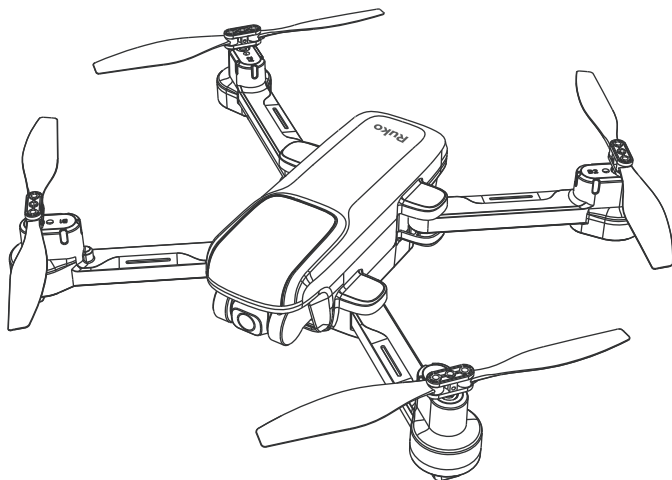


**Ruko**<sup>®</sup>

**14+**  
for age

# Quick Start Guide

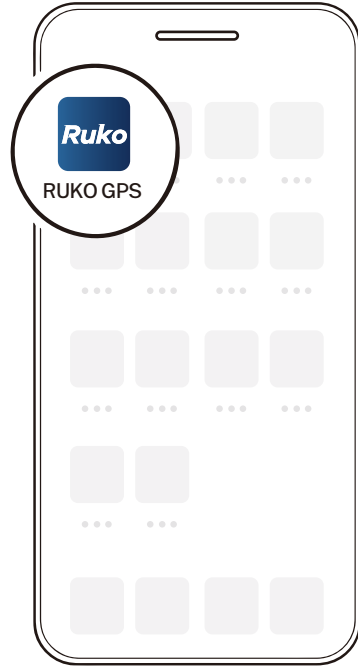
v1.0



# U11

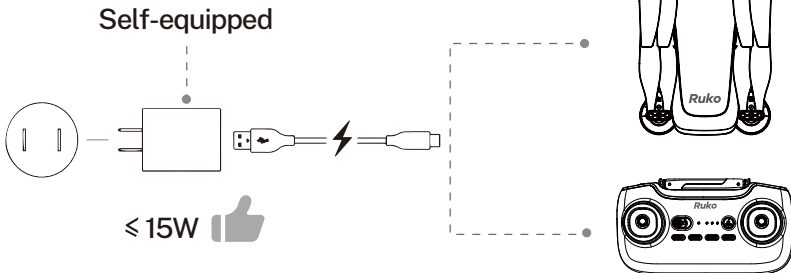
## Download App

Q RUKO GPS

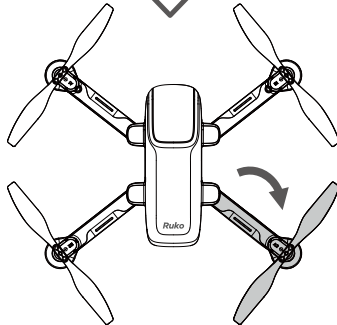
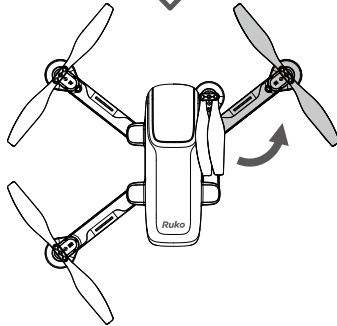
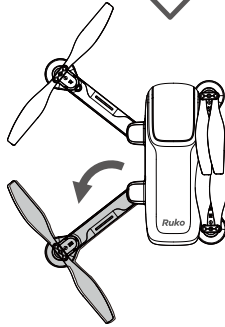
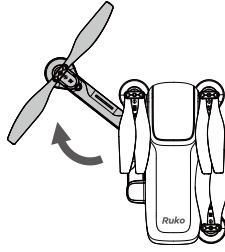


RUKO GPS App

## Charge the Batteries



# 2



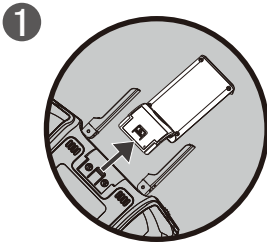
# 3

## Unfold the Antenna



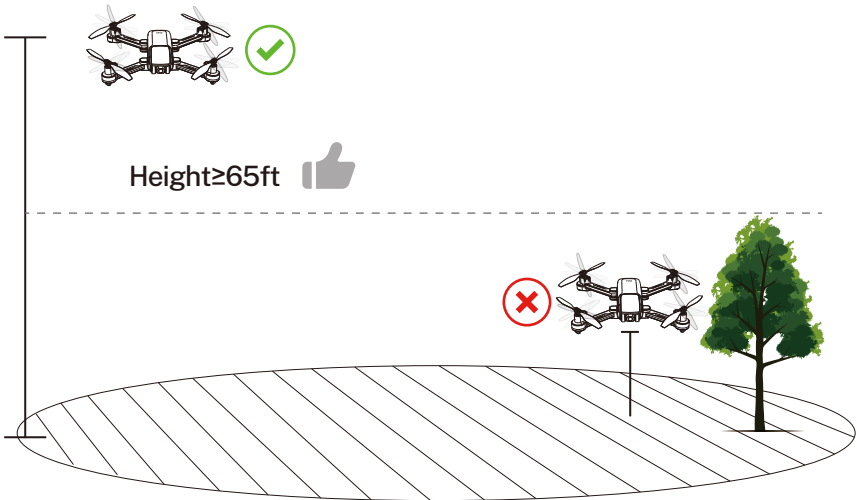
---

## Install the Phone Holder



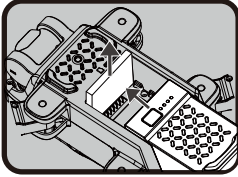
# 4

## Select an Open Area



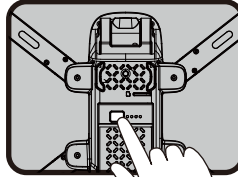
# 5

1



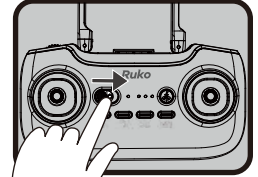
- Remove the sponge sheet, then install the battery.

2



- Press and hold the button until the Aircraft plays startup sound.

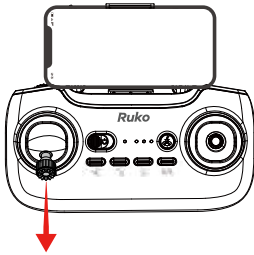
3



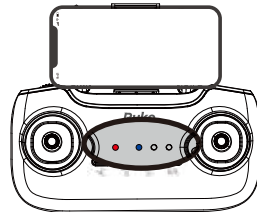
- Push the button to power on the Transmitter.

---

## Pair the Transmitter with the Aircraft



- Push down the left stick and the remote controller plays a "beep" sound.

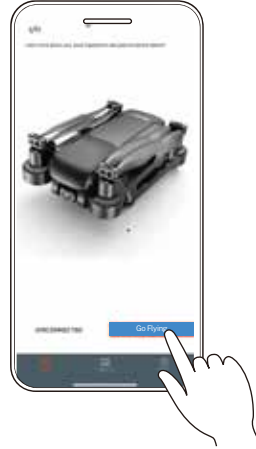


- Once successfully paired, only red light will stay on and blue light is flashing.

# 6

## Connect to Wi-Fi

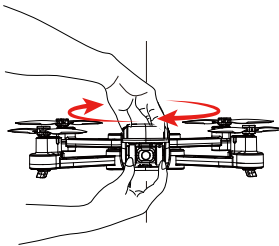
- Connect the mobile device to the Aircraft's Wi-Fi and enter the App operation page.



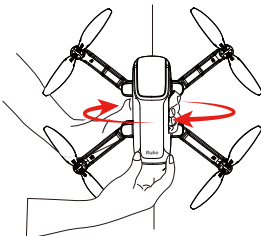
Tap "Go Flying" icon

---

## Calibrate the Compass



- Rotate the aircraft horizontally 360° until the controller plays a "beep" sound.  
( About 3 turns)



- Rotate the aircraft vertically 360° the controller plays a "beep" sound.  
( About 3 turns)

# 7

## Calibrate the Gyroscope

- Push the right stick to 5 o'clock position until the controller plays a "beep" sound.  
( About 2 seconds )

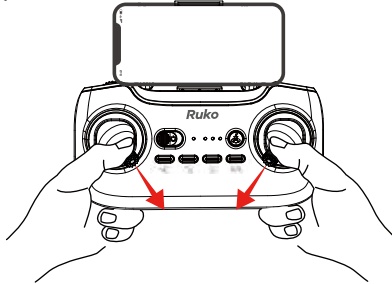


A level ground

---

## Start the Motors

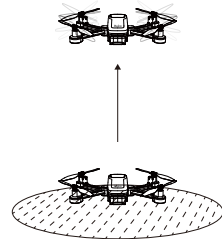
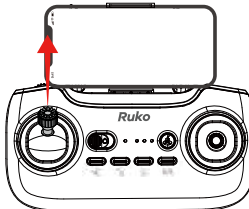
- Push joysticks to 5 & 7 o'clock position.  
( About 2 seconds )



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## Take off

- Push up the left joysticks.





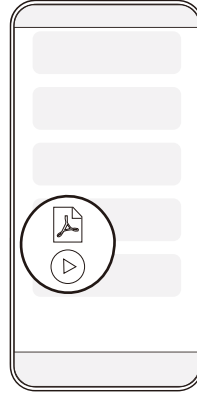


## NEW TO FLYING DRONES?

1



2



Check the Flight Guide in the App



Search **"Ruko U11 Quick Start"**  
on YouTube for First Flight



Scan QR Code for More  
Tech and Video Support

### CONTACT US FOR MORE TECH SUPPORT

✉ Rukodrone@gmail.com

☎ +1 (949) 394 - 4635 ( Available from 6pm to 3am PDT)

Printed in China.

# Common Problems and Solutions

Question	Reason	Solutions
The motors cannot be started	Weak GPS signal	Turn on the Aircraft in an open area with strong GPS signal
	The red light stays on	The Aircraft has low battery. Please charge the battery in time
	The left and right joystick are not in place	Push the left and right joysticks simultaneously to 5 o' clock and 7 o' clock for 2 seconds
Unstable flight	Flying too low, affected by airflow	Please fly the Aircraft above 9.84ft(3 meters)
	The gyroscope is not calibrated	Place the Aircraft on a horizontal surface and conduct gyroscope/horizontal calibration. Please refer to the "Calibration Before Flight" section of the user manual
	The propellers become deformed and incomplete	Replace the propellers with new ones
	GPS signal is unstable. Flying near buildings and in obstructed places	Please fly the Aircraft in an open area free of obstacles within the circle of radius 32.81 ft(10 meters)
Can't fly high after flying to 4 meters	It can only fly 4 meters high in optical flow mode	Wait until GPS signal is found before taking off
	The GPS signal is not found when flying outdoors	
Can't take off after replacing the blades	4 blades are installed reversely or 1 blade is installed wrong	Follow the correct corresponding markings to install blades
Out of control, spinning around on its own, abnormal sound	The Transmitter signal is interfered or the Aircraft exceeds the range of remote control	Please fly the Aircraft outdoors without interference, and ensure that it is within a controllable range
	Compass interference	Please manually land the drone in time and calibrate the compass. Please make sure to fly away from the buildings, trees, power lines, and signal towers
	The propellers become deformed and incomplete	Replace the propellers with new ones
Pictures and videos can't be saved in SD card	The SD card is full	Delete the contents of the SD card
	The storage file format is not set correctly	Select the FAT32 file format when formatting
	Problem of SD card	Try to format or replace the SD card
Only photos and no videos are saved on the mobile phone	This is the unique design of the camera, not a malfunction	After the SD card is installed, the mobile phone does not store video, which is stored on the card

Question	Reason	Solutions
Video freezes, image transmission distance is short	The Aircraft is out of Wi-Fi range	Fly the Aircraft within the range of the Wi-Fi
	WiFi image transmission signal interference	Fly the Aircraft in an unobstructed open area free of buildings, high-voltage wires and signal towers
	The transmitter and the mobile phone are not pointed at the direction of the drone	Point the Transmitter and the mobile device at the flying direction of the Aircraft to maintain the strongest signal connection
	Phone performance freezes	Close unused apps running in the background to maintain the best performance of the phone
App does not display the interface	The phone is not connected to Wi-Fi	Connect your mobile device to the Wi-Fi : drone-*****
	The phone version is too low	Android 6.0 and above, IOS 10.02 and above
	When connecting to the drone' s WiFi, the network is not set or set incorrectly	Set the Wi-Fi correctly
		Turn the phone to airplane mode
VPN switch is turned on	Turn off the VPN switch	
Phone cannot connect to Wi-Fi	It is the first time to connect your phone to the Wi-Fi	Try connecting a few more times or restart the phone
The WiFi name is not displayed in the list	The phone is a single band phone	Use the dual band devices that support both 2.4 GHz and 5 GHz/5.8 GHz
	WiFi has not been activated	Wait for about 30 seconds after turning on the Aircraft and keep refreshing the Wi-Fi list while the Wi-Fi is activated
GPS signal is weak	Turning on the drone indoors	GPS signals cannot be found indoors, please search for GPS signals in an open place outdoors
	Under the tree, next to the building, in an obstructed place	Please stay away from obstacles for more than 32.81 feet(10 meters), and search for GPS signals in an open area
Unable to return home, drifting and flying away	GPS signal was turned off during the flight	Please don't turn off GPS suddenly during outdoor flight. Switch back to GPS mode in time
The Transmitter does not charge / App always says the Transmitter has low battery	The phone cannot connect to the Transmitter due to the wrong sequence for turning equipment on	The correct sequence is: Turn the Aircraft on first, then turn on the Transmitter. Next push the left stick down to pair the Transmitter with the Aircraft. Connect your mobile device to Wi-Fi in the end
The Aircraft cannot be paired with the Transmitter	Pairing the Transmitter with the Aircraft without unlocking the Transmitter	Correct pairing steps: 1. Turn on the Aircraft. 2. Turn on the Transmitter: push the left joystick down to 6 o'clock position to unlock the Transmitter and pair it with the Aircraft.

Question	Reason	Solutions
Cannot charge battery/Cannot fully charge battery	Using inferior charger or charging on the computer with unstable voltage output	Use a mobile USB charger that ensures constant stable voltage output(5V) and amperage output(2-3A)
	Using inferior charging cables	Please use the original factory charging cable to charge
Short battery life	Flying in windy weather	Flying in windy weather will accelerate power loss
	Flying in cold weather	In low temperatures, the chemical reaction of the lithium battery is slowed down and the energy cannot be fully released
	The battery is not fully charged	Please use the correct charger to fully charge
The product has slight marks	We tested all Aircraft before shipping	In order to give you the best experience, we tested functions of all Aircraft before shipping. Therefore, it is inevitable that there will be slight traces. However, it can be guaranteed that all Aircraft are 100% brand new

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