

SNAPTAIN 

SP500

4-Axis GPS Drone

USER MANUAL

Please read this manual carefully before flying and keep it well for future reference.

14⁺
FOR AGES

CONTENTS

DISCLAIMER AND SAFETY GUIDELINES.....	01
MAINTENANCE AND CARE.....	03
PRODUCT OVERVIEW.....	04
FLIGHT PREPARATION.....	06
FLIGHT OPERATION GUIDE.....	10
REMOTE OPERATION GUIDE.....	10
Pair the Remote with the Drone.....	10
Flight Calibration.....	10
1. Compass Calibration.....	10
2. Gyro Calibration.....	11
GPS Satellites Searching.....	12
Flight Instructions.....	13
Take-off.....	13
Flight Directions.....	15
Return-to-Home (RTH).....	16
Smart RTH.....	16
Failsafe RTH.....	18
Low Battery RTH	19
Photo/Video.....	20

Headless Mode.....	20
Speed Switch.....	21
Attitude (ATTI) Mode.....	21
Landing.....	22
Emergency Stop.....	22
APP OPERATION GUIDE.....	23
App Downloading and Installation.....	23
App Launch.....	23
Function Overview of the App.....	25
Settings.....	26
Take-off.....	28
Point of Interest (POI).....	28
Follow Me.....	30
Waypoints.....	31
Photo/Video.....	32
Record Videos with the Preloaded Music.....	32
Landing.....	32
Smart RTH.....	32
LED INDICATORS DESCRIPTION.....	33
TROUBLESHOOTING.....	35
SPECIFICATIONS.....	37

» DISCLAIMER AND SAFETY GUIDELINES

Please read the disclaimer carefully before using this product. By using it, you hereby agree to this disclaimer and signify that you have read them fully.

1. Before flying, please make some practice with a simulator or seek for the instruction from a professional.
2. DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.



3. DO NOT use the drone in severe weather conditions, such as a rainy day or windy (wind speed is more than 5.5m/s), snow, hail, lightning, tornadoes, hurricanes, etc..



4. DO NOT fly the drone in the magnetic interference area, radio interference area, and government regulated no-fly zones.



5. The fast rotating motors and propellers are a potential hazard to cause serious damage and injury. A safe distance of 5m must be maintained from the drone at all times while it is operational. Fly with responsibility.



DISCLAIMER AND SAFETY GUIDELINES

6. Please maintain the line-of-sight of your drone at all times after it is powered up. Do not rely on the camera image to control your drone.



7. This product is not a toy and not recommended for users under age 14.



8. This product is not intended for professional aerial drone photography.



9. All parts must be kept out of the reach of children to avoid CHOKE HAZARD.



10. CAUTION: Dispose of the drone and batteries in accordance with local regulations. DO NOT treat it as household waste.



11. Be sure to observe all local regulations, obtain appropriate authorizations and understand risks. Please note it is solely your responsibility to comply with all flight regulations.

SNAPTAIN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to, those set forth in these Disclaimer and Safety Guidelines. SNAPTAIN reserves the right to update this user manual.



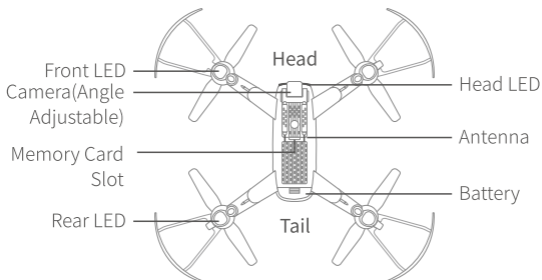
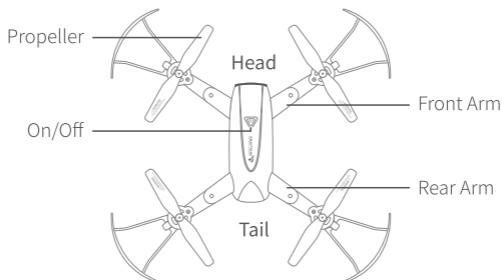
» MAINTENANCE AND CARE

1. Thoroughly check the drone after a crash or violent impact.
2. Do not use or store the battery near a fire.
3. Do not charge the battery if it is hot. Let it cool down first.
4. Do not charge the battery next to inflammable materials, such as bed, carpet, wood floors, etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging.
5. ONLY use the original cable provided. Unplug the charger once the battery is fully charged.
6. Remove the battery from the drone if it will not be used for a long time.
7. Store the drone and remote in a cool, dry place away from direct sunlight.
8. Be sure to clean off your drone with a dry cloth to prevent any moisture from getting onto the electronics.
9. Do not try to disassemble or repair the product by yourself. Please contact SNAPTAIN for more help.
10. Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.
11. Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.
12. Do not leave the battery in an extremely high-temperature environment that can result in an explosion or the leakage of flammable liquid or gas.
13. Do not expose the battery to the extremely low air pressure, as this may result in an explosion or the leakage of flammable liquid or gas.



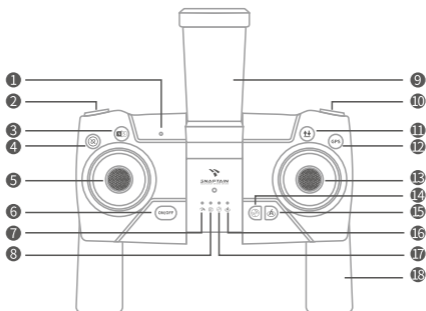
PRODUCT OVERVIEW

SP500 Drone



» PRODUCT OVERVIEW

Remote

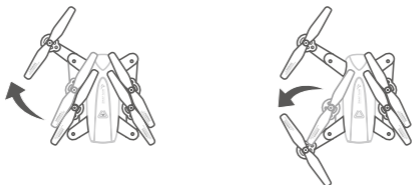


- | | |
|---------------------------------------|--|
| 1 Power Indicator | 10 Photo/Video(Long press) |
| 2 Speed Switch | 11 One Key Take-off/Landing,
Emergency Stop(Long press) |
| 3 Compass Calibration
(Long press) | 12 GPS Mode On/Off |
| 4 Gyro Calibration(Long press) | 13 Right Control Stick |
| 5 Left Control Stick | 14 Headless Mode |
| 6 On/Off | 15 Smart RTH |
| 7 Speed Indicator | 16 Smart RTH Indicator |
| 8 Photo/Video Indicator | 17 Headless Mode Indicator |
| 9 Phone Clamp | 18 Remote Handle |



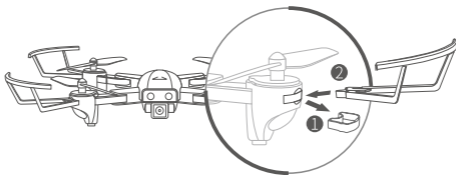
FLIGHT PREPARATION ◀◀

1. Unfold the front arms, then the rear arms.

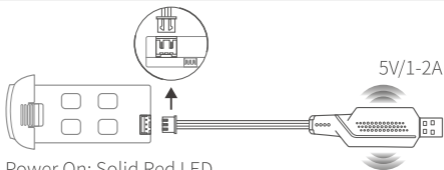


2. Install the propeller guards into the drone.

- ❶ Remove the small plastic chip from the rotor shell.
- ❷ Insert the propeller guard into the rotor shell.



3. Charge the battery.



Power On: Solid Red LED

Charging: Solid Red LED and Flashing Green LED

Fully Charged: Solid Red and Green LED

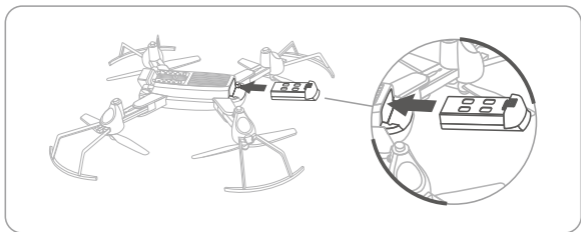


» FLIGHT PREPARATION

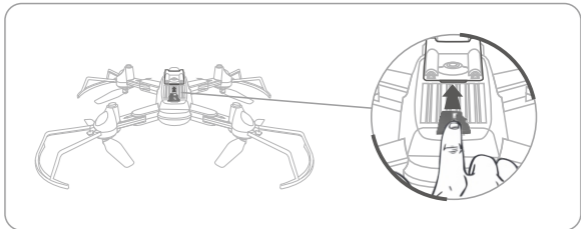
! Notes:

- * Please use the original battery and USB cable provided.
- * Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire.
- * It's not recommended to charge the battery from the USB port of PC.
- * Flight time may be reduced when flying in low-temperature environments.
- * To extend the battery's lifespan, recharge it at least once every three months if not using it for long periods of time.

4. Install the battery into the drone after it's fully charged.



5. Insert a memory card(not included) into the drone.



* FAT 32 format of the memory card is recommended.



FLIGHT PREPARATION ◀◀

6. Charge the remote.

Power On: Solid Green LED

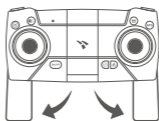
Charging: Solid Red LED and Green LED Off

Fully Charged: Solid Green LED and Red LED Off

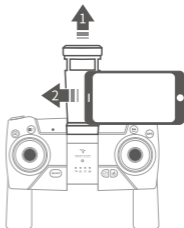
5V/0.5-2A



7. Unfold the Remote Handle.

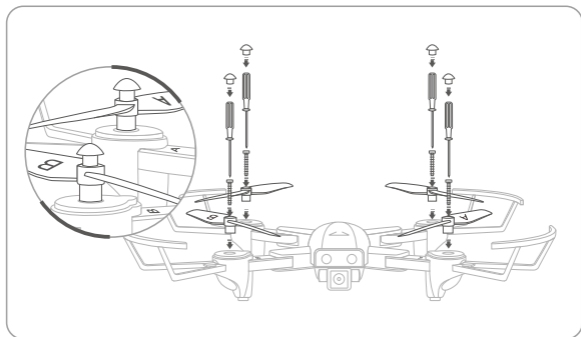


8. Unfold the Phone Clamp when using the mobile device to fly the drone.



» FLIGHT PREPARATION

9. Replace the propeller when it's needed. (Optional)



- 1 Remove the cap on the propeller.
- 2 Loosen the screw to remove the propeller.
- 3 Fit the spare propeller into the drone. Make sure the mark (A/B) on the propeller is the same as the mark on the arm of the drone.
- 4 Tighten the screw and install the cap.

» FLIGHT OPERATION GUIDE

i IMPORTANT:

- * Make sure your power on the drone first, then the remote in each flight.
- * Do repeat the pairing procedure each time when the drone or remote is restarted.
- * For all flight functions and modes, the operator and tail of the drone must be aligned.



FLIGHT OPERATION GUIDE

- * We recommend flying in the open air and within the control range for beginners.
- * Use the remote and App simultaneously to fly the drone for getting better flying experience.


REMOTE OPERATION GUIDE

PAIR THE REMOTE WITH THE DRONE


Step 1:

Turn on the drone, then place it on a flat surface with the head forward. LEDs on the arms of the drone flash slowly.

Step 2:


Short press  on remote to turn on it and there is one beep from the remote. Wait until the LEDs on the arms of the drone stop flashing quickly, which indicates that the remote has been paired with the drone automatically.

Tips:

1. Press and hold the  button for 3s on the remote to turn it off.
2. The drone and remote will be turned off automatically after 15 minutes of inactivity.

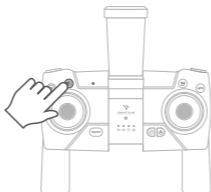
FLIGHT CALIBRATION

1. Compass Calibration

Press and hold the  button for 3s to start calibrating. After you hear a beep from the remote and the LEDs on the arms of the drone are off, the drone is preparing for the compass calibration.

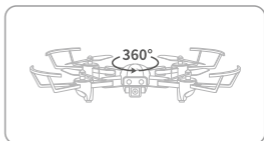


» FLIGHT OPERATION GUIDE



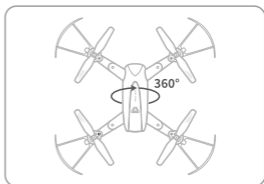
Step 1:

Hold the drone horizontally and rotate it until its LEDs on the front arms turn red, which indicates a successful horizontal calibration.



Step 2:


Hold the drone vertically and rotate it until its LEDs on the rear arms turn green, which indicates a successful vertical calibration.



! Notes:

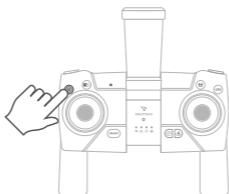
- 1 The LEDs on the arms of the drone may flash quickly after compass calibration. Place the drone on a flat surface and do the Gyro Calibration.
- 2 Make sure to keep away from ferromagnetic substances and other electronic equipment when calibrating.

2. Gyro Calibration

Put the drone on a flat surface. Press and hold the  button on the remote for 3s to start calibrating and you will hear a beep from the

FLIGHT OPERATION GUIDE

remote. **Gyro Calibration** is completed when the LEDs on the arms of the drone stop flashing quickly.



GPS SATELLITES SEARCHING

After finishing the compass calibration and gyro calibration, put the drone on a flat surface and go to **Snaptain Nova App** to check the **GPS Signal** (see the detailed information on page 65~67), then wait for minutes. When the GPS signal shows 3 bars or more and the LEDs on the head of the drone turn solid on, the drone has found enough GPS satellites and is ready for taking off.



The drone is set in **GPS mode** by default. In this mode, the drone can utilize the GPS module to locate itself and make a precise hovering flight.

GPS Mode works only when there is strong GPS signal (≥ 3 bars). Please fly the drone outdoors at your first try.

Note:

We strongly recommend **GPS Mode** for beginners.




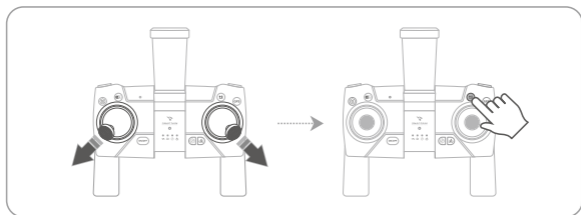
» FLIGHT OPERATION GUIDE

FLIGHT INSTRUCTIONS

Take-off

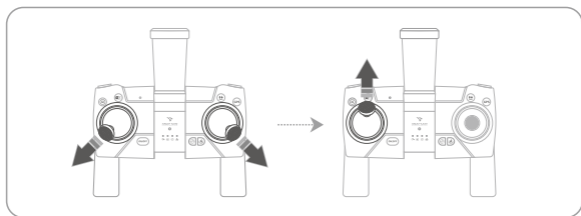
Option 1:

Move the **Left Control Stick** to lower left in 45° and the **Right Control Stick** to lower right in 45° at the same time until four rotor blades start rotating, then short press the  button to take off.





Option 2:

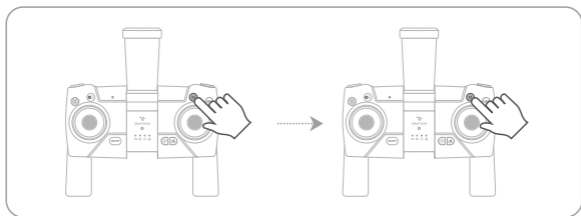
Move the **Left Control Stick** to lower left in 45° and the **Right Control Stick** to lower right in 45° at the same time until four rotor blades start rotating, then slowly push the **Left Control Stick** forward to take off.




FLIGHT OPERATION GUIDE ◀◀

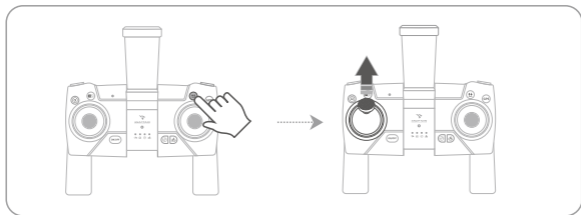
Option 3:


Press the  button and the four rotor blades start rotating, then press the  button again to take off.



Option 4:

Press the  button and the four rotor blades start rotating, then slowly push the **Left Control Stick** forward to take off.



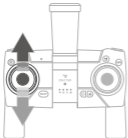
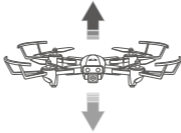
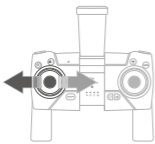
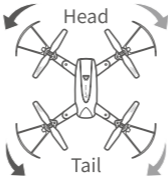
* When the App reminds you "The compass was seriously interfered" and four rotor blades can't rotate via the operation of the remote () in GPS Mode, please move to another place to fly the drone.



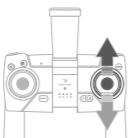
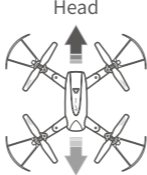
» FLIGHT OPERATION GUIDE

Flight Directions

Left Control Stick

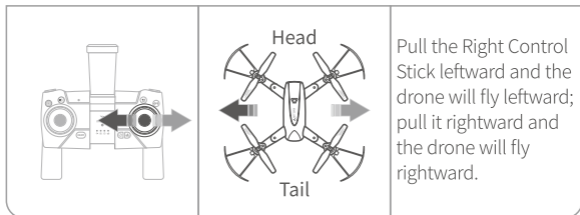
		<p>Push the Left Control Stick forward and the drone will ascend; pull it backward and the drone will descend.</p>
		<p>Pull the Left Control Stick leftward and the drone will rotate to the left; pull it rightward and the drone will rotate to the right.</p>

Right Control Stick

		<p>Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.</p>
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FLIGHT OPERATION GUIDE



Return-To-Home(RTH)

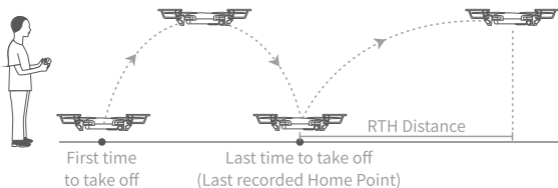
The **Return-to-Home(RTH)** function brings the drone back to the last recorded **Home Point** where the drone took off last time if the GPS signal shows 3 bars or more, and the compass is functioning normally. Otherwise, this function can not be performed.

Smart RTH

Press  on the remote to initiate **Smart RTH**.

* RTH Distance:

The distance between the drone and the last recorded **Home Point** where the drone took off last time.

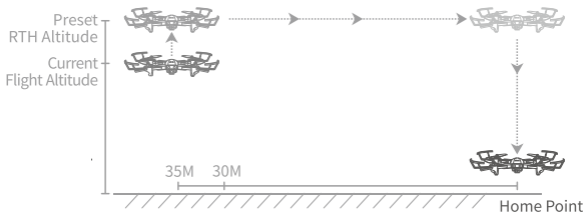


1. RTH Distance >30M

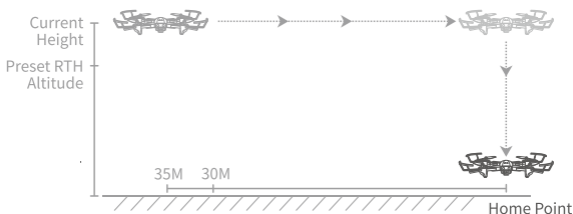
If the current flight altitude is lower than the preset RTH altitude, the drone will first ascend to the preset RTH altitude, then fly horizontally to above Home Point and descend to land.



» FLIGHT OPERATION GUIDE

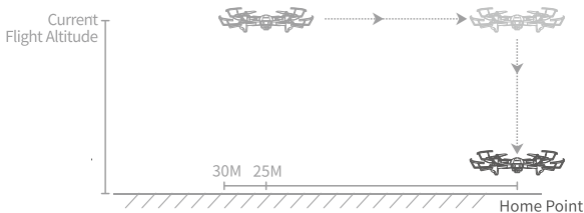


If the current flight altitude is higher than the preset RTH altitude, the drone will directly fly back to above Home Point at its current flight altitude and land.



2. RTH Distance $\leq 30\text{M}$

The drone will directly fly to above Home Point at its current flight altitude and descend to land.



FLIGHT OPERATION GUIDE

! Notes:

- 1 The preset RTH Altitude is 25m by default. You can reset it in the **Settings** of **Snaptain Nova App** (see on page 68). However, the preset RTH Altitude can not be higher than the Flight Altitude when resetting.
- 2 During the path of Smart RTH, the **Smart RTH Indicator** on the remote will flash continuously.

Failsafe RTH

Failsafe RTH will be automatically activated when the remote disconnects with the drone for more than 4s. The drone will fly back to the last recorded **Home Point** under the control of the flight system itself.

If the connection between the remote and drone is re-established, the pilot can regain control of the drone to cancel the RTH process. If no activity is performed by the pilot, the RTH process will continue.

! Notes:



- 1 The drone cannot avoid obstacles during the flight path of **Failsafe RTH**.
- 2 When the remote disconnects with the drone for more than 4s, and the GPS function is not available, the drone will slowly descend from the current altitude till landing.
- 3 During the flight path of **Failsafe RTH**, the LEDs of the drone will flash quickly.



» FLIGHT OPERATION GUIDE

Low Battery RTH

1. The **Low Battery RTH** will be triggered when the drone battery is low and the RTH Distance is over 30m.



	
<p>Drone Battery Status shows 2 Yellow bars on the App.</p>	<p>The LEDs on the drone flash slowly.</p>

After flying back and when the RTH distance is less than 20m, RTH will be canceled automatically. The drone can not fly beyond 30m any more no matter how the pilot operates .

! Note:

After canceling RTH, the Low Battery RTH will not be triggered again unless the battery is critical low.

2. The **Critical Low Battery RTH** will be triggered when the drone battery is critical low.

	
<p>Drone Battery Status shows 1 Red bar on the App.</p>	<p>The LEDs on the drone flash quickly.</p>



FLIGHT OPERATION GUIDE ◀


The drone will automatically fly back at its current height and land to the last recorded Home Point if the RTH distance is over 15m. The drone will descend and land directly if the RTH distance is within 15m. After landing, the drone can't take off any more unless you charge or replace the battery.

! Note:


Please land the drone timely, then charge or replace the battery when the battery is low.

Photo/Video

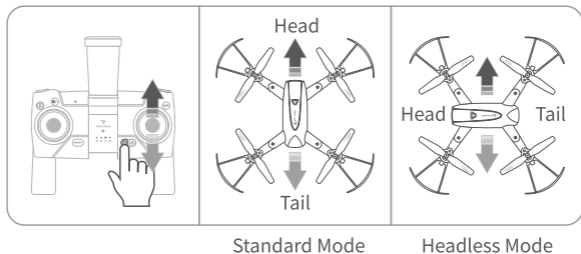
Short press  to take a photo.

Press and hold  for 2s to start recording a video; press and hold it again for 2s to end and save the video to your mobile device and memory card if you are using **Snaptain Nova App**.

Headless Mode



Short press the  button to activate **Headless Mode**. In this mode, the drone will fly following the direction of the **Right Control Stick** regardless of the position of your drone's head or the tail. The **Headless Mode Indicator** will flash quickly.

Press the same button again to cancel this mode.



» FLIGHT OPERATION GUIDE

Speed Switch

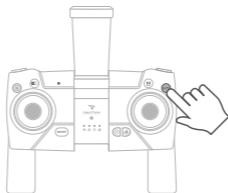
The speed of the drone is set as **LOW** speed by default. Press the  button once for **HIGH** speed and there are two beeps from the remote. Press the  button again to get back to low speed and there is one beep from the remote.



Attitude (ATTI) Mode

Option 1:

Short press the  button to activate **ATTI Mode**, and there is a long beep from the remote.



Option 2:

ATTI Mode is automatically on when there are not enough satellites connected to put the drone in **GPS mode** during the outdoor flight.

In **ATTI mode**, the drone will maintain a specific flight altitude, but it will drift around in the wind.

! Note:

We recommend **ATTI Mode** only when the pilot has proficient skills in operating the drone.

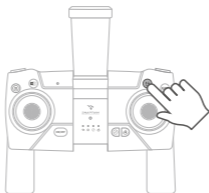


FLIGHT OPERATION GUIDE

Landing

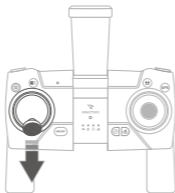
Option 1:

Short press the  button to land the drone.



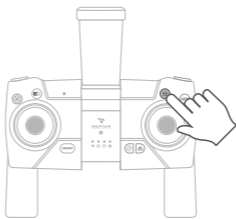
Option 2:

Slowly pull the **Left Control Stick** backward to land the drone.



Emergency Stop

Press and hold  for 4s, the drone will stop in the air and fall.



» FLIGHT OPERATION GUIDE

! Note:

It's NOT recommended to use this function during the normal flight, which may result in serious damage to your drone.

APP OPERATION GUIDE

App Downloading and Installation

Download and install **Snaptain Nova** into your mobile device from **App Store™/Google Play™** or by scanning the QR code below.



For Android 4.6 or later



For iOS 8.0 or later

Note:

Google Play™ is a trademark of Google Inc., and App Store™ is a trademark of App Inc.

App Launch

Step 1:

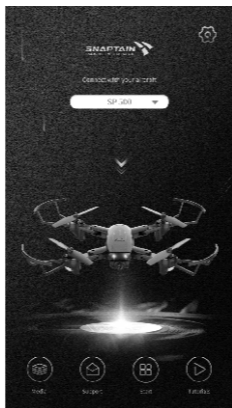
Go to the Wifi setting of your mobile device and connect to the Wifi **SNAPTAIN-SP500-xxxxxx**.

Step 2:

Open **Snaptain Nova** App, and tap **Start** to enter the App.



FLIGHT OPERATION GUIDE ◀◀



! Notes:

- 1 If the SNAPTAIN-SP500-xxxxxx Wifi is not listed in your Wifi list or the App does not show the preview image, please restart the drone and remote, then repeat the pairing and calibration procedures **following the sections on page 52~54.**
- 2 Make sure the SNAPTAIN-SP500-xxxxxx Wifi is only connected to one mobile device.
- 3 If you can't see the live map, please disconnect to the drone's Wifi, then turn on cellular data and location service on your mobile device to preload the map. Next, turn off cellular data and reconnect to the drone's Wifi, then launch the App.
- 4 The drone's Wifi has no Internet access. It's recommended that you turn off the cellular data when connecting to the drone's Wifi. Otherwise, your mobile device may automatically switch to cellular data and disconnect with the drone's Wifi.



» FLIGHT OPERATION GUIDE

Function Overview of the App



- | | |
|----------------------------|--------------------------|
| 1 Back | 6 Flip Image |
| 2 Media Gallery | 7 Flight Records |
| 3 VR Mode | 8 Settings |
| 4 More | 9 GPS Signal |
| 5 Waypoints | 10 Wifi Signal |
| A Smart RTH | I Drone Battery Status |
| B Point of Interest | J Remote Battery Status |
| C Follow Me | K Live Map |
| D One Key Take-off/Landing | L Unlock |
| E Gestures for Photo/Video | M D: Flight Distance |
| F Photo | H: Flight Altitude |
| G Video | DS: Flight Speed |
| H Music | VS: Ascent/Descent Speed |



FLIGHT OPERATION GUIDE

Tip:

Tap  to hide or show icons on the screen.

Media Gallery:

Tap to check the photos and videos saved.

VR Mode:

Tap  to activate VR mode(VR device is not supplied).

GPS Signal:

Check the signal of the GPS satellites. When it shows 3 bars, the GPS Mode of the drone is available.


Flip Image:

Tap  to flip the image 180°.

Flight Records:

Check all kinds of flight records here.

Wifi Signal:

Check the Wifi signal strength of the drone to avoid losing control. When it shows low signal strength (), please fly the drone back immediately.

Drone Battery Status:

Check the battery status of the drone.

Remote Battery Status:

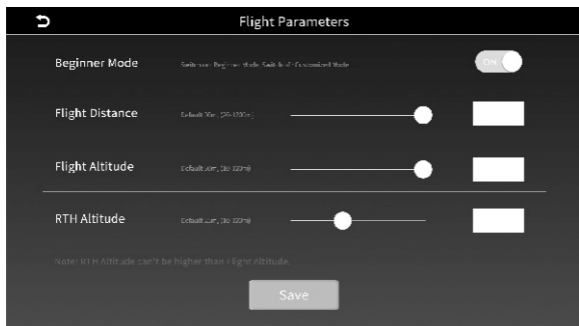
Check the battery status of the remote.

Settings

Tap  to start setting up your drone.



» FLIGHT OPERATION GUIDE



You can reset the **Flight Distance**, **Flight Altitude** and **RTH Altitude** as needed.

Beginner Mode:

It's **ON** by default and all the flight parameters are preset. We recommend this mode for beginners.

Flight Distance:

Tap to reset the maximum flight distance between the drone and last recorded Home Point.

Flight Altitude:

Tap to reset the maximum flight altitude of the drone.

RTH Altitude:

Tap to reset the RTH altitude when returning home.

! Note:

RTH Altitude can't be higher than the Flight Altitude.





FLIGHT OPERATION GUIDE

IMPORTANT:

- 1 Before flying, please make sure the GPS Signal shows 3 bars or more.
- 2 The maximum flight distance (the maximum distance between the drone and the last recorded Home Point) is set to 30m by default and you can reset it in Settings of App.

Take-off

Step 1:


Tap  >  to unlock the drone and four rotor blades start rotating.

Step 2:

Tap , then tap Yes on the pop-up window to take off.

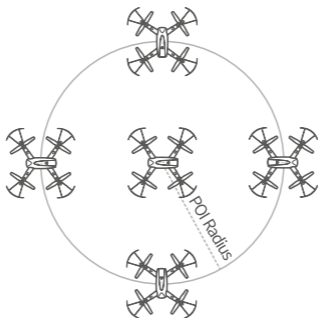
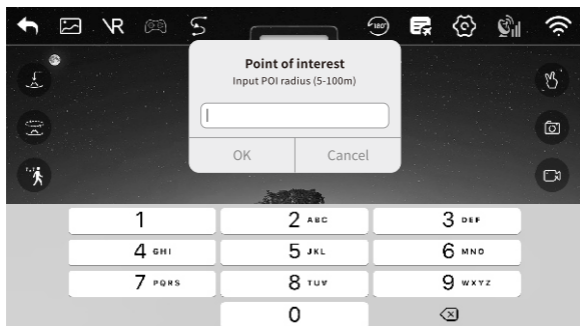



Point of Interest (POI)

Tap  to activate POI during the flight, enter the POI Radius and tap OK to start. The drone will circle around the current point of drone while keeping that point centered in the frame.



FLIGHT OPERATION GUIDE




Tap  again during the flight to cancel this mode and regain control of the drone.

! Note:


This function can't be activated when the battery of drone is low (the Drone Battery Status shows 2 Yellow bars and the LEDs of the drone flash slowly).

FLIGHT OPERATION GUIDE

Follow Me

Tap  to enable **Follow Me** function, then tap **Yes** on the pop-up window to start. When **Follow Me** is enabled during flight, the drone's camera lens will keep pointing at your mobile device and maintain a constant distance from it.



Tap  again during the flight to cancel this mode and regain control of the drone.

! Notes:

- 1 The function of **Follow me** may have deviation due to the **GPS Signal**. Please maintain a safe distance between you and the drone when enabling this function.
- 2 Activate this function only when there is no obstacle around you in case of unexpected accidents.
- 3 This function can't be activated when the battery of drone is low (the Drone Battery Status shows 2 Yellow bars and the LEDs of the drone flash slowly).






» FLIGHT OPERATION GUIDE

Waypoints

Waypoints function allows you to define an exact flying route on a map during the flight.

Step 1:

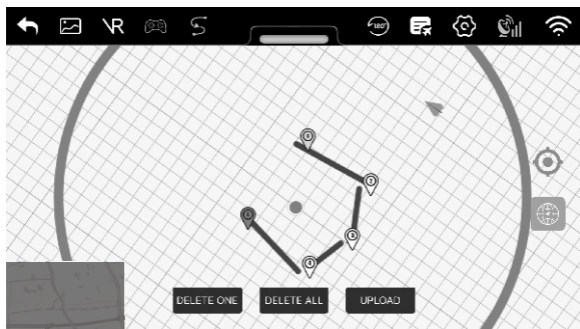
Tap , then tap some desired waypoints on the map. Tap  or  to delete waypoint(s) if you want to reset.


Step 2:

Tap  to upload waypoint(s).

Step 3:

Tap Yes on the pop-up window to start.



Tap  again during the flight to cancel this mode and regain control of the drone.

Note:

This function can't be activated when the battery of drone is low (the Drone Battery Status shows 2 Yellow bars and the LEDs of the drone flash slowly).




FLIGHT OPERATION GUIDE

Photo/Video

Tap  to take one photo.


Tap  to start recording, tap  again to end and save the video to your memory card and mobile device.

Gestures for Photo/Video:

Tap  to activate this function. Within 3m under light-filled circumstances, please make a  gesture with your right hand for taking a photo, a  gesture for starting and ending the recording.

Record Videos with the Preloaded Music


Step 1:

Tap  > Click to select music, and music provided will be displayed on the screen.

Step 2:

Click the background music you prefer and confirm your choice, then tap **OK** on the pop-up window to start recording videos. Videos will be saved to the **Media Gallery** after you finish recording videos.


Step 3:

Share your video with your friends from **Media Gallery** by tapping  on the upper right corner of the selected video.

Landing

Tap  to land the drone during the flight.

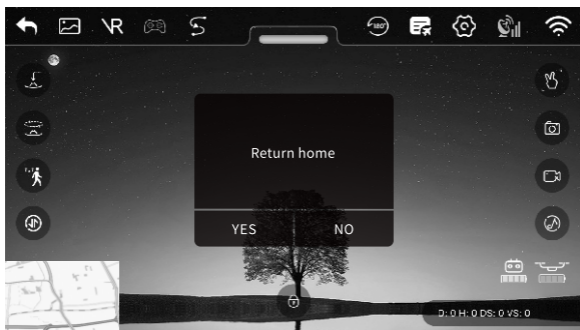
Smart RTH



Tap  to activate **Smart RTH** during the flight and have the drone return to the last recorded **Home Point**. Tap **YES** on the pop-up



» FLIGHT OPERATION GUIDE

window to start RTH; tap NO to exit this window.



During the path of RTH, tap  again or press the  button on the remote to cancel RTH and regain control.

» LED INDICATORS DESCRIPTION

LEDs on the Head of the Drone

LEDs Status	Drone Status
Off	GPS Mode OFF
Flash	Searching Satellites
Solid on	Satellites Searched, GPS Mode available

LED INDICATORS DESCRIPTION

Function	Front LEDs	Rear LEDs
Color	Red	Green
Power On	Flash slowly	
Pairing	Flash quickly	
Compass Calibration	Start Calibrating: off Horizontal Calibration Completed: light up Vertical Calibration Completed: light up	Start Calibrating: off Horizontal Calibration Completed: off Vertical Calibration Completed: light up
Gyro Calibration	Start Calibrating: Flash quickly for 4s Calibrated: Pulse	
Failsafe RTH	Flash slowly	
Low Battery Status	Low Battery: Flash slowly Critical Low Battery: Flash quickly	



» TROUBLESHOOTING

Q1. The motors of the drone don't spin.

- * Make sure that you've turned on the drone and the remote.
- * Make sure that the drone battery and the remote battery have enough power.
- * Make sure that the remote has been paired with the drone successfully.

Q2. The LEDs of the drone flash abnormally.

- * Make sure that the drone battery has enough power.
- * Try to calibrate the compass.
- * Try to calibrate the gyro.

Q3. The drone's propellers start rotating after I unlock the motor, but the drone fails to take off.

- * Make sure that the drone battery has enough power.
- * Push the Left Control Stick forward to take off after unlocking the motor.
- * Make sure that the propellers (A/B) are installed correctly.
- * Check if the rotating speed of each motor is the same. If not, the motor is broken, please contact us directly.

Q4. The drone tilts to one side after taking off.

- * Calibrate the gyro.
- * Make sure that the propellers (A/B) are installed correctly.
- * Check if the motor is stuck by any small object or if there is a burning smell from the motor. If yes, please remove the small object or contact us directly.
- * Check if the wheel of the motor is working well. If not, please contact us directly.



TROUBLESHOOTING <<

Q5. The drone's propeller fails to rotate.

- * Check if the propeller is over tightened.
- * Check if the motor is stuck by any small object or if there is a burning smell from the motor. If yes, please remove the small object or contact us directly.
- * Check if the wheel of the motor is working well. If not, please contact us directly.

Q6. The drone drifts after taking off.

- * Make sure that **GPS Mode** is **ON** and the GPS signal is strong.
- * Please land the drone and calibrate the gyro.
- * Please land the drone and calibrate the compass.

Q7. The drone is unresponsive or insensitive to the control of the remote.

- * Make sure that the drone flies within control range.
- * Switch the speed of the drone to medium or high speed.
- * Make sure that the remote battery has enough power.

Q8. Can't see the live image on App.

- * Make sure that the drone has enough power.
- * Make sure that your mobile device has connected to the drone's wifi.
- * Please go to your mobile device's setting to turn off your cellular data, or disable the function that allows your phone to automatically disconnect to wifi with no Internet access.
- * Make sure that the camera isn't blocked.
- * Make sure that the drone flies within FPV range.
- * Make sure that you've selected **SP500** when launching the App.
- * Please try to use another phone to connect to the drone's wifi.



» SPECIFICATIONS

Drone

Operating Temperature	32°F to 104°F(0°C to 40°C)
Frequency Range	Model SP500: 5150-5250 MHz
Transmit Power (EIRP)	Model SP500: 5GHz<18dBm

Remote

Frequency Range	Model SP500: 2404-2480 MHz
Transmit Power (EIRP)	Model SP500: 2.4GHz<14dBm

USB Cable

	For Remote	For Drone Battery
Input	5V $\overline{=}$ 0.5-2A	5V $\overline{=}$ 1-2A
Output	3.7V $\overline{=}$ 600mA	7.4V $\overline{=}$ 800mA
Rated Power	2.22W	5.92W



FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.

For Remote:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

For R/C QUADCOPTER:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Warning:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



For R/C QUADCOPTER:

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Operation of this device in the band 5150-5250 MHz is restricted to indoor use only.

L'appareil est conforme aux directives d'exposition aux RF, les utilisateurs peuvent obtenir des informations canadiennes sur l'exposition aux RF et la conformité. La distance minimale du corps pour utiliser l'appareil est de 20 cm.

Le fonctionnement de cet appareil dans la bande 5150-5250 MHz est limité à une utilisation en intérieur uniquement.

For Remote:

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance.

Le présent appareil est conforme Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir les informations correspondantes.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

Caution

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

 The symbol indicates DC voltage

 RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

This product can be used across EU member states.

The device is low power device, it can meet the requirement of the RF exposure.

EU Compliance Statement: Shenzhen VanTop Technology & Innovation Co., Ltd. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of the Directive 2014/53/EU.

A copy of the EU Declaration of Conformity is available online at <https://snaptain.com/pages/eu-declaration-of-conformity>.



AT	BE	CY	CZ	DK	EE	FI
FR	DE	EL	HU	IE	IT	LV
LT	LU	MT	NL	PL	PT	SK
SI	ES	SE	UK	BG	RO	HR

In all EU member states, operation of 5150-5350 MHz is restricted to indoor use only.



BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY

Manufacturer

Shenzhen VanTop Technology & Innovation Co., Ltd.

Manufacturer address:

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Nanshan District, Shenzhen, China

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