

uDiRC®

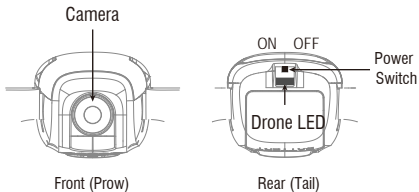
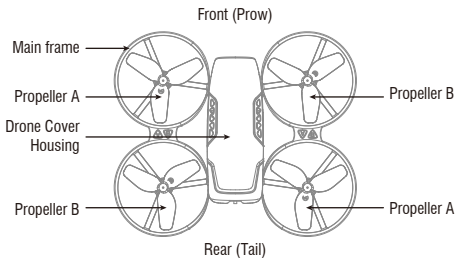
U61 USER MANUAL

Suitable for indoor flight

- ▲ 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



Charging Instruction

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, and then connect other USB charging port. The drone red LED keeps bright when charging and the light turns green when fully charged. The drone power button should be turned off when charging.

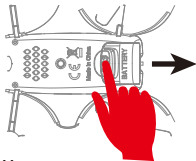
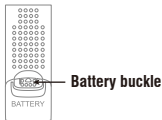
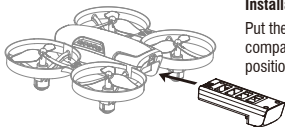


▲ Only use the original charging cable; suggest select Adapters with output current of 5V 2A.

Battery Installation

Installation:

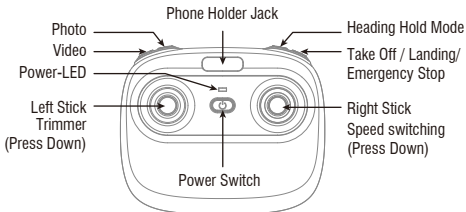
Put the battery into the battery compartment and push it into position.



Disassembly:

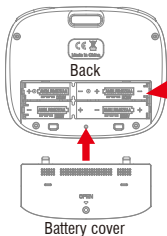
Press the battery button and pull the battery back.

Transmitter Preparation



Notice: Taking photo and recording video are available after connecting with smart phone.

Battery installation

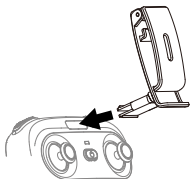


Open the battery cover of the remote controller and place the same type of battery with saturated capacity, according to the '+' '-' electrode indication in the battery cell (Not include).

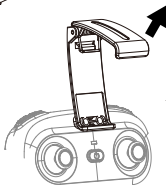


4 × 1.5V AA Battery

Mobile Phone Installation



① Take out the phone holder and insert into the transmitter.



② Pull out upper lamp of the holder and put the phone into the holder, then release the clamp, and the phone will be fixed on the holder. Please make sure that the button on phone is not clamped.

When take out the phone clip, you need to press the clip buckle behind the phone clip, so that the buckle can be closed and removed easily.



Flight Operations

Mobile phone connect with Drone

Download and install APP: Flyingsee

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 on the transmitter, the transmitter indicator light will flash quickly.



② Pull the left stick until bottom and then release, the transmitter power-LED will flash slowly, and enter frequency pairing.



③ Turn on power switch of drone, the indicator light becomes from shiny to long bright which indicating the drone is in the state of successful opposite frequency.

Control stick operation

Left stick



Go up



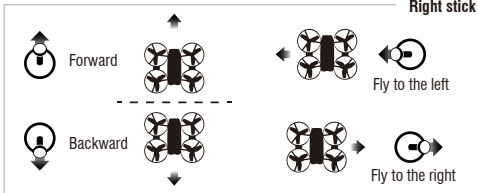
Counterclockwise turn



Go down



Clockwise turn



Take off

After the frequency pairing is successful, press the "take off/land" button, the transmitter will sound "di", and the drone will automatically rises and flies at an altitude of about 1.2 meters.

Landing

During the flight, press the "take off/land" button, the transmitter will sound "di", and the drone will land slowly until landing.

Don't operate the left stick during landing, otherwise the current command will automatically fail.

Emergency Stop: During the flight, press "take off/land" button for about 2 seconds, the transmitter will sound "di.di..." and the drone crashes directly.

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



Heading Hold Mode

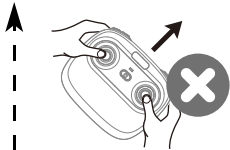
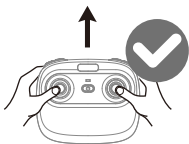
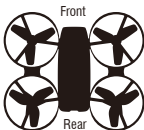
The default setting is NOT Heading Hold Mode.

Heading Hold Mode means that the user can operate the aircraft without having to distinguish directions. This mode is suitable for beginners, or when it is difficult to distinguish the forward and backward direction of the drone.

- ① The Heading Hold Mode needs to ensure that the front of the drone is consistent with the front of the controller, the controller does not change the direction of the transmitter, and the drone is always in front of the controller.
- ② When the front of the drone is not consistent with the pilot's front, the drone will lose control or be lost.

Start: Press the "Heading Hold Mode" button, the transmitter will sound "didi" to enter the Heading Hold Mode.

Off: Press again, the transmitter will sound "didi" to exit the Heading Hold Mode.



Speed mode switch

Medium speed default

Press down the right stick in the center button, the transmitter will sound "di" to enter the Low Speed Mode "L".

Press down again, the transmitter will sound "di.di" to enter the Medium Speed Mode "M".

Press down again, the transmitter will sound "di.di.di" to enter the High Speed Mode "H".

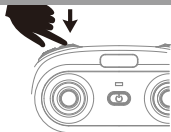


Low speed: suitable for beginners to practice without wind.

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

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

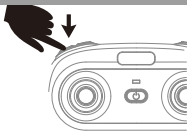
Photos



Short press the "Photo" button once to take a picture.

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

Video



Long press "video" about 1 seconds to enter the recording state, to repeat this action to stop recording and save video.

When taking video, the transmitter will sound "di" sound a long rang.

Notes for Filming

- ① The photos and videos are stored in the phone local gallery, you can display in the phone directly.
- ② App must be authorized to access the phone gallery, if not, then may be unavailable to display the video and photos.

Flying Trimmer



Forward / Backward Trimmer

During the flight, if the drone tilts forward, press down the left stick in the center button, and push the right stick backwards. Otherwise push forwards.



Left and right turning trimmer

During the flight, if the drone head rotates to left, then press down the left stick in the center button and push the left stick to right. Otherwise push to left.



Left and right side flying trimmer

During the flight, if the drone tilts to left, then press down the left stick in the center button and push the right stick to right to adjust. Otherwise push to left.

Drone calibration (When abnormal flying)



After successful frequency alignment, the right stick is pushed to the lower right corner by 45°, and the drone LED turns to keep bright after quick flashing, indicating that the gyroscope has been calibrated. Release the right stick.

Tips: When the drone is fiercely impacted or crashed, it may cause the gyro can not recover and cause difficult control, if so, you can re-pairing & re-calibrate and put the drone on the level surface.

Unlocking/locking the motor

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

- ① In standby, unlocked the motor and working.
- ② In Working, locked the motor and stop rotating.



Altitude Hold Mode

Intelligent flight control system calculates the hovering position, more stable control feature, makes it easier for beginners to control. Release the stick, the drone will keep hovering automatically to enable single hand operation.

Note: If the propeller is deformed or damaged, Altitude Hold Mode will fail.

If the atmospheric pressure is instability or Typhoon weather, Altitude Hold Mode can not work well.

Low Battery Alarm

Transmitter: When the transmitter in low battery, the transmitter will continues to sound "di...di...di....." to remind the user to return home and replace the batteries of the transmitter as soon as possible.

Drone: When the drone in low battery, the transmitter will continues to sound "di.di.di....." to remind the user to return home.

Out of range alarm

When the drone is out of the remote control distance, the transmitter will continues to sound "didi...didi...didi" to alarm the user to return the drone immediately.

Stuck Protection

- ① When the propellers get stuck, then activate stuck protection function and the motors stop running.
- ② Pull down the left stick to the lowest position and then go back to the center, stuck protection will be released and the drone can fly again.

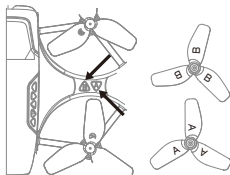
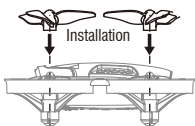
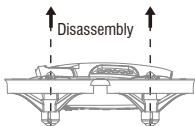
Parts Replacement

Propeller Replacement

Disassembly: hold the propeller vertically and then pull the propeller out.

Installation: mount propeller aim the central shaft of the motor and press down.

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 the propeller are installed correctly, otherwise the drone cannot fly.

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.

Parameter

Drone

Model	U61
Weight	63g (typical value)
Maximum flight time	7 minutes (calm)
WiFi Distance	30m (indoor and unobstructed)
Operating Temperature Range	0°C to 40°C
Operating frequency	2.4GHz / 2.4G WiFi
Battery	3.7V, 500mAh
Type of battery	LiPo
Charging Time	About 80 minutes
Charging temperature range	5°C to 40°C

Transmitter

Operating frequency	2.4GHz
Maximum transmission distance	50m (unobstructed)
Operating temperature	0°C to 40°C
Battery	4 × 1.5V AA battery

Charger

Output 5V = 2A

APP / Live View

App Name	Flyingsee
Image transmission system	2.4GHz wifi
Real time image transmission	480 P@20 fps
Operation System	This software is suitable for mobile phones in the IOS 9.0 or later and Android 4.4 or later system,

Camera

Image resolution	640 × 480P
Static Photography Mode	Single shoot
Video Resolution	640 × 480P
Image mode	RGB
Frame Rate	25
File System	FAT 32
Image format	JPEG
Video format	MP4, H.264
TF Card	Unable
Operation Temperature	0°C to 40°C

Tips: the above data are the test data of UDIRC toy lab, for reference only.

Li-Po Battery Disposal & Recycling



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



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. Mis-operation.	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 or charge the battery in accordance with the use manual.
6	Could not see the picture.	1. There is interfering signal nearby.	1. Cut off the wire and re-connect.
		2. Damaged camera.	2. 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.

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.

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.



MADE IN CHINA

**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.