9105 QUADCOPRER WITH CAMERA

Instruction Manual

Please read caregully before use!

Technical Data

Size:	330x330x85mm
Weight:	105g
Recommended Age:	8 years & up
Field of use:	indoor and outdoor
Battery:	3.7v LiPo, 600mAh
Flight Time:	6-8 min
Remote Control Distance:	approx.80 meter
Battery Charging Time:	approx.60-90 minutes
Playing Time:	approx.6-10 minutes

Play Features:
Forward / Backward ; Up / Down; Left / Right Turn; Left Side / Right Side Move; Hover; Photo / Video; 360° Flip; High / Low Speed Control; Light Control

SAFETY ADVICE:

WARNING
NOTE THE FOLLOWING ADVICE:
TO AVOID DAMAGES AND SHORTCUTS
KEEP AWAY FROM CHILDREN UNDER 3 YEARS
DO NOT DISSAMBLE THE PRODUCT
INNER PARTS CAN BE REPAIRED BY THE USER.
PLEASE CONTACT YOUR SELLER IF YOU ARE NOT FAMILIAR WITH RC MODELS.

BATTERY WARNING - LI BATTERY

* Mishandling the battery may cause explosion, fire and smoke including damage to health or goods.It will also reduce battery performance.
* Never charge a damaged LiPo battery pack. Stop charging if the LiPo battery pack is getting deformed.
* Do not use the LiPo battery pack at a temperature between 0°C to 40°C. Avoid a temperature higher than 50°C when discharging.
* Do not short circuit - risk of explosion and fire!
* The battery must be charged with the charger provided.
* Do not overcharge the battery. Pull out the charger after the battery is fully charged and disconnect it.
* Pull out the plug immediately if the charger has smell, noise or smoke.
* In case of battery leak, avoid touching the liquid. Wash immediately with soap and waterin skin contact.
* Do not discard LiPo battery in the fire. Keep battery away from liquid, rain and water.
* Do not attempt to disassemble, drill or cut up the battery.
* Never attempt to clean the charger with dissolvent, industrial alcohol or other flammable solvent.
* Pull out the batteries before extended storage.

This product uses LiPo batteries. LiPo batteries are recyclable, and a valuable resource. To dispose of the battery, remove it and take it to a resource recovery facility.

PRODUCT CONTENT:

Please check the content before using the product!

1xQuadcopter

1x2.4GHz controller

1x USB-Charging cable

1.6Gyro
2.Motor(CCW, turn Counter-clockwise)
3.Motor(CW, turn Clockwise)
4.Propeller

1x3.7v Battery 600mAh 3.7V

1x Battery Charger
1.Red:Charge
2.Blue:full power

1x USB-Card Reader

4xPropeller Guards

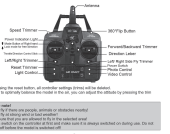
4xSpare rotors
(right and Left Clockwise rotation)

2xLanding gears

For using,you will additionally require 6 AA-batteries

Setup and functions

Controller



By pressing the reset buttons, all controller settings (trimms) will be deleted.
In order to optimally balance the model in the air, you can adjust the attitude by pressing the trim buttons.

Please note!
Do not fly near trees,are people, animals or obstacles nearby!
Do not fly on strong wind or bad weather!
Make sure that you are allowed to fly in the selected area!
Before you connect the battery to the model, make sure it is always switched on during use. Do not control off-button the model is switched off!

BATTERY INSTALLATION OF CONTROLLER

Read the manual carefully.
The Quadcopter is a RTH(Ready-to-Fly)model.
For activation,you additionally require the 1.5V AA batteries for the controller.

Assembly of the battery (open the cover of the back of transmitter and insert 6x1.5V AA batteries(not included.)

BATTERY CAUTIONS:
* Do not use rechargeable batteries.
* Do not attempt to recharge non-rechargeable batteries.
* Do not mix old and new batteries and always follow the toy & battery manufacturer's instructions.
* Use only the same or the equivalent type of battery as recommended.
* Do not short-circuit the supply terminal.
* Do not mix old & new batteries. Do not mix different kinds of batteries such as alkaline, standard (carbon-zinc) or rechargeable (nickel-cadium).
* Always remove exhausted or dead batteries from the product.
* Remove batteries from the product before extended storage.

Charging the battery

You can charge the LiPo-battery with the supplied USB cable.

Plug the charger to a USB port (USB-power adapter)
Connect the LiPo battery to the charger. Check the polarity and also that the plug is firmly connected.
The red LED will light up.
Charging takes around 60-90 minutes. Once the battery is fully charged, the LED will shut down.

Please only use the original battery, as batteries from another supplier might use another polarity!

Mounting the landing gears and propeller guards

Only a few steps are required to start flying.

Put the two landing gears in the provided holes on the bottom of the Quadcopter

To mount the propeller guards, please follow these steps:
* Turn out the screw from the bottom of each one
* Now place the rotor protector
* Turn in the screw again

Inserting the battery

Switch on the controller. The LED starts flashing. Pull down the gaz stick (left lever).

Once the battery is fully charged, insert it into the case on the bottom of the model.
Check the polarity before you connect the battery!
Switch on the model.
Always switch on the controller before you connect the battery!

The On/Off switch is located between the rear rotors.

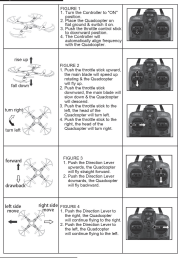
Beginner and Professional mode

In the beginner mode, the model flies at a reduced speed from the start. The model flies with more speed in Expert mode. This mode is also used aerobatically. When shooting for 3 additional modes, the model will fly faster and more agile.
By pressing the modes, press the left button on the top of controller while the model is already activated.

A beep- sound will confirm the setting. The different modes are being displayed by various sounds.

1 - Beginner
2 - Beginner plus
3 - Advanced
4 - Professional

Operation Method

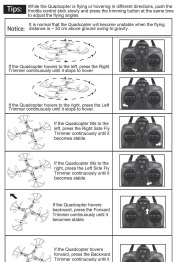


OPERATION GUIDES

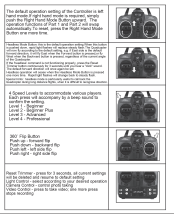
Tips:

While the Quadcopter is flying or hovering in different directions, push the Trimmer Button in opposite direction and press the trimming button at the same time to adjust the flying angles.

Notice: It is normal that the Quadcopter will become unstable when the flying distance is ~ 15 m/ above ground/ during its gravity.



OPERATION GUIDES



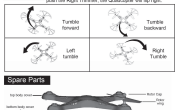
SURROUNDINGS BEFORE FLIGHT

1. INDOOR FLIGHT: please play in spacious room without any obstacle,animal or human being.
2. OUTDOOR FLIGHT: please play in warm, sunny and windless weather.

NOTE:
A. Do not play at extreme temperature: too hot or too cold weather will affect flight performance or damage the product.
B. Do not play under strong wind, it will affect flight control, the Quadcopter might get damaged or even disappear.

3D Turn over flight

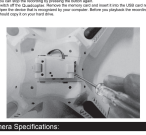
After mastering the basic flying patterns, you can advance to 3D flips. Make sure that you have sufficient space and flight height (minimum 3 meters). Press the Flip Button and push the Right Trimmer, the Quadcopter will flip right.



Spare Parts

CAMERA

Video and photo recording
1. Insert the micro SD card (max.32GB) into the micro SD slot. Make sure that it is properly engaged.
2. Press the camera button (photo or video) on the controller to start recording. In video mode, the red light on the Quadcopter will flash.
3. Switch off the Quadcopter. Remove the memory card and insert it into the USB card reader. Open the device that is recognized by your computer. Before you playback the recording, you should copy it on your hard drive.



Camera Specifications:

VGA:
a. Car chassis ABC for take photo and video.
b. Format of photo image: 1280 x 960, JPG
Video format: 640 x 480, 30 FPS, AVI
Video data will be stored in the TF card (SD card - 2GB supplied).
Card memory maximum 32GB
Card reader: USB card reader provided.
c. Camera: with FPC self-welding, 5MB pixel chip & mirrored illumination
Lux size: 6 x 6 MM, visual digit: 70°±5°
2MP:
a. 200W pixel photo image: 1280 x 720 / JPG / 30 FPS chip 1/4 inch HD color CMOS
Lens 4p 6P , image area: 5864(W) x 7392(H)
Video format: 1280 x 720 (1280x720@30fps(1.7v)
Temperature: -4 0 C - 50 C RH95% max , storage temperature: -40°C - 80°C RH95% max.

The power supply and the input of transmitter signal

a.Power on: turn on the power supply, the green light is on. When the red lights flash all 5 times, it will turn off, which means that it can't found the TF card/SD card or the card is full.
b.Standby: the green light is on.
c.Photo: when the green light is on, in low-level use video function and the red light will flash, while it is in low-level again, it will close the video function and store the data, then the red light will flash.
d.Photo: the control time of photo in low-level use shot photo function, the red light flash, it takes three photos and in storage, then back to stand by.
e.Input voltage : 3.7V~4.5V. Standby mA: <150mA. Working mA: <200~250mA

Troubleshooting

Error	Reason	Solution
The model does not react to commands	Controller batteries are not inserted correctly	Check the battery
	Batteries are empty	Replace the batteries
	Model battery is empty	Charge the battery
The model makes strange sounds	Blades/ Gears are damaged	Check these and replace them if needed
The controller has no connection to the model	Weak battery	Charge the battery
	Controller batteries are empty	Replace the batteries
	Before damaged	Replace the battery
	The model is out of range	
The model shows a weak performance	The motor is worn out	Check all motors and replace it if needed

SPECIAL NOTE:

1. The remote control distance may be affected if the Controller or Quadcopter has weak battery power.
2. The Quadcopter will be difficult to fly high in case of weak battery power.
3. If the Quadcopter is damaged or deformed, please fix it immediately. If any of the propellers is damaged, please replace it.
4. Please remove batteries from the Controller before extended storage.
5. Avoid violent crashing or rushing the Quadcopter during flight to avoid damages.

WARNING!
FCC ID: 2AEJP-S7N-2815-027

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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.
* Consult the dealer or an experienced radio/TV technician for help.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Rky Synergistic Industrial Ltd. hereby declares that this RC Quadcopter is in compliance with the essential requirements and Other relevant provisions of Directive 1999/5/EC.