SNAPTAIN
VISION BEYOND IMAGINATION

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SP600
4-AXIS DRONE

INSTRUCTIONS
V3.01

14+

DISCLAIMER AND SAFETY GUIDELINES

ENGLISH

1. DO NOT look directly into the drone light.
2. DO NOT treat the product as household waste.
3. DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.
4. DO NOT use the drone in severe weather conditions. These include wind, snow, rain, smog, hail, lightning, tornadoes or hurricanes.
5. Stay away from the rotating propellers and motors to avoid some tiny objects (e.g. hair) to get into them.
6. This product is not a toy and is not recommended for users under age 14.
7. Please maintain line of sight of your drone at all times. Please do not rely on first person view camera to control your drone.
8. This drone does not come with a GPS module. Please fly the drone within the control range.
9. This product is not applicable to the professional aerial drone photography.
10. 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 Safety Guidelines.SNAPTAINreserves the right to update this user manual.

This device complies with parts 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.

MAINTENANCE AND CARE

1. Thoroughly check the drone after crash or violent impact.
2. Do not charge battery before it cools down.
3. Remove the batteries if the products will not be in use for a long time.
4. Do not over charge the battery. Unplug the charger once it's fully charged.
5. Store the drone and remote in a cool, dry place away from direct sunlight.
6. Avoid direct contact of the camera with water or other liquids. Wipe dry with a soft absorbent cloth if it gets wet.
7. Do not charge the battery next to inflammables, such as carpet, timber floor etc., or on the surface of electro-conductive objects. Please always keep an eye on the battery while charging.

PACKING LIST

SP600 Drone | Remote (batteries not included) | Spare Rotor Blades A x2, B x2

Landing Skids x2 | Phone Clamp | Propeller protectors x4

Li-Ion Battery x2 | USB Charger | Instructions

Screw Set/8Pcs | Magnetic Screwdriver

PRODUCT OVERVIEW

Head, ON/OFF, Camera, Battery, Tail
Head, Motor, Rotor Blade, Tail

Speed Switch/Emergency Stop (Long Press)
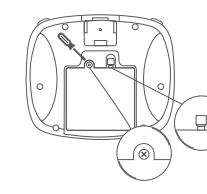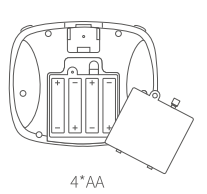Left Control Stick
Photo/Video (Long Press) One Key Take-off/Landing
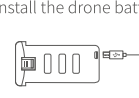One Key Return
Lanyard Hole
360° Flip
Right Control Stick
LED
Forward Trim
Rightward Trim
Backward Trim
Leftward Trim
ON/OFF
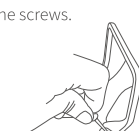
FLIGHT PREPARATION

1. Install the remote batteries.

4*AA (batteries not included)
* Make sure the batteries have enough power.

2. Install the landing skids into the bottom of the drone, then tighten the screws.

3. Install the propeller protectors into the drone, then tighten the screws.

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

Charging: LED Off
Fully Charged: Red LED
5V 2A/1A

Tip:
1. For your safety, please use the original battery and USB charger.
2. Flight time may be reduced when flying in cold weather.
3. Free the batter of any sharp objects that could puncture onto the battery to avoid risks of explosion and fire.
4. There is continuous beeping sound from the remote when the battery of the drone is low.

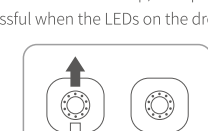---

FLIGHT OPERATION GUIDE

Fly the Drone with the Remote
Note:
*Make sure you power on the drone first, then the remote in each flight;
*Do repeat the linking 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;
*Fly the drone in the open air after you have a plenty of experience.
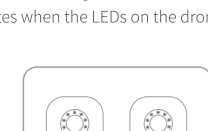
Link the Remote with the Drone
Step 1:
Turn on the drone, then the remote. LEDs on the drone start to flash, then put the drone on a flat surface.
Step 2:
Push the Left Control Stick forward to the top, then pull it backward till the bottom. Linking is successful when the LEDs on the drone are solid on.

Flight Calibration
Move both control sticks to lower right in 45° and hold for 2-3 sec after the linking. The calibration completes when the LEDs on the drone turn to solid on from quick flash.

FLIGHT OPERATION GUIDE

Instructions of the Remote
Left Control Stick

Push the Left Control Stick forward and the drone will ascend; pull it backward and the drone will descend.

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.

Right Control Stick

Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.

Pull the Right Control Stick leftward and the drone will fly leftward; pull it rightward and the drone will fly rightward.

FLIGHT OPERATION GUIDE

Flight Trimming

If the drone drifts forward or backward when hovering, slightly press the Backward Trim button or the Forward Trim button to adjust.

If the drone drifts leftward or rightward when hovering, slightly press the Rightward Trim button or the Left Trim button to adjust.

Take-off
Option 1: 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.

Landing
Option 1: Press the button to land during the flight;
Option 2: Pull the Left Control Stick backward to the bottom until the drone lands and the rotor blades stop rotating.

FLIGHT OPERATION GUIDE

360° Flip
Fly the drone to a height over 2 meters, press the 360° Flip button and move the Right Control Stick to flip the drone 360°accordingly.

One Key Return
Press the button, the drone will fly toward its back following a path that parallels with its original take-off path. Press the button again to cancel the mode.

Headless Mode
Press the button to activate the function. 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. Press the same button to exit this mode.

Forward, Backward — Standard Mode
Forward, Head, Tail, Backward — Headless Mode

Speed Switch
The drone is set to low speed by default. Press the Speed Switch button once for medium speed, press again for high speed, a third press will get back to low speed.

FLIGHT OPERATION GUIDE

Altitude Hold/Hover
This is one of the default settings in the drone. When you release the Left Control Stick after the ascending/descending action, the drone will hover at the current flight height. For a stable flight, press the trim buttons to adjust accordingly.

Fly the Drone with the App
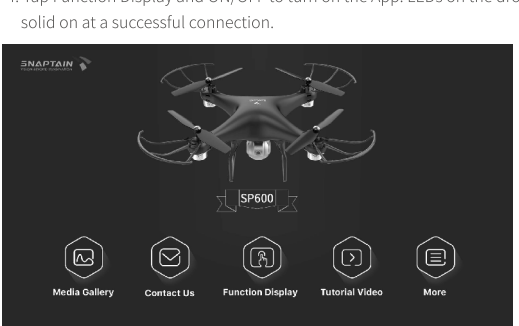### App Download and Installation
Download and install Snaptain Era into your mobile device from App store/Google Play or by scanning the QR code below.

Android | iOS

Link the App with the Drone
1. Power on the drone and the LEDs will flash;
2. Go to the Wi-Fi setting of your mobile device and connect to the Wi-Fi Snaptain-SP600-xxxxxx;
3. Open Snaptain Era App and slide to the interface of SP600;
4. Tap Function Display and ON/OFF to turn on the App. LEDs on the drone turn solid on at a successful connection.
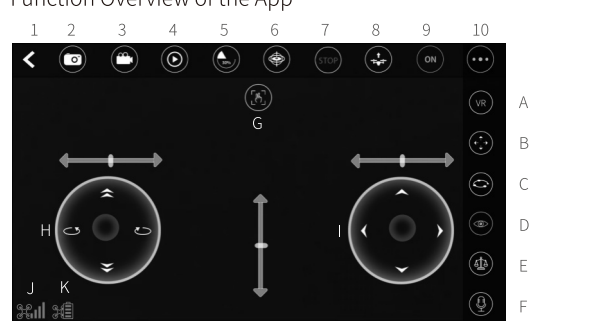
SP600
Media Gallery | Contact Us | Function Display | Tutorial Video | More
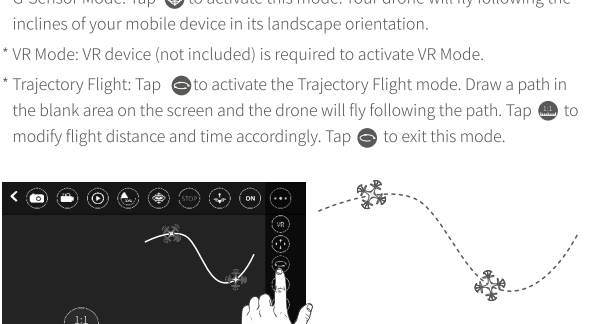

FLIGHT OPERATION GUIDE

Notes:
1. If Snaptain SP600-xxxxxx is not listed or the App does not show the preview image, restart the drone;
2. Make sure Snaptain-SP600-xxxxxx Wi-Fi is only connected to one device.

Function Overview of the App

1. Back
2. Photo
3. Video
4. Media Gallery
5. Speed Switch
6. G-Sensor
7. Emergency Stop
8. One Key Take-off/Landing
9. App ON/OFF
10. More
A. VR Mode
B. Headless Mode
C. Trajectory Flight
D. Trim ON/OFF
E. Calibration
F. Voice Control
G. Gestures for Photo/Video
H. Turn Left/Turn Right/Ascend/Descend
I. Forward/Backward/Leftward/Rightward
J. Wi-Fi Signal
K. Battery Status

FLIGHT OPERATION GUIDE

* More. Tap to hide or display icons from A to F.
* Photo. Tap once to take one photo.
* Video: Tap once to start recording, tap again to end and save the video.
* Media Gallery: Tap to check the photos and videos saved to your mobile device.
* G-Sensor Mode: Tap to activate this mode. Your drone will fly following the inclines of your mobile device in its landscape orientation.
* VR Mode: VR device (not included) is required to activate VR Mode.
* Trajectory Flight: Tap to activate the Trajectory Flight mode. Draw a path in the blank area on the screen and the drone will fly following the path. Tap to modify flight distance and time accordingly. Tap to exit this mode.

* Calibration: Tap to calibrate the drone directly.
* Voice Control: Take off, Landing, Left, Right, Forward and Backward.
* Gestures for Photo/Video: Tap to activate this function. Within a distance of 2-3 meters between you and the drone, make a gesture when facing the camera to take one photo, make a gesture to start recording, make a gesture again to end and save the video.
* Battery Status: check the battery status of the drone.
* Wi-Fi Signal: check the Wi-Fi status of the drone to avoid losing connection. When it drops to 1 of 4 bars, please fly the drone back immediately.

Note:
To fly the drone with the remote while see the image through your mobile device in the App operation mode, tap the ON/OFF icon to OFF, then link the drone and remote.

LED INDICATORS DESCRIPTION

Drone Status	Red LED	Green LED
Uncontrol/Unlink	Flash slowly	Flash slowly
Linked	Solid	Solid
Photo	Solid	Flash once when taking one photo
Video	Solid	Recording: Flash slowly End the recording: Solid
Headless Mode	Solid	Flash quickly
Calibration	Calibrating: Flash quickly Calibrated: Solid	Calibrating: Flash quickly Calibrated: Solid
Low Battery Warning	Flash quickly	Flash quickly
One Key Return	Returning: the Red and Green LED flash alternatively Returned: both LEDs turn to Solid On	

PARAMETERS

Photo Resolution	1280*720	Flight Time	15mins
Photo Format	JPG	Charging Time	180mins
Video Resolution	720P	Video Format	MP4
Maximum Flight Relative Height	100M	Storage	Save to the mobile device
Motor	8520 Coreless	FPV Range	≤50M
Drone Battery	Li-ion Battery	Control Range	≤80M
Mobile App Requirement	Android 4.4 and above, iOS 7.0 and above		

TROUBLESHOOTING GUIDE

Q1: Drone LEDs do not turn on.
* Press ON/OFF button on the drone.
* Replace or charge your drone battery.

Q2: Drone LEDs keep flashing and the control input is unresponsive.
* Link your drone and remote again.

Q3: Drone LEDs flash but the drone doesn't respond to control stick.
* Replace or charge your drone battery.

Q4: The Motors spin but the blades don't and the drone won't take off.
* Replace the blades/propellers. The blades and motors are marked A and B. Please pair them when replacing the blades.
* Replace or charge your drone battery.

Q5: The flight is not stable.
* Return the drone and restart to do a flight calibration as instructed.

Q6: The response from the drone to the control is not sensitive.
* Make sure the distance between the drone and the remote is effective.

Q7: Connection between the drone and the App is frequently lost.
* Make sure the distance between the drone and the remote is effective.
* Your mobile device is connected to another network.

Q8: The App doesn't respond to voice commands.
* Ensure the drone App has access to the audio function of your mobile device.

Q9: Some of the functions don't work in the App.
* Make sure the switch for the App is ON.

Q10: The drone will fly beyond the control range.
* Activate the Headless Mode, then move the Right Control Stick to fly the drone back.

FCC Statement

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.

WARNING:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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 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.

IC statement

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.