

# R-SIYOU HD

## USER MANUAL



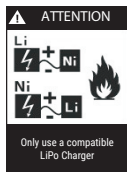
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## LI-PO BATTERY

- By owning, charging or using the LiPo battery, you assume all risks associated with the use of lithium batteries.
- Always keep out of reach of children.
- Never leave the battery unattended while charging.
- Never leave the battery charged for more than 1 hour.
- Use only the USB charger provided in the pack. Never use a Ni-Cd or Ni-Mh charger.
- Before charging the battery, check that it is not damaged. Check that the battery has not swollen or that the battery compartment is not punctured. If you notice any of these situations: **DO NOT CHARGE THE BATTERY!**
- A used battery must be removed from the unit and replaced.
- If you notice that the battery starts to swell during charging, disconnect the battery immediately and do not use it again. Continued use of an inflated or deteriorated battery may cause an explosion.
- Make sure that the output voltage of the charger matches the battery voltage. Do not charge at a higher current than recommended. Use only the charger provided in the pack.
- Disconnect the battery from the charger if it becomes too hot (Never exceed 49 ° C / 120 ° F) or swells. If the battery becomes hot, disconnect the charger immediately.
- Charge only on non-flammable surfaces. Never charge inside a vehicle!
- Do not expose the battery to any source of heat or high temperature.
- Never put the battery in contact with water or immerse it in any other liquid.
- Improper use of the battery may cause fire, explosion or other hazards.
- In case of fire caused by the battery, do not use water to extinguish the fire (sand is recommended).

- Do not carry unwrapped batteries in your pocket or bag, as the shock of the batteries against each other could cause a short circuit.
- Store the battery in a dry place at room temperature.



## WARNING / ATTENTION / WAARCHUWING

**EN** Please read the operation manual carefully before using the product  
The English User Manual can be downloaded on our website: [www.pnj.fr/en/user-manuals/](http://www.pnj.fr/en/user-manuals/)  
**WARNING** : LiPo batteies are dangerous, please follow the instructions to avoid injuries or damages.

**FR** Veuillez lire le "Manuel d'utilisation" entièrement et attentivement avant toute utilisation. Le manuel mis à jour est disponible sur notre site: [www.pnj.fr/modes-demploi/](http://www.pnj.fr/modes-demploi/)  
**ATTENTION**: Toutes les précautions d'utilisation concernant les batteries LiPo doivent être suivies rigoureusement. Une mauvaise manipulation de la batterie peut provoquer un incendie, une explosion, des blessures personnelles ou des dégâts matériels.

**NL** Lees de instructies in de bedieningshandleiding zorgvuldig door voordat u onze producten gebruikt  
De bedieningshandleiding kunt u downloaden vanaf onze website: [www.pnj.fr/en/user-manuals/](http://www.pnj.fr/en/user-manuals/)  
**WAARSCHUWING** : LiPo batterijen zijn gevaarlijk, het niet opvolgen van de gebruikshandeiking kan verwondingen en schaden veroorzaken.

## PRECAUTIONS FOR USE

When using your drone, be sure to observe the following precautions:

- Suitable indoor and outdoor use in very windstill conditions.
- Not suitable for persons under 14 years of age.
- Minors must pilot under the supervision of an adult.
- Caution: risk of ingestion of small parts.
- Never use the appliance near children or pets.
- Be sure to use this product in a safe and responsible manner to avoid personal injury and / or property damage.
- Make sure that your use is in accordance with the legal provisions of the country where you are located.
- Find out about restrictions on the use of Wi-Fi frequencies in your flight location.
- check the weather conditions before use.
- Do not fly in rain, fog, wind or snow.
- Avoid contact with sand, dust, water, liquid substances or heat, it could cause irreversible damage.
- Keep away from obstacles, people, animals, dwellings, vehicles, high voltage cables or trees.
- Keep clear of the propellers. They can cause material or physical damage.
- Not suitable for people with epilepsy.
- Avoid excessive flying (risk of eyestrain or physical fatigue).
- Observe the safety instructions in this manual.
- Use only the accessories supplied by the manufacturer.
- Before each flight, check that the batteries are fully charged.

## WARNING

The law requires you to use this drone in a sensible and responsible manner to avoid human or material damage. In the case of unauthorized use or for unlawful purposes, you will be held fully responsible for any damage caused. Be sure to respect the law, without infringing the privacy of others. PNJ assumes no liability for damage resulting directly or indirectly from the use of the product, any part of this product or this manual. PNJ cannot be held responsible for any accident, injury, death, loss or other claim of any nature whatsoever related to or resulting from the use of this product. All users must comply with the regulations of international organizations such as the International Civil Aviation Organization (ICAO) and the regulations of their own national airspace. To learn more about the rules in force in your country, visit the following sites:

ICAO - [www.icao.int](http://www.icao.int)

PNJ - [www.pnj.fr](http://www.pnj.fr)

## DOWNLOAD THE APP

Please scan the QR code below to access to our website and download the APP. You can also type "R-Siyou HD" in the Google Play Store or the Apple Store to download the APP.



PNJ Website



R-Siyou HD

## FLIGHT ENVIRONMENT

1. Outdoor flight (not recommended): Fly at medium temperature, in sunny and windstill conditions.
2. Indoor flight (recommended): Ideal for indoor flight, choose a spacious place without obstacles, people or animals.

Note:

- Do not fly in extreme temperatures (very cold or very hot) as this could affect the flight performance of the drone.
- Do not fly in windy weather, flight performance and control of the aircraft may be impaired due to the wind. This could cause damage to you or to the unit.

## INCLUDED IN THE PACK

**1 x R-Siyou HD**

**2 X 3.7V 500mAh battery**

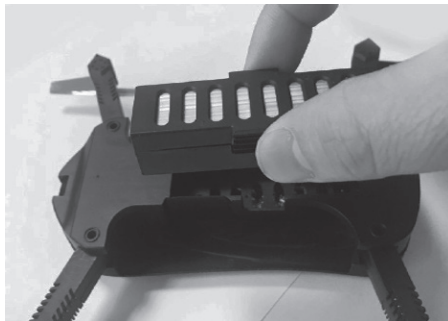
**4 x Replacement propeller**

**1 x Wrench for Propellers**

**1 x User manual**

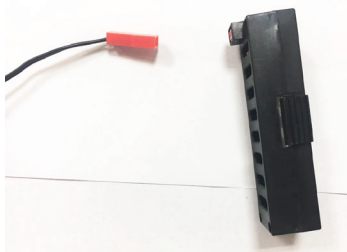
**1 x Transport and protection case**

## HOW TO INSTALL AND CHARGE BATTERY



### Battery installation

1. Hold the battery lock clips on the sides of the battery.
2. Remove the battery carefully.
3. When installing the battery, make sure the red female connector of the battery is connected to the male connector of the drone.
4. Replace the battery in the drone then push lightly until you hear the lock click.



*Chargement de la batterie en*

**CAUTION !**  
Do not leave the battery  
charging unattended.

### Charging the battery

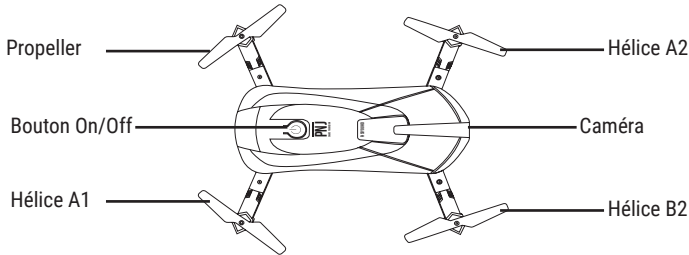
1. Connect the battery to the charger.
2. Connect the charger to a USB port or a USB adapter, the indicator light will come on to confirm that the load of the drone is in progress.
3. The battery indicator light will turn off once the battery is fully charged. You can remove the drums. Never leave the battery unattended for the duration of charging.

## LOADING PRECAUTIONS

1. Make sure the voltage required for USB charging corresponds to the power source used.
2. The charger plug may overheat if overloaded. In this case disconnect the battery immediately to avoid an accident.
3. Do not let the battery charge unattended.
4. Do not use any charger or charging cable other than the one supplied with the drone.
5. Wait 30 minutes after a flight for the battery to cool before recharging.
6. Do not leave the battery in a fire, in the sun or in environments that are too hot.
7. Do not short-circuit the battery.
8. Keep the battery away from metal parts or magnets.

## INSTALL THE PROPELLERS

The propellers are differentiated by the letters "A" and "B" and are diagonally opposite. Please refer to the figure below to install each propeller correctly. Use the tool included in the pack to facilitate disassembly of the propeller on the rotor. Be careful not to force too much by inserting the propeller onto the rotor. Propellers A1 and A2 rotate clockwise. Propellers B1 and B2 rotate counterclockwise. Be sure to install them correctly.



## FOLD THE DRONE

The arms of the drone must be folded in a precise order, to fold the drone:

1. Fold the front arms first (those close to the camera).
2. Fold down the rear arms last. To unfold the drone, please start with the back arms.

## APP INSTRUCTIONS

1. To download the App please scan the QR code (page 3 of this manual) or type "R-Siyou HD" in the bar Search the Google Play Store or the Apple Store.
2. Place the drone on a flat surface and press the On / Off button (2 seconds).
3. Activate Wifi on your smartphone and connect to the following Wifi network:

Wifi ID: R-SIYOUHD-XXXXXX

4. Once connected to the drone, please open the mobile app. From the main menu, you can access the Help menu, the Settings or the pilot / control interface of the drone by pressing "PLAY" (bottom right of your screen).

## DRONE CONTROL INTERFACE

1. Back
2. Take a picture
3. Save videos
4. Média
5. Speed: 30% / 60% / 100%
6. Maintenance of altitude (appearance of the buttons 17 to 20)
7. Gyroscopic control (by tilt)
8. Joysticks touch (start piloting mode)
9. Menu (displays buttons 10 to 14)
10. Inversion camera
11. VR Mode (FPV) (not available for this product)
12. Fashion CF
13. Gyroscopic calibration
14. Flight paths
15. Flip 360°
16. Voice control (English only)
17. Unlock / Start the engines
18. Emergency stop
19. Auto take-off button
20. Automatic landing button



## EMERGENCY STOP

When you notice that the drone is too close to people or obstacles during the flight, you can press the emergency stop button: "STOP" to shut down the engines. The drone will immediately stop flying and avoid crashing into people or obstacles. After activating the emergency stop, simply restart the drone normally to continue flying.

## SPEED SELECTOR

You can adjust the speed of the engines by using the button "Speeds" allowing you a quick grip of the drone. Once accustomed to the product in slow speed do not hesitate to modify the speed of the engines for more exciting flights.

## FLIGHT ROUTE

Press the "flight path" button, the right joystick will be deactivated. Use your index finger to draw the trajectory of the drone on your smartphone. The drone will follow the desired trajectory.

## HEADLESS MODE

Without the CF mode, you must constantly worry about the flight direction of the drone when flying or rotating it. Press the CF mode button to activate the mode, the directions will then be locked.

This mode makes it easy to control the drone without worrying about its direction of flight and its rotation.

Example: If you press the right joystick forward the drone will move away from you regardless of its direction of flight at the time of the command, if you press the right joystick to the rear the drone will approach you.

## VOICE CONTROL

It is possible to control the drone by voice. Press the "voice control" button to activate this feature.

Voice commands are only available in English:

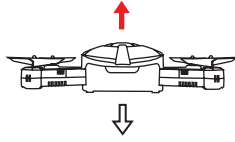
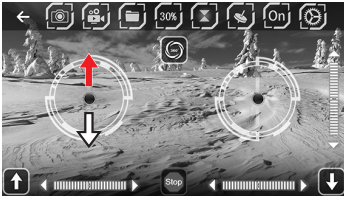
1. "Forward"
2. "Backward"
3. "Left side" (movement to the left)
4. "Right side" (movement to the right)

## START TO FLY

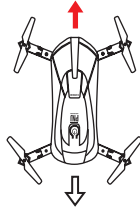
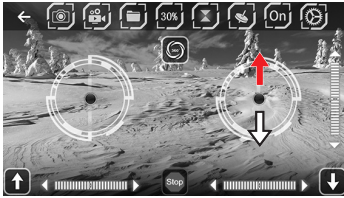
Press the On / Off button to turn on the drone. Make sure your phone is connected to the WIFI network of the drone and launch the application.

1. Press the "Touch Joysticks" button (# 8 on page 5) to bring up the touch joysticks.
2. Press the button: Altitude Hold "(# 6 on page 5).
3. You can now press the "unlock / start motors" button (# 17 on page 5) to start electric motors.
4. You can also take off using the button "auto takeoff" provided for this purpose, the drone will take off then automatically and fly at an altitude of about 1.2m.
5. Try Tilt Control by pressing button 7 (page 5 of this manual), the drone is tilting from your smartphone or tablet. Once used to the drone, do not hesitate to change the speed (# 5) for more sensations and fun of flying.

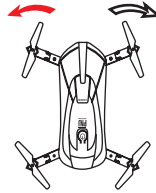
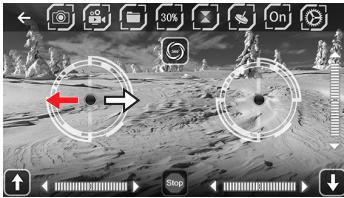
# JOYSTICK COMMANDS



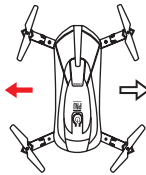
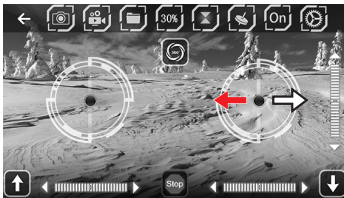
**LEFT JOYSTICK / Gas (elevation):**  
 - Push up to climb  
 - Push down to go down



**RIGHT JOYSTICK / Movement:**  
 - push up to move forward  
 - push down to move backwards

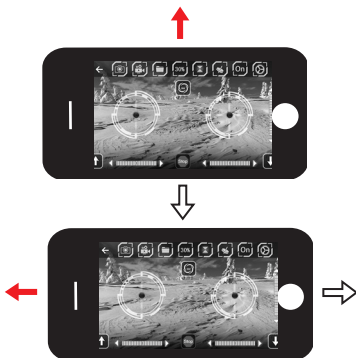


**LEFT JOYSTICK / Rotation:**  
 - Push left to rotate left  
 - Push right to rotate right

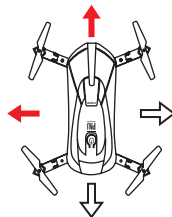


**RIGHT JOYSTICK / Sideways Movement:**  
 - Push left to move sideways to the left  
 - Push right to move sideways to the right

# TILT CONTROL



1. JOYSTICK LEFT / Gas  
 - head upwards to go up  
 - go down to go down

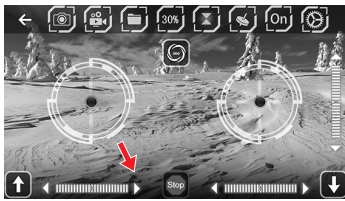
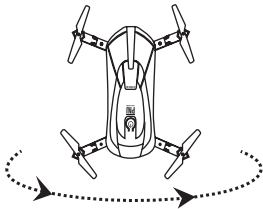


2. GYROSCOPIC CONTROL (Movement)  
 Longitudinal inclination of your mobile device:  
 - tilt forward to advance  
 - tilt backward to back up

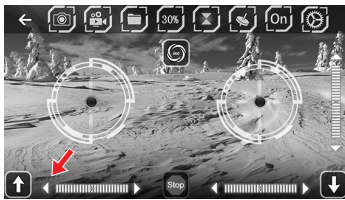
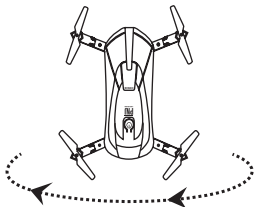
3. GYROSCOPIC CONTROL (Movement)  
 Sideways inclination of your smartphone:  
 - tilted left to go to the left  
 - tilt right to go to the right



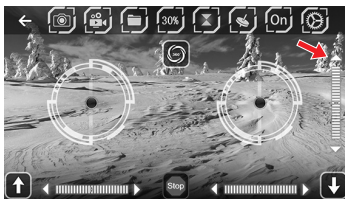
# FLIGHT ADJUSTMENTS



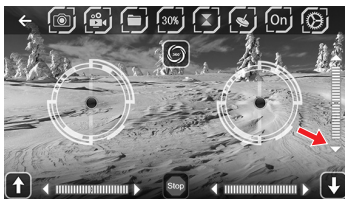
If the drone spins on itself to the left:  
Push the trim A to the right.



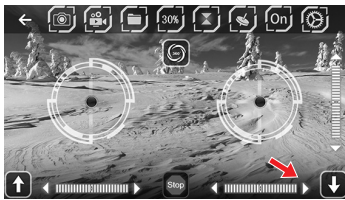
If the drone spins on itself to the right :  
Push the trim A to the left.



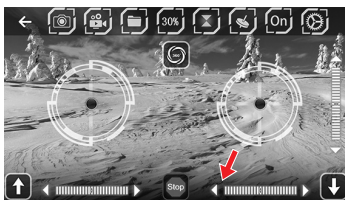
If the drone moves backward,  
Push the trim C forward.



If the drone moves forward.  
Push the trim B backward.



If the drone moves sideways to the left  
Push the trim B to the right.



If the drone moves sideways to the right.  
Push the trim B to the left.

## PHOTOS AND VIDEOS

Photos and videos are saved directly to your mobile device and the App. Access your photos and videos directly from your mobile device gallery or control interface by tapping the "Media" icon (# 4 on page 5 of this manual).

To save photos and videos, simply press button # 2 or # 3 on the control interface (see page 5 of this manual).



## MAINTENANCE

- The battery should be kept in a dry, ventilated place. The storage temperature is between 18 ° C and 25 ° C. Avoid excessive charging and discharging to prolong battery life. Be sure to charge the battery before storing it, if it is left unused for a long time.

- To avoid any problems, we strongly advise you to take the habit of also removing the battery of the drone when not in use.

- Keep your equipment in a dry place, away from water and heat. Do not place the drone on a wet surface or in the vicinity of liquid substances. This could cause irreversible damage.

- Maintenance can only be carried out by the After Sales Service of the warehouse or distributor. If you have a problem with your drone, please contact us directly. It is not recommended to change the engine or the motherboard on your own.

- Use only accessories specified by the manufacturer.

- Find all our products and accessories on our website [www.pnj.fr](http://www.pnj.fr)

## WARRANTY

This product is warranted for a period of 24 months from the date of original purchase by the consumer, except for certain wear parts, against manufacturing defects, upon presentation of proof of purchase (receipt with date, place of purchase, name of the product).

During the contractual warranty period, the defective product must be returned in its original packaging to the retailer's service center or to the [www.pnj.fr](http://www.pnj.fr) website, depending on the place of purchase. After inspection of the product, the after-sales service will repair or replace the defective part or product, to the exclusion of any other compensation, if the product has been used correctly.

The warranty does not cover:

- The hull of the drone, propellers, propeller shields, landing gears, buttons, throttle and radio-control antenna, damaged or deteriorated as a result of a fall or accident, voluntary or involuntary.
- The battery charger when connected to a wall power supply (voltage too high).
- Products that have undergone unauthorized alterations, modifications, customizations or other assembly.
- Damage resulting from accidents, normal wear and tear, contact with liquid (rain, water, etc.).
- Defects due to alteration or deterioration of the product caused by a fall, accidental shock or immersion, voluntary or involuntary.
- Defects due to abnormal use of the product, installation of spare parts not in accordance with instructions in this manual or at [www.pnj.fr](http://www.pnj.fr).
- Damage resulting from a repair performed by the user themselves or an unauthorized third party, excluding exchange of spare parts provided by PNJ.
- Defects caused by parts not supplied by PNJ, including a battery not approved by PNJ. All products found to be defective after analysis will be returned to the shipper at their expense.

The spare parts necessary for the use of the product are available for 12 months, from the date of first commercialization of the product. Wear parts: Battery: 6 months / ESC: 6 months / Engines: 6 months

## FRENCH LEGISLATION

While using the drone the safety of people and other aircraft is your responsibility. If you use your drone in France, as part of leisure activities, we remind you that it is essential to respect the following 10 principles to fly in accordance with the law:

1. I do not fly over people.
2. I respect the maximum flight heights.
3. I never lose my sight of the drone and I do not use it at night.
4. I do not fly my drone over public space in built-up areas.
5. I do not use my drone near aerodromes.
6. I do not fly over sensitive sites.
7. I respect the privacy of others.
8. I do not broadcast my footage without the agreement of the persons concerned and I do not use it commercially.
9. I verify under what conditions I am insured for the practice of this activity.
10. In case of doubt, I inquire.

Consult the guide on model aircraft on the website of the Civil Aviation Directorate General for more information on the conditions of use of recreational drones. For more information:

FR: <https://www.ecologique-solaire.gouv.fr/sites/default/files/R%C3%A8gles%20ofuse%20%20drone%20de%20loisir.pdf>

EN: <https://www.ecologique-solaire.gouv.fr/sites/default/files/Rules%20for%20the%20proper%20use%20of%20a%20recreational%20drone.pdf>

The usage of a drone not complying with the rules enacted to ensure safety is punishable by one year of imprisonment and a fine of 75,000 euros under Article L. 6232-4 of transport code.

## FLYING ASSOCIATION

Aeromodelling clubs are privileged places to use the flying miniature models. They are grouped together in national federations, where you can find more information on clubs near your home.

BELGIUM	FRANCE	HOLLAND
<b>AAM</b> Rue Montoyer, 1, boîte 1 1000 – Bruxelles	<b>FFAM</b> 108 rue Saint Maur 75011 PARIS Tél. 01 43 55 82 03	<b>KNVvL</b> Houttuinlaan 16A 3447 GM Woerden Tél. 0348-437060
<a href="http://www.aamodels.be/">http://www.aamodels.be/</a>	<a href="http://www.ffam.asso.fr/">http://www.ffam.asso.fr/</a>	<a href="http://www.knvvl.nl/">http://www.knvvl.nl/</a>

## RECYCLING



These symbols indicate that this product should not be disposed of with other household waste. Selective collection of electrical and electronic waste: Electrical products should not be disposed of with household products. According to the European Directive 2012/19 / EC for the disposal of electrical and electronic equipment and its execution in national law, used electrical products must be collected separately and arranged at collection points provided for this purpose. Consult local authorities or your dealer for recycling advice.

## DECLARATION OF CONFORMITY



SAS PNJ, 110, Esplanade du Général de Gaulle 92400 Courbevoie, France, declares under its sole responsibility that the product described in this manual complies with the requirements of the R & TTE Directive 1999/5 / EC / RED 2014/53 / EU / RoHS 2011/65 / EU and Toy Safety Directive 2009/48 / EC.

A copy of the Declaration of Conformity is available at the following address:  
[www.pnj.fr/certifications](http://www.pnj.fr/certifications)

Date: 24/08/2017

Christian Pouthier, directeur produits SAS PNJ

## TRADEMARK

All brands or product names are or may be trademarks of their respective owners. Pictures and specifications are not contractual. 1 year warranted. Made in PRC. Les marques citées sont des marques déposées par leur fabricant respectif. Photos et caractéristiques non contractuelles. Garantie : 1 an. Fabriqué en RPC. De vermelde merken zijn gedeponeerde merken door hun respectievelijke producent. Foto's en kenmerken niet contractueel. Geproduceerd in China. Garantie: 1 jaar. Die zitierten Marken sind durch die jeweiligen Hersteller eingetragene Marken. Fotos und technische Daten sind unverbindlich. Hergestellt in China. Garantie: 1 Jahr.

## **MODIFICATIONS**

The explanations contained in this User Manual are provided for information purposes only and may be subject to change without notice. SAS PNJ can not be held responsible directly or indirectly for any prejudice or loss of data resulting from an error or omission in this document. SAS PNJ reserves the right to modify the product and its operating instructions without any restriction or obligation to inform the user. Thus, the purchased product may differ somewhat from that described in this document. The latest version of the online User Guide overrule over this one. To obtain it, go to: [www.pnj.fr](http://www.pnj.fr)

## **NOTEBOOK**







# PNJ

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