capture 12 megapixel stills, which uses advanced image processing technology to export the photos.

UPair One Plus 4K camera can record 4K or 2K video at 25frames per second; it can also shoot 1080P video at 60frames per second. The resolution ratio can be set via “UPair APP” settings, please refer to “UPair APP” camera settings image.

Function	Parameters	Function	Parameters
4K Video Resolution ratio	4K2K@25FPS 2K7@30FPS 1080P@60FPS	Shooting images resolution	16M(4640*3480) 12M(4000*3000) 8M(3264*2448)
2.7K Video Resolution ratio	2K7@30FPS 1080P@60FPS	Shooting images resolution	16M(4640*3480)
Voltage	USB 5V	Working Temperature	-10~+100 Celsius
Video Format	MP4/MOV	Working Humidity	30%~80%
video compression	H.264, 4K2K MJPG	Storage Temperature	-40~+150 Celsius
image sensor	16 megapixel stills	Storage Humidity	30%~90%
picture format	JPG	TVOUT	No need
Power consumption	2-3W	CMOS sensors	1/2.3"
HDMI	No need	lens field angle	100degrees small distortion lens
U disk function	No need	PC Camera	No need
Display screen	No need	Charging	5V voltage
focus	digital zoom	image-stabilization	Digital anti shake
Shooting when recording video	supported	Camera system update	TF card

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Camera Micro-SD Card Slot

UPair One Plus 2K supports up to 16GB Micro-TF card, UPair One Plus 4K supports up to 32G Micro-TF card. CLASS 10 or UHS-1 Micro-TF card are recommended due to their fast read and write speed allowing you to save high-resolution video data.

Gimbal Profile

UPair One Plus is powered by the aircraft intelligent battery, with a 2-axis gimbal which provides a steady platform for the attached camera, use gimbal dial one the controller during a flight, the gimbal can tilt the camera within -10~90° (pitch) With a 2-axis stable gimbal, Angle Control Precision $\pm 0.2^\circ$, user can shoot stable video and photos by using the “shooting”/“Recording” buttons on the remote controller.

Gimbal Parameter

Angle Control Precision	$\pm 0.2^\circ$	Working Voltage	11.1V
Rotational Range	Pitching -10°~90°	Maximum Control Speed	Pitching 15°/s



[1]Anti-vibration Device
[2]Gimbal Motor
[3]Camera

*Please don't insert or pull out the Micro-SD card while the aircraft battery is powered on to avoid losing the recording data.

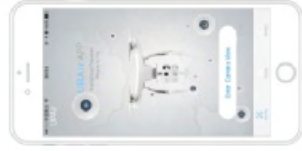
*Copy recording data must be done when the aircraft battery is powered on.

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Upair App Main Screen

This section provides the main functions of UPair App 4 pages.

Upair app is a mobile application designed for UPair One series drones. Use this app to control the gimbal, camera, and other aircraft functions. Please note the upair app only support the mobile phone device.



Connect your Aircraft, Take to the Skies

Click to the APP home page, start WIFI auto connect to the UPair prefix hot spots. Select the corresponding hot spot if there are more than one.

* If enter camera view button is gray, it indicates inactive status.

* If the mobile device and the aircraft established communications successfully, the enter camera view button displays the blue, click it to activate.

Camera View Page

The camera page contains a Live HD video feed from UPair One drone.

You can configure various camera parameters from the Camera Page.

The default view of “camera” is camera full video display, the left corner button is the real time map window.

Slide up and down the blank page to enter full screen display. Small view of map is as the following:



[1] Connection status

[2]H: N/A : Display altitude

[3]D: N/A : Distance from Home

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[4] This icon shows the current strength of GPS signals. Green bars indicate adequate GPS strength.

[5] Battery Level Indicator: The battery level indicator provides a dynamic display of the battery level.

[6] Camera operation bar . Press to shoot photo, single photo shooting pattern.

[7] Record Tap once to start recording video, tap again to stop recording.

[8] General Settings

[9] Return key, return to the Home after click

[10] Follow me Mode When the aircraft taken off, click it, then the follow me mode starts. [11] Flight route planning When the current status of the aircraft is unlocked, the function can be used, refer to the detailed introduction.

[12] Map Thumbnail Tap to switch from the Camera view to the map view.

[13] Return to home mode Click to return to the recorded home point.

[14] Auto takeoff When the flight mode turns to take-off, the prior take-off button turns to landing status.

[15] F light speed.

[16] Ascending speed, Descending speed.

[17] Remote control voltage.

Basic Setting:

Beginners mode started, all selections except the testing are in grey status, which means can't be changed.



Camera Settings:

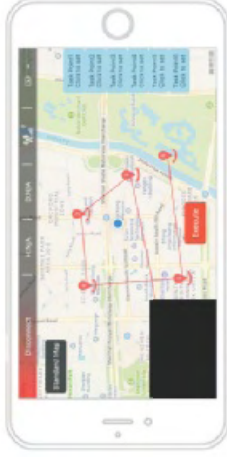


ITEM	Default	Limits
Camera Settings	4k/30fps	4k/30fps, 2.7K30fps, 2K30fps
Shooting Mode	6M	16M (4608*3456)
		12M (4000*3000)
		8M (3264*2448)

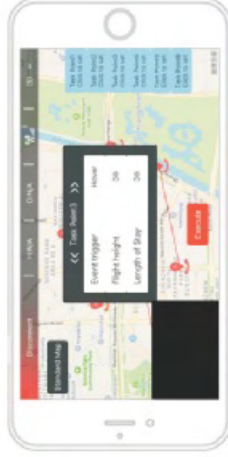
Flight Route Planning

It displays the flight area on the mobile device and users can then select a departure point and then click on other points on the map to create a flight route that "UPair" drone will then automatically fly.

Enter the page, maximize the map, the first task point is the default location of the aircraft. The sequence number is 1, task is take-off. Click any point of the map, it shows as the below image:



When you make enough task points, you can add in the bottom to be added, corresponding task to set, in the middle of the screen, menu items are: 1, 2, arrived at the point of task number, task stay time, 3, to trigger the task after the action, 4, to the task of the flight altitude, left and right arrow task switching point click on the top of the set, refer to the below image:



Follow me mode

Users can start up the "Follow me" function through click "Follow me" button on the APP. After successfully start up, the aircraft will fly to 10 meters above the ground, set the pilot as target and keep a certain distance to flight follow.

Note:

- *The Follow me function can only be entered after the aircraft take-off;
- *Ensure that the aircraft power is sufficient and start to fly more than 3 meters above the ground;
- *This feature only can be used after turn on the smartphone and GPS positioned successfully;
- *Please note the flight environment because the aircraft without obstacle avoidance function. Ensure that there is no obstacle around the aircraft, always be ready to control the aircraft manually in case of emergency;
- *When using Follow me mode, users are required to comply with local laws and regulations;
- *After exit the Follow me mode, the aircraft will hover in place and users can continue to operate the aircraft.

Compass calibration

The compass calibration is used to calibrate the flight stability of the aircraft. When calibrating, placing the drone as app picture shows, don't rotating the drone counterclockwise till arrow in app turn blue; then repeating it in the next direction as app indicated.



Note:

- * it is suggest that compass calibration should be used as less as you can.
- * When calibrating in halfway, it would be better not to exit in advance.
- * Failure in calibrating will cause drone locked, think twice before do it.

Parameters Table

Item	Parameters Range	Default
Task point s time	1-250 s	30s
Task point expected Height	1-250meters	30m
Task	1 , Departure point 2 , Landing point 3 , Hover 4 , Start Recording 5 , Finish Recording 6 , Shooting images	Hover

*Above UPair App here is indicative only. The actual UPair APP may differ. Please refer to the official website www.g10drone.com

Note:

1. This function can only be entered when the aircraft is unlocked.
2. The first mission point is the current point of the aircraft, and the lock event is taking off.
3. When the map is scaled, the coordinates of the latitude and longitude of the point of the mission will not change.
4. After starting the flight route planning, the execute button turned into stop button, after confirmation, remove all points on the map and line, exit this function, back to the camera view.

CAUTIONS BEFORE/DURING A FLIGHT

This section provides UPair app fly environment requirements, pre-flight check, basic flight knowledge.

Before using this product, please read the manual carefully, fly the quadcopter in accordance with the following instructions.

Flight Environment Requirements

- 1 , Only fly in open areas, avoid obstacles, Tall buildings may affect the GPS system of the drone.
- 2 , When take-off and landing, make sure there's no person in radius of 10 meters ange, please avoid crowds, high voltage power lines, trees, airport, wifi base stations, radio transmission towers etc.
- 3 , Please don't fly the quadcopter in severe weather conditions like strong wind, heavy snow, rain or thick fog.

Preflight Checklist

- 1, Before the flight, make sure all drone parts work properly. Don't take off the drone if the drone parts missing or defective.
 - 2, Mount the propellers according to the manual, make sure all propellers are firmly installed, avoid damages if the propellers falling off the drone during the flight.
 - 3, Check if remote control battery and flight intelligent battery are fully charged, make sure if propellers, batteries, camera have been firmly installed, check if Micro-TF card has been inserted.
 - 4, When take-off the drone, please power on the controller , then start the aircraft, When landing, turn off the flight battery first, then power off the remote controller.
- ⚠** When using the charger, pls avoid charging the drone battery and the controller battery at the same time, just charge one battery at a time.

Flying Reminder:

- 1, The UAV flight is restricted by many countries , before take-off, please understand and comply with the relevant laws and regulations.
- 2 , When the aircraft landing please keep the drone landing smoothly; close to the ground please ensure that the aircraft in hover, ensure the ground level, let the aircraft slowly descend to the ground .
- 3 , Please don't operate the aircraft in restricted areas or no-fly zones under relevant laws or regulations etc
- 4 Please don't operate the aircraft when you are in poor mental state(such as intoxication).
- 5 Please keep the aircraft, accessories and components out of children's reach, in case any accessories or components are swallowed by a child, he or she should be immediately taken to a doctor for a treatment.
- 6 If the aircraft is to be left idle for a long period, please take out the battery, place the aircraft in an environment free from dampness, moisture, mould, avoid exposing to strong sunlight and also out of electron magnetic interference.
- 7 Don't knock down, assemble or do-it-yourself to the aircraft. GTEN isn't responsible for any result if the user disassemble the upair drone.

Troubleshooting(FAQ) :

This section offers the basic solutions of the using drone trouble

1. Why does the remote control make beep sound?
It means the remote control is out of power, please fully charge the remote control battery before use.
2. How long does the flight battery and remote control need to be charged?
Normally, the charging time for intelligent flight battery is 1~1.5hours, the charging time for remote control battery is 2~3 hours.
3. Why does the FPV screen show black, while there is flying data shown on FPV screen?
Make sure the flight battery is turned on. Please try to remove 4black vibration dampening rubber balls of the gimbal, check if the gimbal camera and the aircraft connection plugs loosing, you can unplug it, then reconnect, remount the gimbal.
4. Why the flying time doesn't meet the description?
As the common rules in drones industry field, the flight time test is under hover status . The flying time in theory wouldn't be the same as the actual flying time.

*Any question, please feel free to contact service@g10dr.com

Quick Start Guide

01 1. Download UPair One App

Search UPair App on the App Store or Google Play and download the app to your mobile device. UPair One App Supports only Mobile device, Tablet not supported.

Please login APP STORE or Android market to download UPAIR APP.

For IOS system, please connect WIFI name UPair_XXXX ,default password: 12341234.

For android phone system:

Turn on the controller:

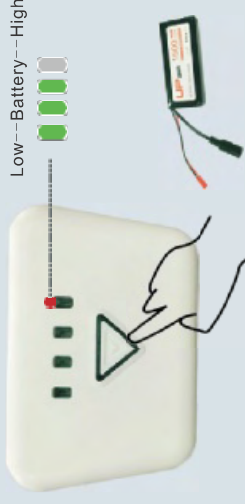
Connect mobile phone device to controller via USA cable:

Enter into phone setting page, find the hotspot, select USB network sharing: (It depends on the user phone type, this paths is different)

Once the network sharing succeed, the user can enter into APP.

UPair App supports iOS8.0 and Android 4.4 or later versions

02 2. Check Battery Levels



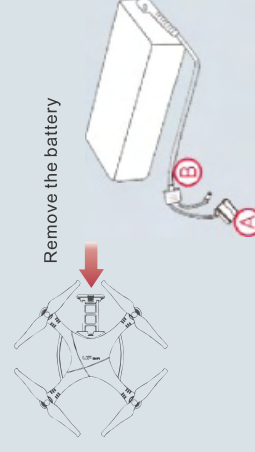
Press Once to check the battery level.

Press twice and hold to turn on/off

Press twice (short press and then long press)to turn on/off

Beep Beep Sound indicates no power of remote control battery, Please charge.

03 3. Charging the Batteries



Provided Charger
Charge Time:~1.5 hours

Charge Time:2~3 hours

4. Preparing the Remote Control



Unfold

04

6. Flight

The aircraft will take off and hover at an altitude of 10 feet (3 meters).

Auto takeoff



Safe to Fly (GPS)

Before taking off, ensure the Aircraft Status Bar in the UPair One App indicates Safe to Fly (GPS). Follow the mode: Enter follow me mode, the aircraft will hover center point, with a radius of 10M. The default height of follow me mode is 130ft, the camera will keep facing to you.

Return to Home

Click to bring the aircraft back to the home



Planning Flight Route

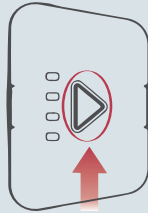
Click to plan the flight route, then the aircraft will fly as the planned route.

5. Prepare for Takeoff

05



insert a Class 10 16G or 32G micro SD card



Power on the remote controller and the aircraft.

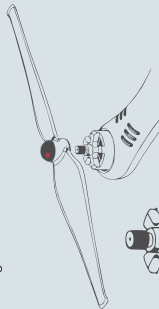


Search and connect UPair WIFI hotspot.
 *30seconds after power on the drone, search and connect UPair WIFI hotspot, then enter APP.
 *Android cell phones support USB wire connect or WIFI connect, iPhone only support WIFI.

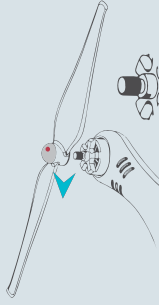
Installing the Propellers

06

1. Match the black-nut propeller with the motor with a hole in the center, then tighten the propeller by screwing it down counter clock-wise.
2. Match the grey nut propeller with the motor without a hole in the center, then tighten the propeller by screwing it down clock-wise.



Motor with a hole



Motor without a hole



Propeller Assemble Improperly

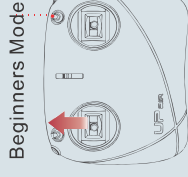


Propeller Assemble Properly

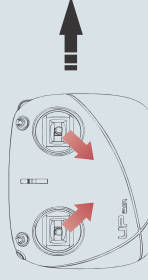
Manual Takeoff

08

When the aircraft opened up, please firstly display self-examing process of flying altitude. Then you can combine stick command to unlock the motors. Let the throttle slowly up.



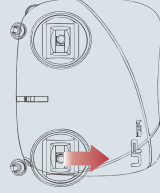
Beginners Mode



or

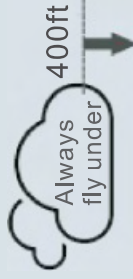
Combination Stick Command to start/stop the motors

Left stick up (slowly) to take off



Manual Landing

Left stick down (slowly) until you touch the ground. Hold a few seconds to stop the motors.



It's important to understand basic flight guidelines, for the safety of both you and those around you.



DO MAINTAIN LINE OF SIGHT and avoid flying behind buildings or obstacles that block your view.

DO MONITOR YOUR ALTITUDE and fly under 400feet (120 meters).

No Fly Zones

⚠ CAUTIONS BEFORE/DURING A FLIGHT ⚠

- Before each flight, please make sure the remote controller and intelligent battery have sufficient power, and check if the propellers, the intelligent battery, the camera and the Micro-SD card have been securely and correctly installed.
- Please do not note the right process to start flight, switch on controller first and then to power on the aircraft, while when landing, it is opposite, to turn off the aircraft first then controller.
- It is not allowed to operate the aircraft in restricted areas or no-fly zones under relevant laws and /or regulations.



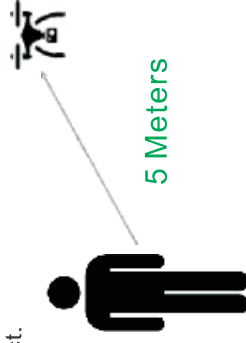
Unlock flight until GPS searched more than 7 satellites, or the aircraft cannot use position hold or auto-return function. (GPS signals can't be searched in-door)



- It is advised to operate the aircraft in open areas away from high buildings, avoiding interference between the remote controllers and communication base station, wifi, high-voltage power wires ect.
- When doing the flight, please keep the aircraft away from obstacles, crowds, trees and water surface ect.



- Please do not operate the aircraft under harsh weather conditions like strong wind heavy snow or rain, thick fog ect.



It is suggested that the aircraft and operators should keep a distance more than at least 5 meters.



The low battery Return to Home mode is triggered when the UPair drone battery level is below 30%. For safety, please land the aircraft if battery is under 30%.

Thanks

Thanks so much for your order of UPair One. Please follow the manual to use this product properly.

This product and The Intellectual Property Right of the Manual Belong to UPair, without the authorization from UPair, no organization or individual is permitted to reprint, copy or distribute any contents of this manual in any forms.

If you have any questions or problems when using this product, please contact UPair authorized distributors or UPair customer service .

*This manual will be updated from time to time, for the newest version, please refer to: www.g10drone.com.

FCC Statement

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 reasonable 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 a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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