



USER MANUAL

This product supports GPS positioning and is recommended for outdoor flight!
This wifi camera pinpoint is 5G, please confirm whether the phone is supported.

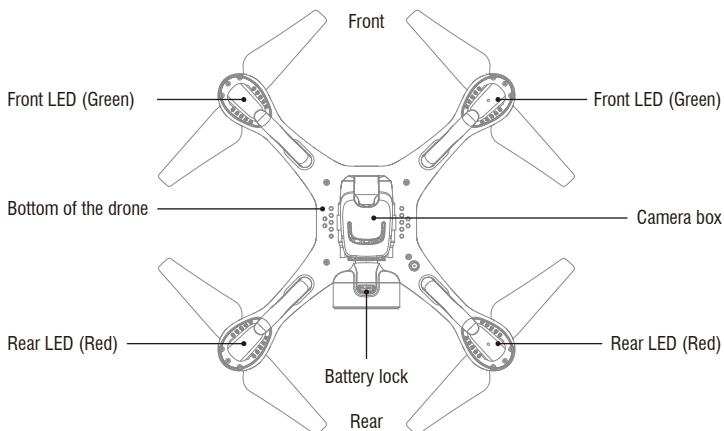
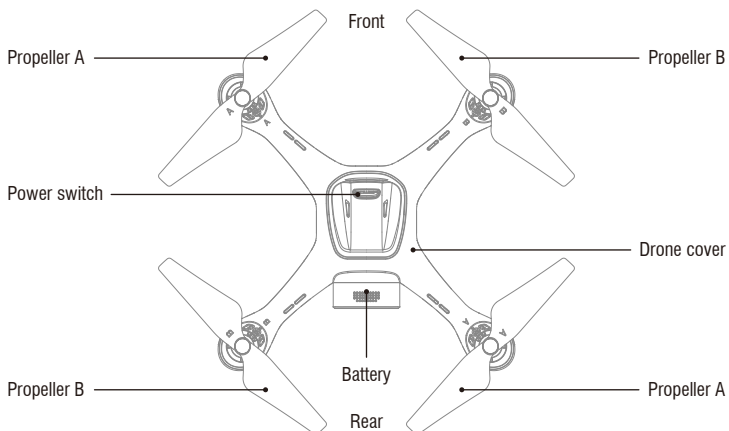
U59

- ▲ This product is suitable for users over 14 years old.
- ▲ Stay away from the rotating propeller
- ▲ Read the "important statement and safety guidelines" carefully.



Ready before take off

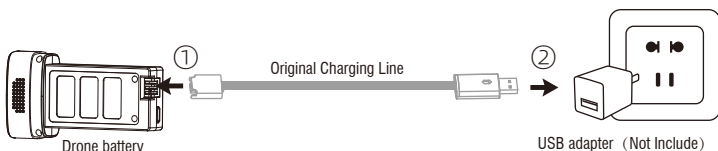
Drone preparation



Battery Charger

Battery power is insufficient in the original plant. It must be charged saturated before it can be used.

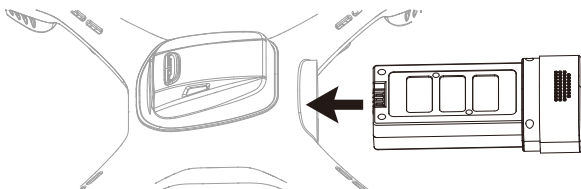
Connect the original charging cable with the drone battery, and then connect other USB charging port. The charger line indicator is red when charging and the light turns green when fully charged.



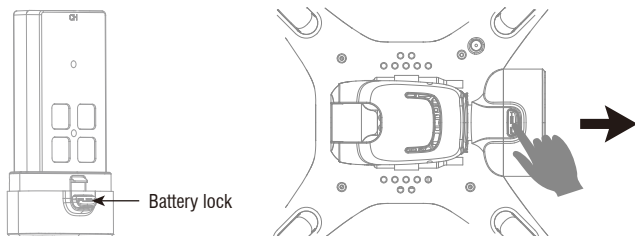
▲ Only use the original charging line; suggest select adapters with output current of 5V 2A.

Drone battery installation

Installation: Push the battery to the bottom of the body battery slot.



Disassembly: Press the battery lock and pull the battery out backwards.

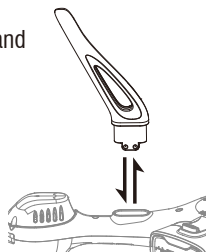


Landing gear installation

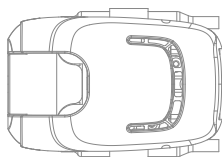
Installation: Aim the landing gear frame to the body and place it to the right place.

Disassembly: Pull out the landing gear.

Note: Make the landing gear close to the fuselage surface of the drone, otherwise it will be unstable and affect the stability of the drone.



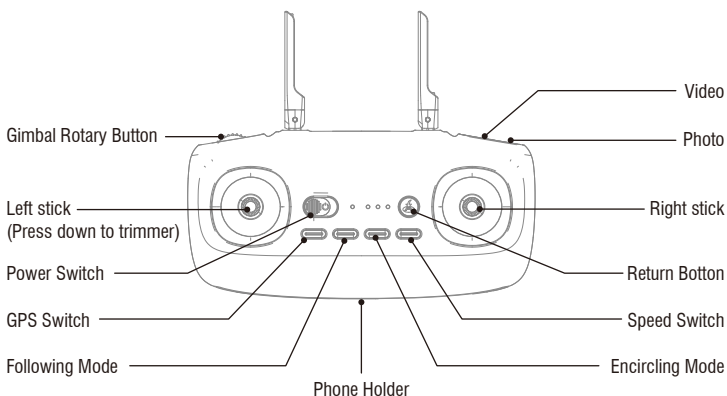
Installation of TF Card



*** TF card is not included**

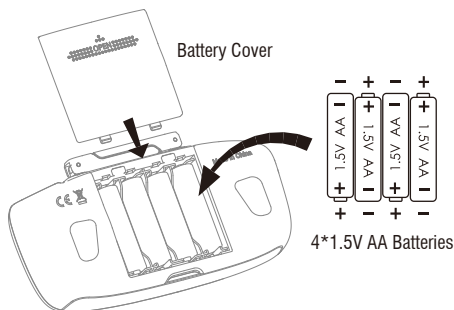
Insert the TF card to the slot of camera, and pay attention to the metal contact surface orientation of the TF card.

Transmitter preparation

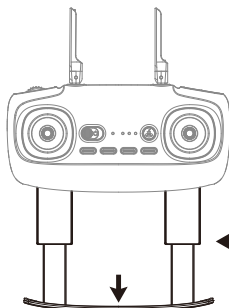


Transmitter battery installation

Open the battery cover on the back side of the transmitter, according to the "+" "-" electrode instruction in the battery groove, place the battery with the same type of saturated power (battery not include).



Mobile Phone Installation



- ① Pull down and out of the phone clip.

- ② Place the phone in the upper and lower clamps, and the clamp will automatically clamp the mobile phone.



* Pay attention to don't clip the buttons on the side of the phone.



Flight Operations

Mobile phone connect with Drone

Download and install APP: UDIGPS

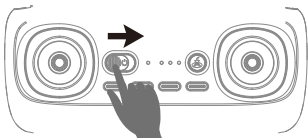
This software is suitable for mobile phones in the IOS and Android system.

For detailed operation, please check the system "HELP" of APP.



Transmitter connect with drone

Frequency Pairing



① Turn on the power of transmitter.



② Pull the left stick to the lowest position and let go, the indicator light changed to slow flash. It indicates the transmitter enters the frequency state.

③ Long press the power of the drone for 2 seconds and placed it on the horizontal ground. After the navigation light is on for 2 seconds, the fuselage lights become flash, and the drone and the transmitter are connected to each other successfully. When the left light of the drone flashes and the right light does not turn on, it is suggested that the horizontal correction of the compass is needed at this time.

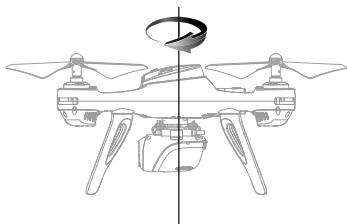


Horizontal ground

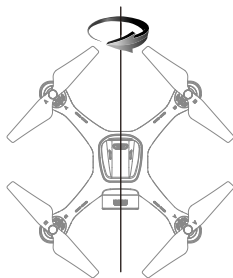
Compass calibration

Rotate the drone horizontally until the transmitter sounds "di... "Level correction to complete. When the left light turns to long light and the right light flashes, enter vertical correction.

Rotate the drone vertically until the transmitter sounds "di... "A sound, vertical correction over. The four navigation lights are spinning and flashing.



Horizontal rotation



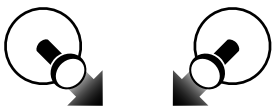
Vertical rotation

Tips: It's a must to have the right compass adjustment first each time you start the drone, or it can't work normally

GPS signal search

After the frequency matching is successful, the drone automatically searches for GPS signals. When the left blue indicator light of the transmitter changes from flashing to long bright, indicating that the GPS connection is successful. But if you don't connect the GPS, the flight height defaults to about 4 meters.

Unlocking the drone



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

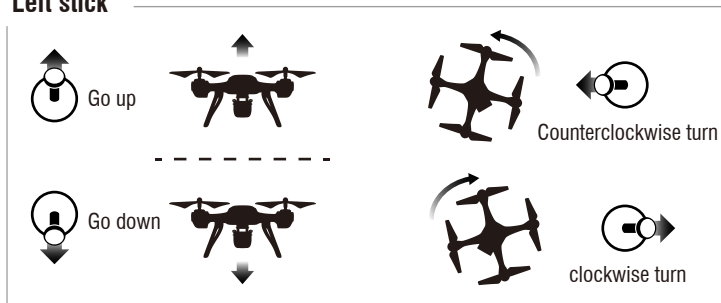
① On standby drone, motor rotation, drone Unlocked.

② When the drone is not take off, the motor stops rotating and the drone is locked.

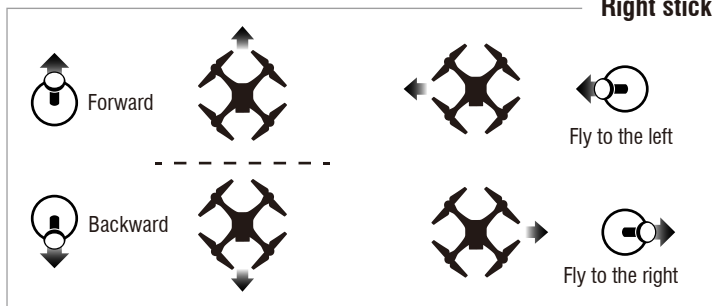
The drone can only take off when the motor is unlocked.

Control stick operation

Left stick



Right stick



Take off

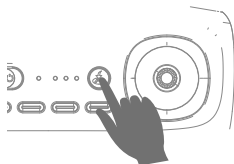
After unlocking the motor , push up the left stick slowly and the drone rise slowly.

Landing

During the flight , push down the left stick slowly and the drone land slowly until landing.

Return

During the flight, press the "return " button, and the transmitter will sound "di", and the drone will automatically return to the take off point. (during returning, the transmitter will continuously sound "di". To stop homing, just press this button again.)



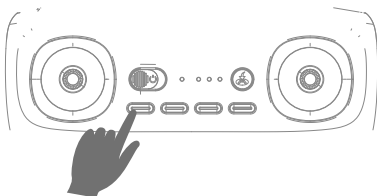
During the return, the right stick are not able to control the drone. It must wait until the drone returns to the take off point and aligns with the take off direction, the right stick can control the drone.

GPS ON / OFF

GPS is turned on by default.

GPS OFF: Press the GPS switch button, the transmitter will sound "di", and the blue indicator of the transmitter will go off, it means GPS will be off.

GPS ON: Press the GPS switch button to restart GPS.

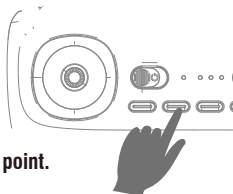


Note: this function is only used when the motor is locked.

Following mode

While flying, press the "following" button, the transmitter will sound "di", drone enters the function of following. Now it can be controlled by the user.

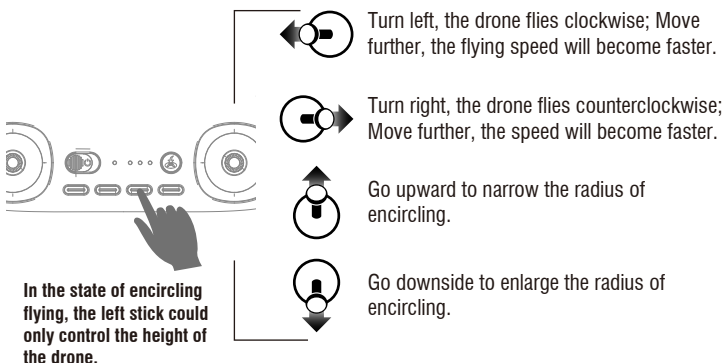
The function is standard by the mobile phone APP signal, so it's a must to make the drone and APP connected normally, turn on the mobile location service at the same time, otherwise this function is invalid.



Note: The follow maximum range within 300m of take-off point.

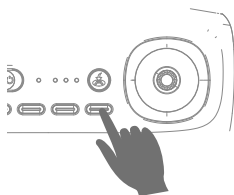
Encircling mode

In flight, press the "Encircling" button, and the transmitter will 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.



Speed mode switch

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



Medium speed default

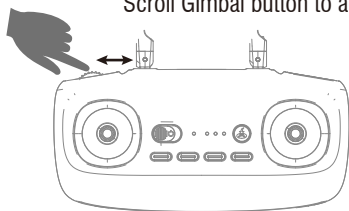
Low speed: suitable for beginners to practice without wind.

Medium speed: suitable for skilled operator operating in light breeze.

High speed: suitable for professional operation in outdoor wind resistance.

Gimbal adjustment

Scroll Gimbal button to adjust the camera angle.



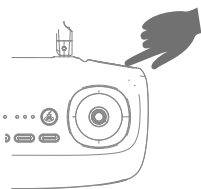
Tilting -90° to 0°



Photo

Press "photo" button once to take a picture.

When taking photos, the transmitter will sound "di".



Video

Press the "video" button the transmitter will sound "didi" to remind user to enter the recording state ,and repeat this action to stop recording and save video.



Notes for Filming

- ① Photos taken will be saved to mobile picture library and drone TF card; Video can be saved in TF card first, which can be downloaded to mobile picture library for viewing. Please download video according to APP prompt. When downloading, maintain the normal connection between the mobile phone and the flyer, and the TF card is in the card slot.
- ② The APP must be authorized to read the phone gallery to view the aerial photos.
- ③ Turn off the power supply of the drone before taking out the TF card.
- ④ When aerial video is read by computer, it must have corresponding playback software.

Intelligent Hover

Intelligent flight control can calculate the suspended height ,the visual system points the ground position,GPS coordinates allow the vehicle to stay in your desired position Buy. The drone is like a camera fixed in the air. Aerial photography and control are very convenient.

Notice: Drone must be connected to GPS properly in order to give full play to fixed-point hovering function. Atmospheric pressure or wind force affects hovering stability.



Low Battery Alarm

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

Automatic Return

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.

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.

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.
2. 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.

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).

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



Flying Trimmer



Press down



Forward / Backward Trimmer

When flying, if the drone tilts forward, push the left stick down and push the right stick down. Otherwise push it up.



Press down



Left / Right Tilts Trimmer

When flying, if the drone tilts to the left, push the right stick down, meantime push the right stick to the right. Otherwise push it to the left.



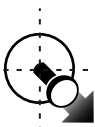
Press down



Left / Right Rotates Trimmer

When flying, if the drone head rotates to the left, push the right stick down, meantime push left stick to right. Otherwise push it to the left.

Calibration (This action is used when flying abnormally)



After the calibration of the compass, the right control lever of the remote control is pushed to the lower right corner by 45° , and the remote control emits a sound of "di", and the aircraft light flashes and releases, indicating that the gyroscope has been 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, drone should be placed on horizontal ground.

Attention

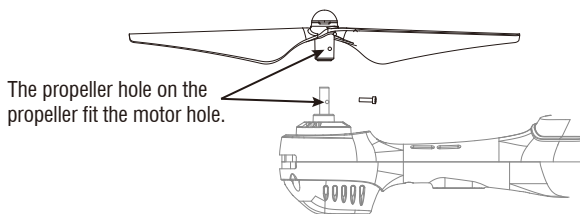
- ① Switching sequence. At first, turn on the power of the transmitter, then turn on the power of the drone. After the end, turn off the power of the drone first, and then turn off the power of the transmitter.
- ② Improper operation caused the crash. It is necessary to check and confirm the connection of the motor, propeller or battery of the drone and the damage degree, so that the drone can fly again. If there is damaged, please replace the new accessories or prone to accident.

Parts replacement

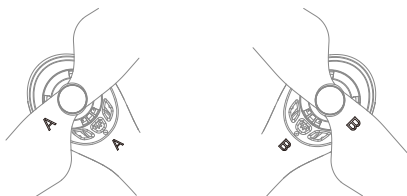
Propeller replacement

Disassembly: First screw out the screw then pull out the propeller.

Installation: Make sure that the propeller aims at the hole direction of the drone hole then press it down to the bottom, screw the screw.



There is different A and B remarks on the propeller. Be sure that the propellers are installed to the correct motors, which remarked the Letters to identify on the motor holder, if not, then the drone can not work normally.



Please make sure that the propellers are installed correctly, otherwise the drone cannot fly.



Drone 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.



Important Notice

Our company's products are improving all the time, design and specifications are subject to change without notice.

All the information in this manual has been carefully checked to ensure accuracy, if any printing errors, our company reserve the final interpretation right.

Troubleshooting

Problem	Problem cause		Solution
The controller Indicator light is off.	Low battery.		Replace the controller battery.
	The batteries are incorrectly.		Install the batteries following the polarity indicators.
	The batteries are incorrectly positioned.		Clean the dirt between the battery and the battery contacts.
Failed to pair the drone with the controller.	Indicator light is off.		The same as above.
	There is an interfering signal nearby.		Restart the drone and power on the controller.
	Mis-operation.		Operate the drone step by step in accordance with the user manual.
	The electronic component is damaged for fiercely crash.		To buy spare parts from local seller and replace damaged parts.
The drone is under-powered or can not fly.	The propeller is seriously deformed.		Replace the propeller.
	Low battery.		Charge the drone battery.
	Incorrect installation of propeller.	Install the propeller in accordance with the user manual.	
The drone could not hover and tilts to one side.	Improper Calibration.		Please refer to the Calibration.
	The propeller is seriously.		Replace the propeller.
	The motor holder is deformed after violent crash.		Replace the motor holder parts.
	The gyroscope did not reset after a serious crash.		Put the drone on the flat ground for about 10 minutes or restart the drone to calibrate again.
	Motor is damaged.		Replace the motor.
The drone indicator light is off.	Low battery.		Recharge the drone battery.
	The battery is expired or over discharge protection.		Buy a new battery from local seller to replace the battery or charge the battery.
	Poor contact		Connect and disconnect the battery.
Could not see the picture.	There is an interfering signal nearby.		Practice and read the cellphone controlling instruction carefully.
	Camera is damaged.		Replace Camera.
Hard to control by cellphone.	Not experienced enough.		Practice and read the cellphone controlling instruction carefully.
Can't altitude hold.	The propeller is seriously.		Replace propeller.
	Motor is damaged		Replace the motor.
	Atmospheric pressure is not stable.		Refer to "Altitude Hold Mode" instruction.
Can't position hold.	Whether the GPS has connected or not.		Search again to connect the GPS signal.
Searchedbut could not find the GPS signal.	GPS module is damaged.		Please replace a new one.
	GPS module plug is loose.		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 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.

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 with out restriction.



Manufacturer company: SHANTOU CITY CHENGHAI UDIRC TOYS CO., LTD

Manufacture address: Guangfeng Industrial Zone, Guangyi Street, Chenghai District, Shantou City, Guangdong Province, China

Model: U59

Manufacture time:

MADE IN CHINA

