



Ruko F11 Drones with Camera User Guide

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Ruko[®]

Disclaimer & Safety Guideline
v1.0



F11
14+
for age

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Safety at a Glance!



The Ruko F11 is NOT a toy and is NOT suitable for people under the age of 14.

Glossary

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:



Recommend



Warning



Hints & Tips



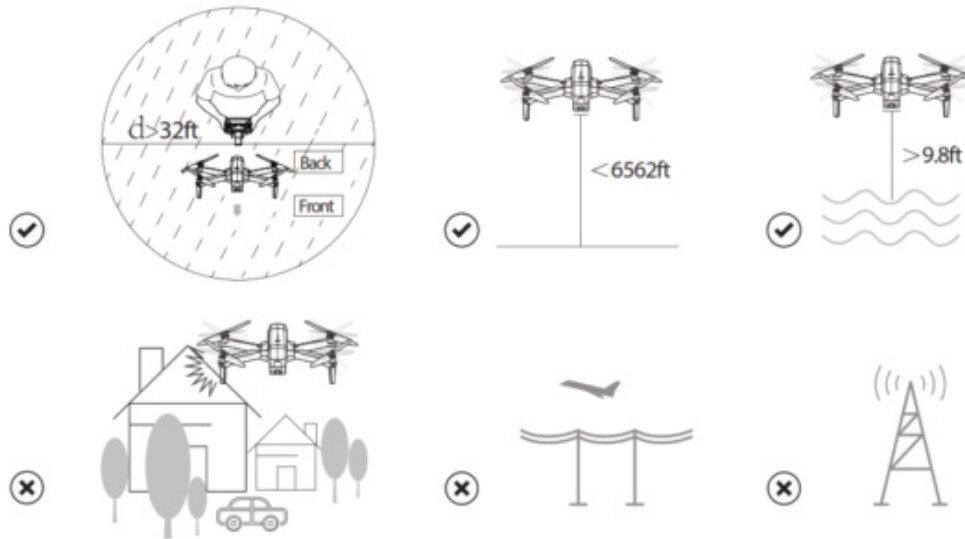
Reference

Disclaimer and Warning

- This product is NOT a toy and is NOT suitable for people under the age of 14. Keep the aircraft out of the reach of children and exercise caution when operating this aircraft in the presence of children.
- This product is a flying camera that offers an easy night when in good working order as set forth below. Read the materials associated with the product before using it for the first time. These documents are included in the product package.
- Inappropriate use of the product could result in personal injury or property damage.
- The information in this document affects your safety and your legal rights and responsibilities.
- Read this entire document carefully to ensure proper configuration before use. Failure to read and follow the instructions and warnings in this document may result in product loss, serious injury to you, or damage to your aircraft.
- By using this product, you hereby signify that you have read this disclaimer carefully and that you understand and agree to abide by the terms and conditions herein. Please be sure to strictly abide by the specification requirements and safety guidelines stated in this document.
- You agree to use this product only for purposes that are proper and in accordance with local regulations, terms, and all applicable policies and guidelines Ruko may make available.
- Any personal injury property damage, legal disputes, and all other adverse events caused by the violation of the safety instructions or due to any other factor WILL NOT be Ruko's responsibility.

Flight Environment Requirements

Fly in an open field far away from densely populated areas, residential surroundings, and electromagnetic interference sources. When flying in areas below 2000 meters above sea level, please be at least 3 meters above the water when flying on the water.



- The compass and GPS signals on the aircraft will be interfered with by buildings, mountains, and trees.
- It is recommended to fly in an open space with a diameter of 10 meters without interference.
- The flying height must be higher than the obstacles on the ground to avoid a collision.
- It is recommended that the flying altitude be greater than 15 meters to avoid other signal interference from the ground.
- Electromagnetic interference sources include but are not limited to high-voltage power lines, high-voltage power transmission stations, mobile phone base stations and TV broadcast signal towers, Wi-Fi hotspots, routers, and Bluetooth devices. Must fly away from electromagnetic interference sources.
- Fly in an environment of 0°C to 40°C and good weather (not rain, fog, snow, thunder and lightning, strong wind, or extreme weather).



- It is forbidden to fly indoors. Please do not fly in the no-fly zone and comply with local laws.

Pre-Flight Checklist

- Ensure that the arms of the Aircraft are fully extended. Make sure that the battery compartment cover is fastened firmly and the intelligent flight battery is installed firmly.
- Ensure that the propeller is free from damage, aging, deformation, no foreign matter entanglement, and firm installation.
- Please make sure that GPS is turned on to avoid it would be lost please fly outdoor in an open place.
- Turn on the Aircraft, then turn on the Transmitter, please pair it with the Aircraft.
- Connect Aircraft WiFi with your phone, make sure that you have connected the WIFI name "RUKO-F1 1-XXXX" exactly after App access right and Internet's permission with your phone, please make reference to operation video on App first before flying.

Flight Operations

- Keep away from propellers and motors that are working and rotating. Fly in a non-interference environment and within line of sight (VLOS).
- Do not make calls or send text messages during the flight
- When the GPS signal is poor, please return as soon as possible when the battery is low or the wind is a warning.
- The Aircraft is not equipped with an obstacle avoidance function. During the flight, please judge the flight status reasonably, avoid obstacles in time, and set the corresponding flight and return altitude according to the flight environment. If the Aircraft drifts during flight and cannot hover steadily, please land the drone and re-calibrate the compass before taking off.

Instructions for Using Intelligent Flight Battery and Warning

- It is recommended to charge and discharge it once a month, not store it fully charged, keep 50%-60% of the electricity, the storage temperature is 10-40°C, and the best storage temperature is 19-21°C.
- Water enters the battery and the battery protection board fails, which will cause the battery to not be used normally. Do not use the battery in rain or in a humid environment, as this may cause the battery to self-ignite or even explode.
- If the battery is squeezed, deformed, and dropped from a high altitude, it is forbidden to use it again.
- Prohibition of prolonged high-temperature exposure. The high temperature of the battery will cause the internal pressure of the battery to be too high and cause an explosion.
- The positive and negative poles are short-circuited for a long time (such as the short-circuit caused by the water coming out of the battery contacts, the foreign matter in the hair, etc.).
- If it exceeds 30 minutes, the protection board IC will fail and disconnect, and the battery will not work normally.
- Charging it is forbidden to use fast chargers that exceed the rated power of the battery. It is recommended to use 5V/2A or 5V/3A chargers, do not use more than 5V/3A
- chargers. If the aircraft has not been used for a month, the battery must be removed to prevent the battery from being in a long-term low-power discharge state.



Use 5V/3A charging plugs. Fast charging plugs exceeding 5V/3A are prohibited.

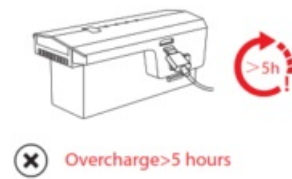


It is prohibited to use computer USB, simple USB, and non-original charging cables for charging.

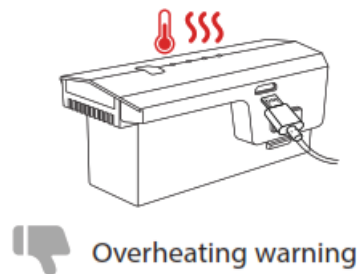


⚠ Please remove the battery in time after the Aircraft has landed on low power to avoid battery damage caused by battery over-discharge.

⚠ It is forbidden to overcharge the battery, please remove the charging cable in time after fully charged to avoid damage due to overcharge.





⚠ DO NOT charge the battery immediately after the flight as the temperature may be too high. Wait until it cools down to room temperature before charging again. Due to the battery current output, slight hotness is normal while flying.



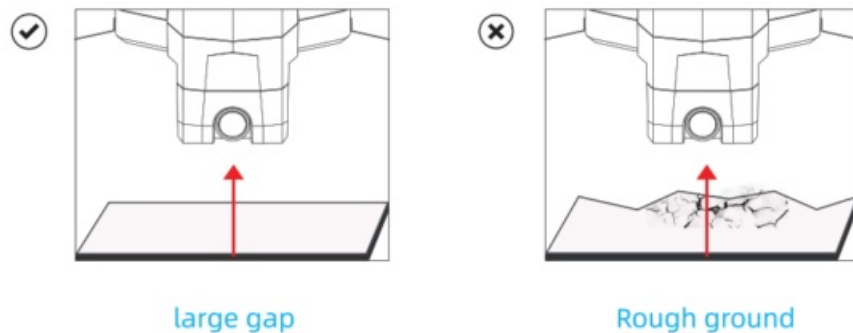
Problems You May Encounter

1. To Prevent Flying Lost

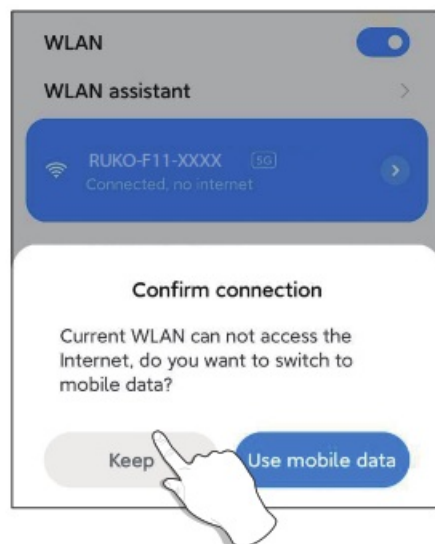
- 1) It is better for beginners to fly the Aircraft within real-time image transmission range on your phone's APP for safety.
- 2) During flight, DO NOT turn off GPS signal (Do not long-press this button on the left upper corner , otherwise GPS will turn off), the Aircraft would fly unsteadily, or lose the direction or will be lost completely.
- 3) During flight, if the picture freezes, the reason is WiFi disconnection, please RETURN THE DRONE rest, change another new environment or check if there is interference around, then connect again.
- 4) This button on the right upper corner  after long-pressing is only for emergency stops. DO NOT use it casually while flying, otherwise it will crash.

2. Camera Guidelines

- 1) Do not place the Aircraft on rough ground and turn it on, coz the camera will adjust up and down for self-calibration, please place it in a horizontal position to make sure there is enough gap under the camera, otherwise, the camera would be stuck.
- 2) If the camera is stuck, please place the drone in a horizontal position without obstacles and restart the Aircraft. then check if it can make self-calibration, or make microscope calibration to check camera self-calibration.
- 3) If not, turn off the Aircraft, then move the camera up and down by hand. If still stuck, please contact us for technical support.



3. WIFI Guidelines



- 1) For android phones, after connection with Aircraft's WiFi RUKO-F11-XXXX, please wait for about 10-40 seconds, note if there is any option popping up about internet settings, make sure connected, otherwise, there is no picture after entering the APP.
- 2) If still without a WiFi connection, please turn on your phone's airplane mode and connect drone WiFi.
- 3) The phone WLAN compatible with this drone must support dual-band WiFi (2.4 and 5G).
4. Remote Controller Guidelines After fully charging, if it shows a low battery on App, please remember to pair the remote controller first with a drone, then connect WIFI and enter the APP to check. If there are other problems, please contact technical support.
5. Return within 30 meters

If one button returns, it lies back above its original take-off point directly. If return by low battery, it lies back due to current height, this can not be canceled. RUKO-F11-XXXX

CONTACT US FOR MORE TECH SUPPORT



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Documents / Resources

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