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**DISCLAIMER AND SAFETY GUIDELINES**

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
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 (2) this device must accept any interference received, including interference that may cause undesired operation.

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**SNAPTAIN**  
 VIDEO, AUDIO MANAGEMENT

**SP650**  
 4-AXIS DRONE

**INSTRUCTIONS**

V1.01

**14+**

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**MAINTENANCE AND CARE**

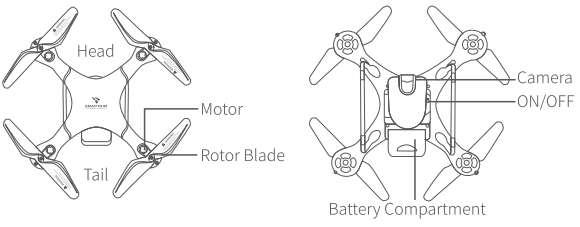
- Thoroughly check the drone after crash or violent impact.
- Do not charge battery before it cools down.
- Remove the batteries if the products will not be in use for a long time.
- Do not over charge the battery. Unplug the charger once it's fully charged.
- Store the drone and remote in a cool, dry place away from direct sunlight.
- Avoid direct contact of the camera with water or other liquids. Wipe dry with a soft absorbent cloth if it gets wet.
- 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**

- SP650 Drone
- Remote (batteries not included)
- Landing Skids x2
- Spare Rotor Blades A x2, B x2
- Propeller protectors x4
- Phone Clamp
- USB Charger
- 3.7V Li-ion Battery x2
- Instructors
- Screw Set(8Pcs)
- Magnetic Screwdriver

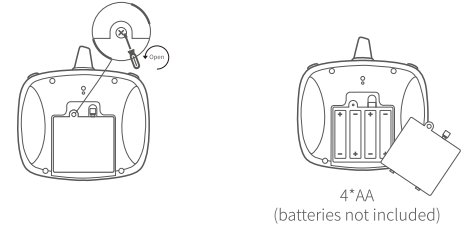
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**PRODUCT OVERVIEW**



**FLIGHT PREPARATION**

- Install the remote batteries.



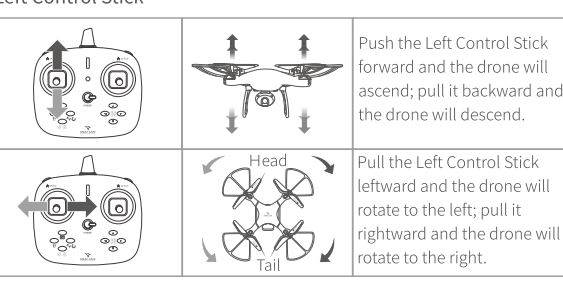
Make sure the batteries have enough power.

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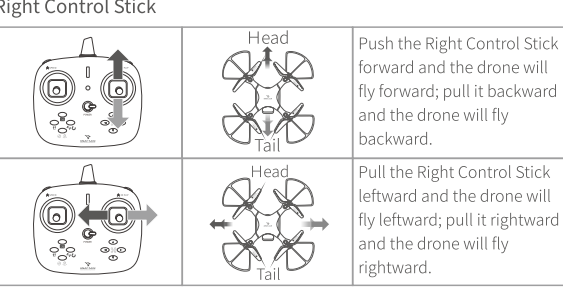
**FLIGHT OPERATION GUIDE**

**Instructions of the Remote**

**Left Control Stick**



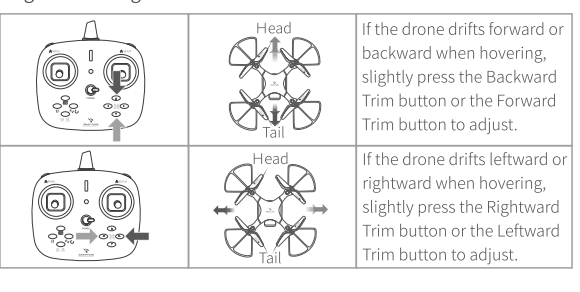
**Right Control Stick**



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**FLIGHT OPERATION GUIDE**

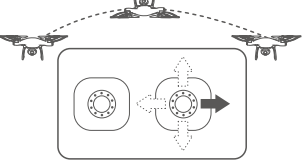
**Flight Trimming**



**Take-off**

**Landing**

**360° Flip**



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**FLIGHT OPERATION GUIDE**

**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.

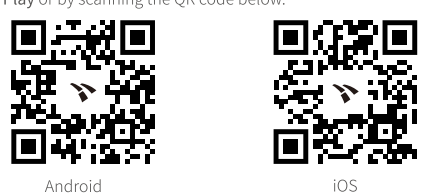
**Altitude Hold/Hover**

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 Mars into your mobile device from App store/Google Play or by scanning the QR code below.



**Pair the Drone with the App**

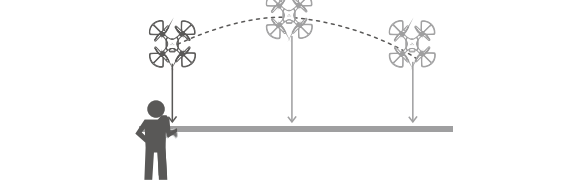
- Power on the drone and the LEDs will flash.
- Go to the Wi-Fi setting of the mobile device and connect to the Wi-Fi Snaptain-SP650-xxxxxx.
- Open Snaptain Mars App, tap Function Display, then tap ON/OFF button to ON. LEDs on the drone turn solid on after a successful pairing.

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**FLIGHT OPERATION GUIDE**

**One Key Return & Headless Mode**

Long press the **ON/OFF** button, the drone will fly toward its back following a path that parallels with its original take-off path. Long press the button again or push the **Right Control Stick** forward to cancel **One Key Return** mode.



**High-speed Rotation & Circle Fly**

Press the **ON/OFF** button to rotate the drone with high speed. Press the button again or move the **Right Control Stick** to any direction to exit the **High-speed Rotation** mode.

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**FLIGHT OPERATION GUIDE**

**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 alternately Returned: Solid	

**PARAMETERS**

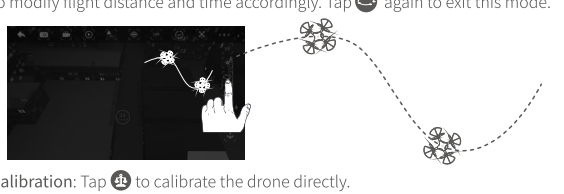
Photo Resolution	1920*1080	Flight Time	12mins
Photo Format	JPG	Charging Time	120mins
Video Resolution	1080P	Video Format	MP4
Maximum Flight Relative Height	100M	Storage	Mobile device microSD card
Motor	816 Coreless	FPV Range	<60M
Drone Battery	Li-ion Battery	Control Range	<80M
Mobile App Requirement	Android 4.4 and above, iOS 7.0 and above		

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**FLIGHT OPERATION GUIDE**

**1. Back** 2. Photo 3. Video  
 4. Media Gallery 5. Speed Switch 6. G-Sensor  
 7. App ON/OFF 8. 360° Flip 9. One Key Return  
 10. More

\*More: Tap **More** to hide or display icons from A to F.  
 \*Photo: Tap **Photo** once to take one photo.  
 \*Video: Tap **Video** once to start recording, tap again to end and save the video.  
 \*Media Gallery: Tap **Media** to check the photos and videos saved to the mobile device.  
 \*G-Sensor Mode: Tap **G** to activate this mode. The 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 **T** 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 **More** to modify flight distance and time accordingly. Tap **More** again to exit this mode.



\*Calibration: Tap **C** to calibrate the drone directly.  
 \*Voice Control: Take off, Landing, Left, Right, Forward, Backward and Stop.  
 \*Gestures for Photo/Video: Tap **P** to activate this function. When you face the camera and make a **P** gesture within a distance of 2-3M between you and the camera, the camera takes one photo; when you make a **V** gesture, the camera starts recording; when you make a **V** gesture again, the camera ends recording and saves the video.  
 \*Battery Status: check the battery status of the drone.  
 \*Wi-Fi Signal: check the Wi-Fi signal strength of the drone to avoid losing control. When it drops to 1 of 4 bars ( ), please fly the drone back immediately.

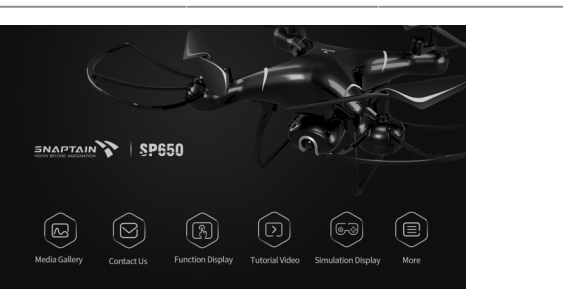
Please refer to the instructions of the remote for the other functions.

**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 button to OFF, then pair the drone and remote.

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**FLIGHT OPERATION GUIDE**

**Function Overview of the App**



**Notes:**

- If the Snaptain-SP650-xxxxxx Wi-Fi is not listed in your Wi-Fi list or the App does not show the preview image, restart the drone.
- Make sure the Snaptain-SP650-xxxxxx Wi-Fi is only connected to one mobile device.

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**TROUBLESHOOTING GUIDE**

**Q1: The LED doesn't turn on after the battery is installed.**  
 \*Make sure the power switch on the drone is turned to ON.  
 \*Make sure there is enough power in the drone battery.  
 \*Make sure the connectors of the battery are plugged in firmly.

**Q2: The drone LED keeps flashing and the control input is unresponsive after switching on the drone and remote.**  
 \*There is no connection between the drone and remote. Pair them again as instructed.

**Q3: The motors don't respond to the control stick and the LED on the drone flashes.**  
 \*Charge the battery or replace it with a fully charged 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.  
 \*Make sure the switch for the App is ON.

**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.

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**FCC Statement**

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 (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.

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**TRASH**

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