# UdiR/C

# U39S / U43 / U43S
# QUICK START GUIDE

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

V1.0

## Note

▲ This product is suitable for users over 14 years old.
▲ Stay away from the rotating propeller
▲ Please read the guidelines before using them, and
   follow all security precautions.

**14+**

# Drone preparation

Front

Navigation lights (Red)
Front folding arm

Propeller A

Propeller B

Power switch

Drone battery

Battery indicator

Propeller B

Propeller A

Rear folding arm
Navigation lights (Green)

Rear

Bottom view

Camera gimbal

Tripod

Tripod

Navigation lights (Red)

Navigation lights (Red)

SD card slot
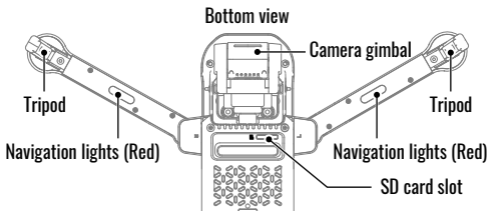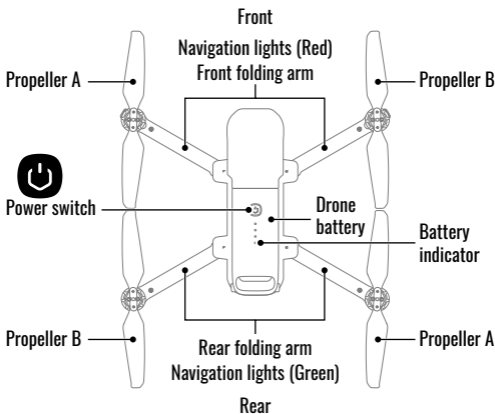
# Unfolding Instruction
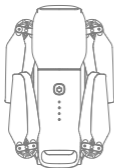
Folding State

1) Rear folding arms unfold

2) Front folding arms unfold
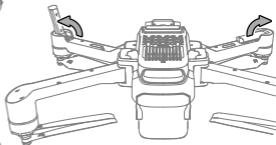
3) Open the tripod

# Drone battery charging

**Battery power is low in the original factory, It must be fully charged before use.**

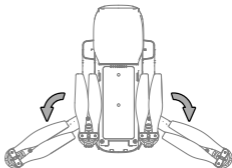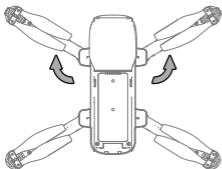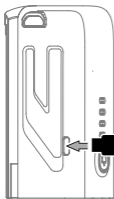Connect the Drone-battery to charging port with included USB charger cable, and then connect to other USB output port (Output: 5V, ≥2A). Battery indicator flashes when charged, and always on when fully charged. Support QC3.0 fast charging protocol.
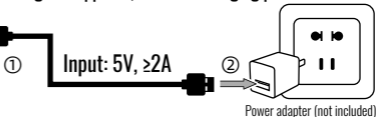
① Input: 5V, ≥2A ②

Drone battery

Power adapter (not included)

## *Warning: Must be supervised while charging*

*Please use the included USB charging cable and make sure it is properly connected.*

# Installation of drone battery
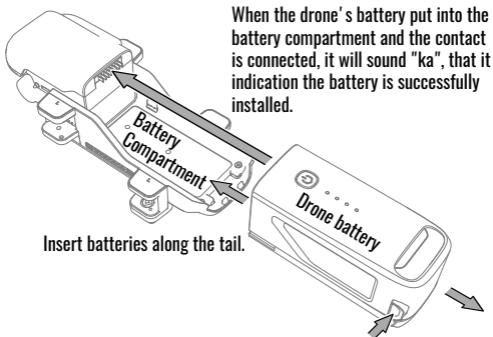
When the drone's battery put into the battery compartment and the contact is connected, it will sound "ka", that it indication the battery is successfully installed.

Battery Compartment

Drone battery

Insert batteries along the tail.

Remove: Press the double unlock and pull out the battery backwards.

# Install an SD card (Not Include)
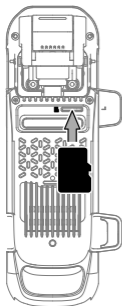
Insert the SD card into the slot in the drone's body. Please make sure the metal contact facing. After installation, the SD card can be used normally only after formating in "Setting-other" of the APP.

*Note:*
*High-quality video or photo shooting requires the storage device to support fast writing. Use a micro SD card with UHS-I Speed Grade 3 or higher specifications to ensure the shooting performance. Please do not insert or remove the SD card when the drone is turned on or remove the battery when the power is turned on. Otherwise, the SD card may be damaged and data may be lost.*

# Transmitter preparation

Gimbal Rotary Button

Video ● 📷 Photo

Phone Holder

Left stick

Right Stick

⚡ Gimbal back to central/down

Speed switch

✖️ GPS switch

🛬 ⏸ Return/Pause

⏻ Power switch

Transmitter power indicator
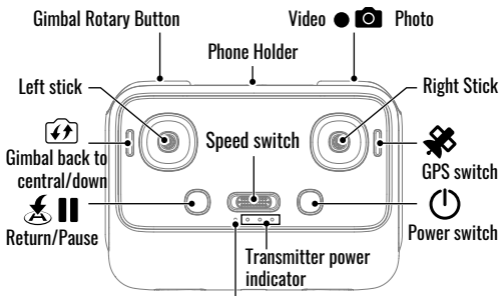
The GPS indicator is White when using ordinary transmitter
( The GPS indicator is Green when using PA transmitter)

# Transmitter charging

**Battery power is low in the original factory, It must be fully charged before use.**
Connect the transmitter to charging port with included USB charger
cable, and then connect to other USB output port (Output: ≤5V, ≥1A).
the transmitter indicator flashes circularly when charged, and always
on when fully charged.
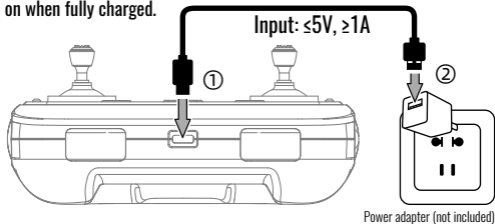
Input: ≤5V, ≥1A

① ②

Power adapter (not included)

## *Warning: Must be supervised while charging*
*Please use the included USB charging cable and make sure it is properly connected.*

## Installation of phone holder and phone

Pull up

Back of transmitter

Phone

Bottom support clamp

Upper support clamp

TINI

Top of transmitter

**Notice:
Don't clip the buttons on
the side of the phone.**
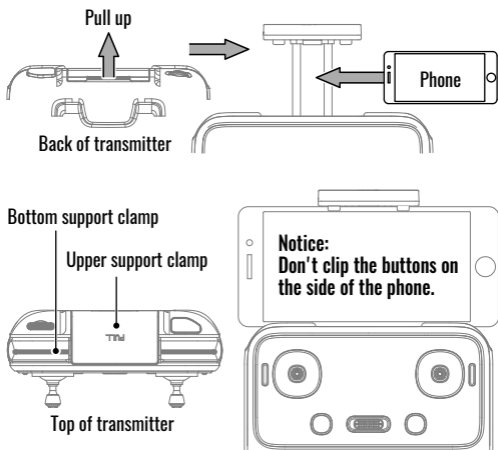
Place the phone in the upper and bottom support clamps Between, the
clamp will automatically clamp the mobile phone .

# Flight Operations

## Mobile phone connect with Drone

### Download and install APP: UDIRC-X
This software is suitable for mobile phones in the
IOS 9.0 or later and Android 4.4 or later system.
For detailed operation, please check the system
"HELP" of APP.

# Transmitter  connect with Drone

## Frequency Pairing

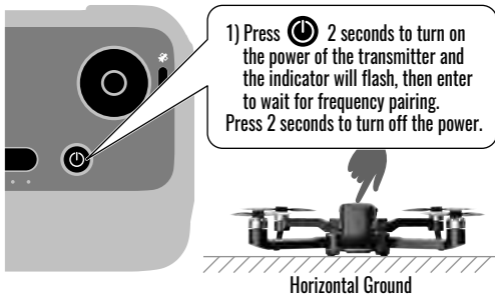1) Press ⏻ 2 seconds to turn on the power of the transmitter and the indicator will flash, then enter to wait for frequency pairing.
Press 2 seconds to turn off the power.

Horizontal Ground

2) Press ⏻ 2 seconds to turn on the power of the drone and the front navigation will keep bright. When the transmitter sounds "didi" indicates that the frequency is successful. The indicator light of the transmitter will keep bright and the navigation light flashes cyclically to enter GPS signal search state.
Press 2 seconds to turn off the power.

*The frequency paring time of PA transmitter is 30-60 seconds, please make sure no operation during frequency pairing.*

## GPS Signal Search

After the frequency paring is successful, the drone will search for GPS signal automatically. When the transmitter sounds "di", it indicating the GPS connection is successful.
(When the GPS signal is weak or flying indoors, the flight height defaults to about 4m.)

# Compass calibration

When the compass is affected by geomagnetic interference, it will be notified in APP. Please follow the instructions.

# Unlocking/locking the motor

Push the left and right stick inward to the 45° angle simultaneously.
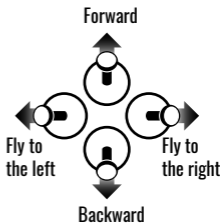
① On standby drone, motor rotation, drone unlocked.

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

Go up

Counter-clockwise turn

Clockwise turn

Go down

**Left stick**

Forward

Fly to the left

Fly to the right

Backward
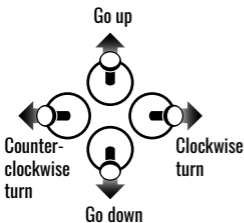
**Right stick**

# Take off

After unlocking the motor, the left stick slowly pushes up and the drone slowly rises.

# Landing

During the flight, the left stick slowly pull down , and the drone slowly lands until landing.

Press at once, gimbal turn down; Press again, gimbal back to center
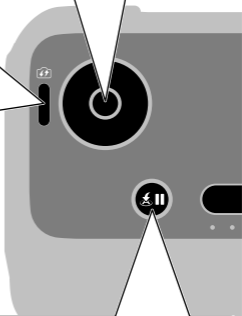
# Return

During the flight, press " ![button] " button, and the transmitter will sound "di" then the drone will return to the take off point automatically. During the drone return, the power indicator of the transmitter flashes circularly.

# Stop Return

To stop the return, press this button again.

Note:
During the return, the right sitck are not able to control the drone. It must wait until the drone returns to the take off point and keeps in the same direction as the take off, the right stick can control the drone.

# �֎ GPS ON /OFF GPS is on by default.

Long press, the transmitter will sound "di..." to turn off the GPS. After repeated operation, the transmitter will sound "di" to turn on the GPS.

Note:
this function is only used when the motor is locked. If you want to fly indoor please turn off the GPS function first.

NORMAL
CINE—|  |—SPORT

CINE: Low speed
NORMAL: Medium speed
SPORT: High speed

# Photo ● 📷 Video

Press the button once to take a picture and the transmitter will sound "di".

Press the button for 2 seconds, the transmitter will sound "di..." to start recording. Repeat this action to stop recording and save the video.

# Gimbal Adjustment ◄—►

Roll Gimbal Rotary Button, adjust Camera Angle.

### Notes for Filming

*1) Photos taken will be saved to mobile picture library and drone SD card; Video can be saved in SD card first.*
*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 SD card.*
*4) When aerial video is read by computer, it must have corresponding playback software.*

# 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. Follow the APP guide to operate.

# Encircling flight

Follow the APP guide to operate.

Go upward to narrow the radius of encircling.

Turn left, the drone flies clockwise; Move further, the flying speed will become faster.
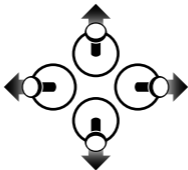
Turn right, the drone flies counterclockwise; Move further, the speed will become faster.

Go downside to enlarge the radius of encircling.

*In the state of encircling flying, the left stick could only control the height of the drone.*

# Low Battery Alarm

When the battery power of the transmitter is running out, it will sound of "didi" and the power indicator flashes. This moment, please return soon and charge the transmitter.

# Automatic Return

When the battery power of the drone is runnign out, there will be an alarm on the APP interface and the navigation light will change from long bright to flash light. This moment, the drone will automatiocally return to the air above take off point.

# Out of range alarm

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

# Stuck Protection

When the propeller is stuck and does not rotate, the drone will start the automatic protection function to stop the motor working.

# 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 remote control 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.

# 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, blade or electric pool of the drone and the damage degree, so that the drone can fly again. If it is damaged, please replace it with new accessories, otherwise it will easily cause flight accidents.
3) Battery must be removed when the drone is not in use.

# 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 interferencein 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 thereceiver 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 authorityto 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.

# ⚠ WARNING

Warning: The product should only be used by adults and children over 14 years.
Adult supervision is required for children under 14 years.

Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 14 Jahren.
Die kinder unter 14 Jahren müssen von Erwachsenen beaufsichtigt werden.

Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 14 ans.
Les enfants de moins de 14 ans doivent être surveillés par des adultes.

Avvertimento: Questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 14 anni.
I bambini di età inferiore ai 14 anni devono essere sorvegliati da un adulto.

Advertencia: Este producto es para adultos y niños mayores de 14 años.
Los niños menores de 14 años deben ser supervisados por adultos.

**警告:** この製品は、大人と14歳以上の子供には使用対象です。
14歳未満の子供は大人の監視が必要です。

تحذير: يجب على البالغين فقط من طفل بلغ من سن الغبين والأطفال فوق سن 14 عاماً.
إشراف الكبار مطلوب للأطفال دون سن 14 عاماً.

**14+**

**DANGER!**
Only suitable
for age 14+

Manufacturer: **UDIRC TECHNOLOGY CO., LTD**
Address: Guangfeng Industrial Zone, Guangyi Street, Chenghai District, Shantou City, Guangdong Province, CN

MADE IN CHINA