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Precautions before flying
 Make sure the transmitter and the battery of the drone are saturated. Before starting, please confirm that the left stick of the transmitter is in the middle position. While turning on the drone, the order of power switch must be obeyed. Before turning off the drone, turn on the power switch of the transmitter first, then tur on the power switch of drone; The power switch of the drone should be shut down first, then turn off the transmitter. Incorrect switching sequence may cause the drone out of control, it may do harm to the safety of yourself and others. So please form the right habit of turning on and turning off the machin 4. Make sure that the connection between batteries and motors and other parts i solid and reliable. For there's continuous vibration in flight, it may cause the power connector loosen, thus the drone may out of control. Improper operation may cause the crash, then the motor or propeller may not work smoothly or produce noise. Also it may cause the state of flight to be affected or incapable while flying. So we advise you to purchase new components from the local distributor for replacement so as to make the dron returns to its best state.



GPS Signal search

After the successfully right frequency, the drone enters the search of GPS signal automatically.

When the left blue indicator of transmitter turns from shiny to long bright, it indicates the connection to GPS signal is successful finished. If not, the drone can't fly up.

Turn on / turn off GPS signal

GPS defaults to be on.

Turn off: Long press the key, the transmitter will make the sound of "di", the blue indicator of the transmitter is out to indicate that the function of GPS is off. (The function is suitable for using in the situation of weak GPS signal or indoors; When the the function of GPS is off, so is the fixed function.)

 $\label{eq:constraint} \textbf{Turn on:} \ \textbf{Repeat} \ above \ action \ after \ five \ seconds, \ you \ can \ restart \ the \ function \ of \ GPS.$

* The function can only be used when the motor is locked.



Calibration (This action is used when flying abnormally)



After finishing the compass adjusted, push the right control rod to the bottom right 45 degrees, the drone fuselage lights flash and when you release it, this means the gyroscope is calibrated.

Tips: When the drone doesn't appear to use the trim correction flight status,or being hit hard (or falling abnormally), thus cause the difficulties in controlling. Now frequency making and adjustment are needed again, and remember that it's a must to put the drone on the horizontal ground.



Unlocking/locking the motor

Unlock the motor:

Push the left and right stick inward to the 45 degree angle simultaneously.

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Lock the motor:

The operation will cause the motor stop running immediately before the drone takes off.



One key taking off/one key landing

After unlocking the drone, press the key for about one second, the drone will fly up to 1.2 meters high above the sky automatically. While flying, press the key for about one second, then the transmitter will make the long sound "di", at this time the drone starts to land. While landing, you mustn't push up the left stick upwards for it may stop the landing function.



Tips: When you're operating the function of "one key taking off", please make sure that you've already unlocked the drone first; If not, it can't be operated by you.

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Function Introduction

Video

While taking videos, click the key to start videoing. The transmitter will make the sound of "di" to indicate you to operate it. If you want to stop it, you can click it again.

Photo

While taking photos, press the key of taking photos once, you can take one photo; If you press the key continuously, you can take several photos (While taking photos, click the key, the transmitter will make the sound of 'di'to indicate you).

One key returning

During flying, press down this button for 1 second, then the transmitter will beep a long sound " di ", it shows the drone starts to return. (When returning, the transmitter will beep " di" constantly to remind) Return to the beginning.

* During returning and press down this button again, then exit from returning.)

Notice: While returning, the control lever of the transmitter can not control the drone, it must be waited for the drone to go back to the take-off point. And after the direction of the drone is directed at the direction of taking off, in this way the control lever can control the drone.

Following Function

The function is standard by the mobile phone APP signal, so it's a must to make the drone and APP connected normally, turn on the mobile location service at the same time, otherwise this function is invalid.

While flying, press down the key, the drone sounds deep, it enters the function of following. Now it can be controlled by the user.





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Encircling flight

Press down the right stick, the transmitter will make the sound of "di", then it goes to the function of encircling flight. The drone will fly to a default radius then it waits for the direction controlled by the user. Adjust the speed and direction of the drone by manipulating the right stick. It is the minimum radius of the default radius acquiescently ,so drone flies only in the sub range.

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rocker, the drone can automatically suspended to meet the needs of single hand manipulation. The aerial photograph is more clear. Notice: If there's propeller deformation or motor damage, then the fixed height

Notice: If there's propeller deformation or motor damage, then the fixed height function can not be used. Atmospheric pressure instability or typhoon weather, high altitude function can not be used normally also.

Fixed Point Mode

Intelligent flight control can calculate the suspended height.

The aim of fixed point mode + constant height mode = spot hover is to let the flight more flexible, to take photos more clear, to be operated more easily.

* This section is GPS location fixed-point. So before flying, please make sure that it has connected to GPS signal normally. Or it will become invalid.



High / middle / low speed mode switch

Press down the key, it will make the sound of "di", this indicates to the low speed mode"L"; Press it down again, it makes the sound of 'di' twice, that comes to the middle speed mode "M"; Press down the key again ,it makes the sound of 'di' for three times, it comes to the high speed mode "H".



1. Low speed mode "Low":

It's suitable for the beginner to operate it in the state of no wind.

2. Middle speed mode "Middle":

It's suitable for the practician to operate it in the state of breeze.

3. High speed mode "High":

It's suitable for the professionals to experience flight in outdoor wind resistant conditions.

Low Battery Alarm

When the battery power of the point remote is quickly exhausted, it will make the sound of "di""di""di""di" constantly to alarm you, now you should land the drone as soon as possible to replace the battery.

While flying, in case that the battery of the drone is quickly exhausted, it will make the sound of "di"."di" to alarm you, the drone's indicator lights turn from long to bright. After alarming you, the drone automatically returned to the take-off point.

Notice: After low-battery alarm, the drone will return home. Meanwhile, its controllable range will be reached to the 20 meter radius.

Out of Range Alarm

When the drone flying out of the max remote control distance, the transmitter will beep "didi...didi...didi..." to alarm the user to fly back the drone within range immediately.

Out of Control Protection

Out of control protection refers to the flight control system automatically controls the drone to fly back to the return point after receiving the remote control signal (ie, out of control), and a function of landing, which can reduce the loss or fall of the drone.

The drone does not have the function of avoiding obstacles during the uncontrolled return flight. The user can set the return altitude value to avoid obstacles on the way back.



Possibility of entry into runaway protection mode

- * The remote control is off.
- * Flight distance exceeds the effective distance of remote control signal transmission.
- * There is an obstacle between the remote control and the drone.
- * Remote control signal is disturbed.

Stuck Protection

- 1. When the propeller is stuck and doesn't turn around, the LED light will make fast flicker to star protection automatically. Meanwhile, the motor stops turning.
- Reset the left stick to the lowest position and return to the middle position, at this time the LED light keeps bright to unlock protection function automatically, then the drone can take off normally.

Know your APP Download and install APP: UDIGPS

This software is suitable for mobile phones in the IOS and Android system, please surf the mobile phone application store website to download and install it.

- 1. The user of ISO mobile phone can surf App Store to search UDIGPS to download.
- 2. The user of Android can surf Google Play to search UDIGPS to download.



- 3. You can scan the QR code on the right or the QR code on the color box directly to download and install it.
- 4. For detailed operation, please check the system "HELP" of APP.

* Display the photos and video (Suitable for 720P only.)

The photos and videos are stored in the phone local gallery, you can display in the phone directly. You also can display it in the APP through shortcut icon to enter the media interface.

Notice: App must be authorized to access the phone gallery, if not, then may be unavailable to display the video and photos.

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5k			
U52G-21 Rear LED board (Red light, red connector)	U52G-22 Clockwise motor (Red connector)	U52G-23 Counter-clockwise motor (White connector)	U52G-24 Lipo battery
	** *	0	
U52G-25 USB cable	U52G-26 Gears	U52G-27 Bearing	U52G-28 Transmission shaft
0			
U52G-29 Acrylic ring	U52G-30 Screw driver	U52G-31 Allen wrench	U52G-32 Transmitter
* U52G-33 TF Card (suitabe for 1080P only)	* U52 Card r (suitabe for	CG-34 eader 1080P only)	* U52G-35 1080P Wifi camera board (suitabe for 1080P only)
Important Notice Our company's produ are subject to change All the information in accuracy if any print	icts are improving a without notice. this manual has been	II the time, design a en carefully checked	nd specifications to ensure
accuracy, it any print		שייש איז	a morprotation nynt.

No	Droblom		Drohlom Course	Colution	
NU.	Propietiti	1 Low ba		30IUII0II	
1 CC 1 in liç	The controller	2. The bat	tteries are incorrectly positioned.	Replace the controller battery. Install the batteries following the polarity indicators	
	indicator light is off.	3. Poor C	ontact.	 Clean the dirt between the battery and the battery contacts. 	
		1. Indicate	or light is off.	1. The same as above.	
	Failed to pair the	2. There i	s an interfering signal nearby.	 Restart the drone and power on the controller. 	
2 d t	drone with the	3. Mis-op	eration.	Operate the drone step by step in accordance with the user manual.	
	controller.	4. The ele for fierd	ctronic component is damaged cely crash.	 To buy spare parts from local seller and replace damaged parts. 	
	The drone	1. The propeller is seriously deformed.		1. Replace the propeller.	
2 1	is under- nowered	2. Low battery.		2. Charge the drone battery.	
U	or can not fly.	3. Incorre	ct installation of propeller.	3. Install the propeller in accordance with the user manual.	
		1. Improper Calibration.		1. Please refer to the Calibration Instruction.	
		2. The propeller is seriously deformed.		2. Replace the propeller.	
The	The drone could not	3. The motor holder is deformed after violent crash.		3. Replace the motor holder parts.	
4	hover and tilts to one side.		4. The gyroscope did not reset a serious crash.	ter aPut the drone on the flat ground for about 10 minutes or restart the drone to calibrate again.	
		5. Motor is damaged.		5. Replace the motor.	
		6. No proofreading compass.		6. Re proofreading the compass.	
	T 1. 1	1. Low battery. drone ator ^{2.} The battery is expired or over discharge is off. protection.		1. Recharge the drone battery.	
5	indicat light is			2. Buy a new battery from local seller to replace the battery or charge the batter in accordance with the use manual.	
	3. Poor		ontact.	3. Connect and disconnect the battery.	
6	Could not see the	1. There is an interfering signal nearby.		1. Practice and read the cellphone controlling instruction carefully.	
	picture.	2. Camera	a is damaged.	2. Replace Camera.	
7	Hard to cor cellphone.	itrol by	Not experienced enough.	Practice and read the cellphone controlling instruction carefully.	
8	Can't altitude hold.	1. The propeller is seriously deformed.		1. Replace propeller.	
		2. The motor is damaged.		2. Replace the motor.	
		3. Atmospheric pressure is not stable.		3. Refer to "Altitude Hold Mode"instruction.	
9	Can't position hold.	Whether the GPS has connected or not.		Search again to connect the GPS signal.	
10	Searched but could not find the GPS signal		1. GPS module is damaged.	1. Please replace a new one.	
			2. Unplug module plug.	2. Please check to see if it's connected normally.	

FCC Note

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 a ntenna.
- 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.

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

FCC Notice:

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



MADE IN CHINA

