

uDiRC

USER MANUAL

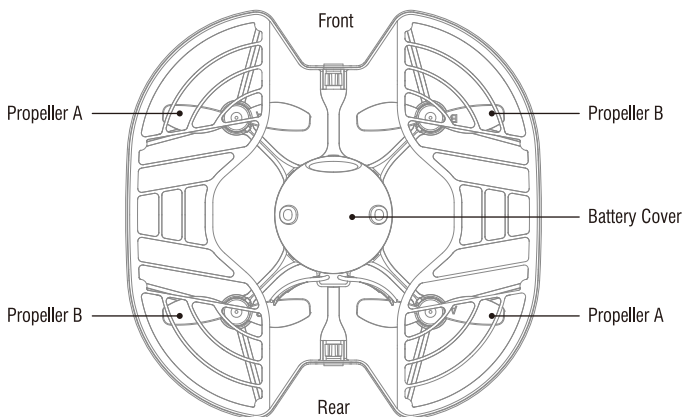
Suitable for indoor flight

U70

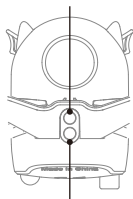
- ▲ This product is suitable for users over 14 years old.
- ▲ Stay away from the rotating propeller
- ▲ Read the "Important statement and safety guidelines" carefully.

Ready Before Take Off

Drone preparation

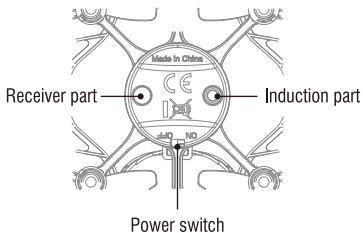


Front LED lights



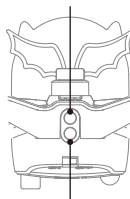
Induction part

Front view



Bottom view

Back LED lights



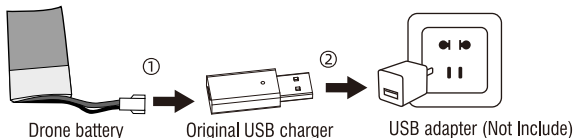
Induction part

Back view

Drone battery Charger

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

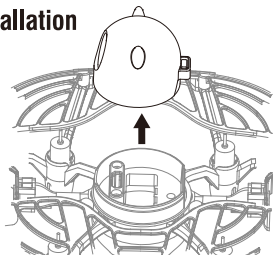
Connect the original charging cable with the drone, and then connect other USB charging port. The USB charger indicator is red when charging and the light turns green when fully charged.



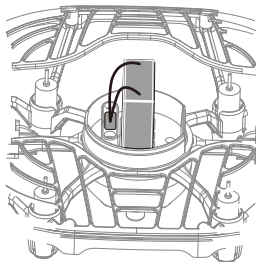
▲ Only use the original charging line, and only select adapters with output current of $\leq 5V \text{ --- } 2A$.

Battery installation

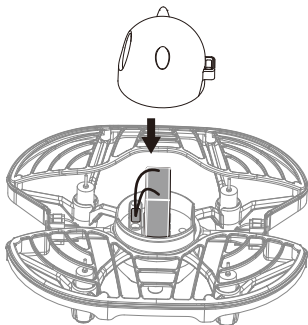
Installation



① Pull up and remove the battery cover.



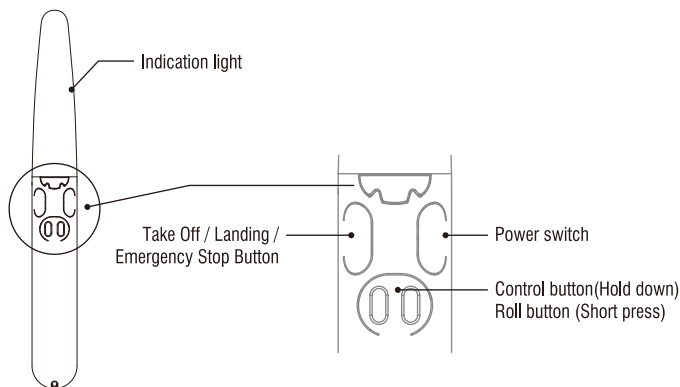
② Put the battery into the battery compartment and connect the battery plug to the drone socket.



③ Put the battery cover on.

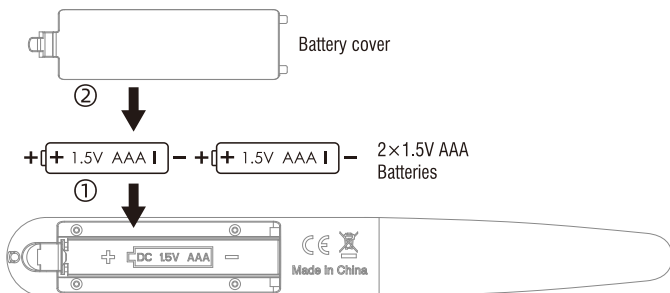
Disassembly: Reverse operation in order.

Transmitter preparation



Transmitter battery installation

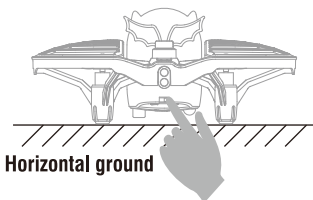
Open the battery cover on the back side of the transmitter, according to the "+-" electrode instruction in the battery groove, place the battery with the same type of saturated power (battery not include).



Flight Operation

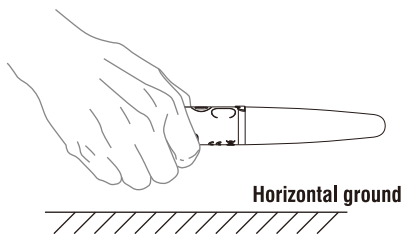
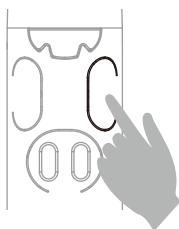
Transmitter connect with drone

Frequency Pairing



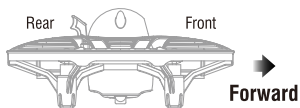
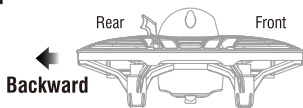
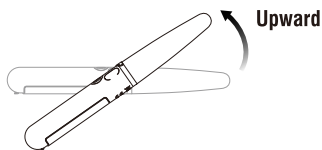
- ① Power on the drone, the drone indicator will keep bright.

- ② Turn on the power on the transmitter, the indicator will flash; level the transmitter to be parallel to the horizontal ground, and when the indicator light of transmitter keep green bright and show frequency pairing successful.

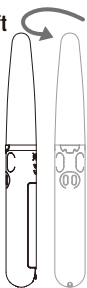


- * Press and hold the power switch of transmitter for about 2 seconds to turn off the transmitter.

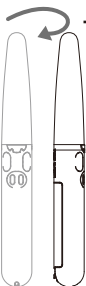
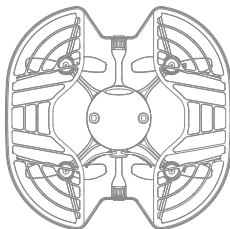
Transmitter Operation



Turn to the left

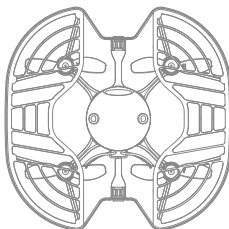


Fly to the left



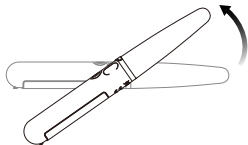
Turn to the right

Fly to the right

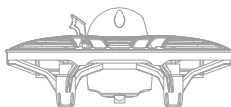


Hold down

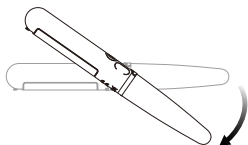
Upward



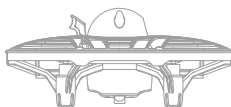
Go up



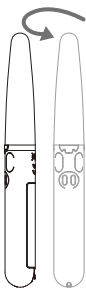
Downward



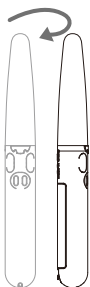
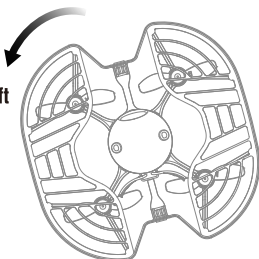
Go down



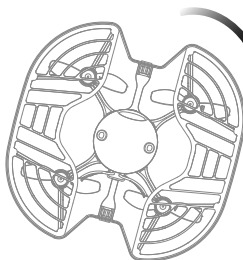
Turn to the left



Rotate left



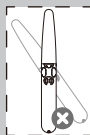
Turn to the right



Rotate right

Notes:

The transmitter turn to left/right, it means turning the transmitter to the left / right on its own axis.



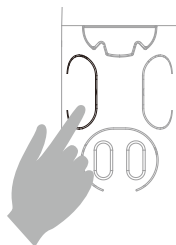
Take off

After the frequency pairing is successful, press "take off/land" button, the drone will automatically rise and hover at a height of about 1.2 meters .

Landing

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

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



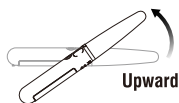
Tip: Do not use the emergency stop function unless in emergency situation.

Roll

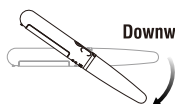
Short press



During the flight, after short press "Roll" button, the transmitter will upward/downward/turn to the left/right, and the drone will complete a roll operation.

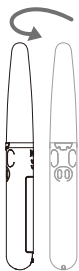


Upward



Downward

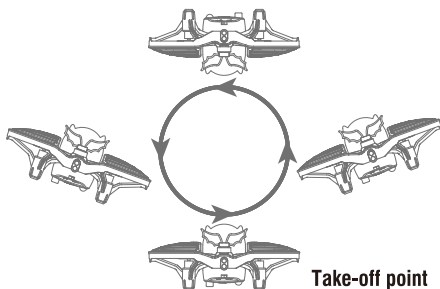
Turn to the left



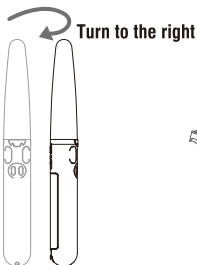
Roll backward



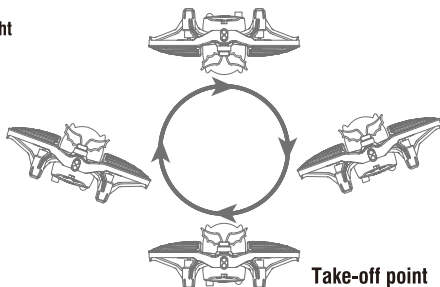
Roll forward



Take-off point

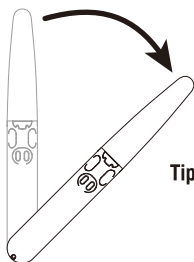


Turn to the right



Take-off point

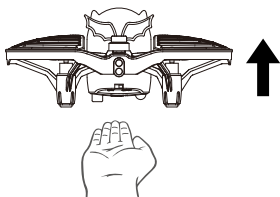
Drone calibration (When abnormal flying)



After successful frequency alignment, the transmitter first vertically and then right tilts 45° stays for 2 seconds, until the drone LED lights from flash quickly to keep bright, and the calibration is completed.

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.

Induction mode operation



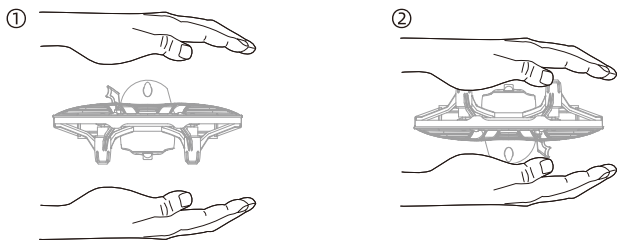
Turn on the power switch, place the drone on your hand and throw up gently, it will start automatically to enter the flight state.

Notes: Without connect to the transmitter.

Flight Interaction

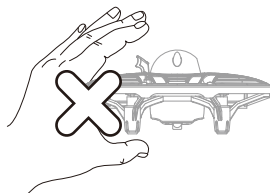
1. Place your hand or an obstacle near the bottom of drone, the drone will rise to a certain height.
2. The drone will move from time to time when your hand or an obstacle is around it.
3. If there's bright light, black obstacle or glass, the flight will be influenced.

Stop the flight



Put your hand together, when flying, grasp the drone and turn it over, the flight is stopped right now.

Note: Don't grasp the sides of the drone, or you may be hit by the rotating propellers.



Low Battery Alarm

When the transmitter is in low battery, and the transmitter is not operating, the red light will flash quickly to prompt to remind the user to return home and replace the batteries of the transmitter as soon as possible.

When the power of the drone will run out, the drone light will continue to "flash and stop". It means that you must return at this time.

Altitude hold model

Intelligent flight control system calculates the hovering position, more stable control feature, makes it easier for beginners to control.

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.

Parameter

Drone

Weight: 30.8g (typical value)
Drone size: 107*105*47mm
Maximum flight time: 5 minutes(calm)
Operating Temperature Range: 0°C to 40°C
Operating frequency: 2.4Ghz
Battery: 3.7V,220mAh
Type of battery: LiPo
Charging Time: About 40 minutes
Charging temperature range: 5°C to 40°C

Transmitter

Operating frequency: 2.4Ghz
Maximum transmission distance: 20m
(no interference and barrier-free)
Operating temperature: 0° to 40°
Battery: 2*1.5V AAA battery

Charger

Output: 5V === 2A

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

Attention

- ① Switching sequence. At first, turn on the power of the drone, then turn on the power of the transmitter. After the end, turn off the power of the transmitter first, and then turn off the power of the drone.
- 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.



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.	1. Low battery.	1. Replace the controller battery.
	2. The batteries are incorrectly.	2. Install the batteries following the polarity indicators.
	3. The batteries are incorrectly positioned.	3. Clean the dirt between the battery and the battery contacts.
Failed to pair the drone with the controller.	1. Indicator light is off.	1. The same as above.
	2. There is an interfering signal nearby.	2. Restart the drone and power on the controller.
	3. Mis-operation.	3. Operate the drone step by step in accordance with the user manual.
	4. The electronic component is damaged for fiercely crash.	4. To buy spare parts from local seller and replace damaged parts.
The drone is under-powered or can not fly.	1. The propeller is seriously deformed.	1. Replace the propeller.
	2. Low battery.	2. Charge the drone battery.
	3. Incorrect installation of propeller.	3. Install the propeller in accordance with the user manual.
The drone could not hover and tilts to one side.	1. The propeller is seriously deformed.	1. Replace the propeller.
	2. The motor holder is deformed after violent crash.	2. Replace the motor holder parts.
	3. The gyroscope did not reset after a serious crash.	3. Put the drone on the flat ground for about 10 minutes or restart the drone to calibrate again.
	4. Motor is damaged.	4. Replace the motor.
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.

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: U70

Manufacture time:

MADE IN CHINA