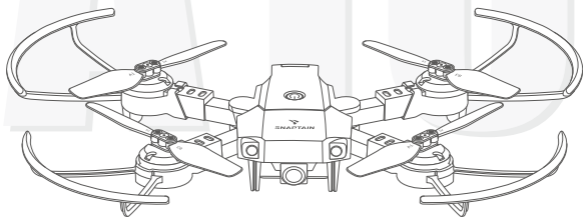


SNAPTAIN 



Mini Foldable Drone

USER MANUAL

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

FOR AGES
14+

• CONTENTS •

DISCLAIMER AND SAFETY GUIDELINES.....	01
MAINTENANCE AND CARE.....	03
PRODUCT OVERVIEW.....	04
FLIGHT PREPARATION.....	05
FLIGHT OPERATION GUIDE.....	08
Remote Operation Guide.....	09
1. Pair the Remote with the Drone.....	09
2. Flight Calibration.....	10
3. Flight Instructions.....	11
Take-off.....	11
Landing.....	12
Flight Directions.....	13
Flight Trimming.....	14
Speed Switch.....	14
Headless Mode.....	15
360° Flip.....	15
One Key Return.....	16
High-Speed Rotation.....	17

Circle Fly.....	17
Photo/Video.....	18
Altitude Hold/Hover.....	18
Emergency Stop.....	18
App Operation Guide.....	19
1. App Downloading and Installation.....	19
2. Pair the App with the Drone.....	19
3. Function Overview of the App.....	21
TROUBLESHOOTING GUIDE.....	24
SPECIFICATIONS.....	25

▶ DISCLAIMER AND SAFETY GUIDELINES

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 not recommended for users under age 14.



7. Please maintain 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.



8. This drone does not come with a GPS module. Please fly the drone within the control range and always keep an eye on the flying.



9. This product is not intended for 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.



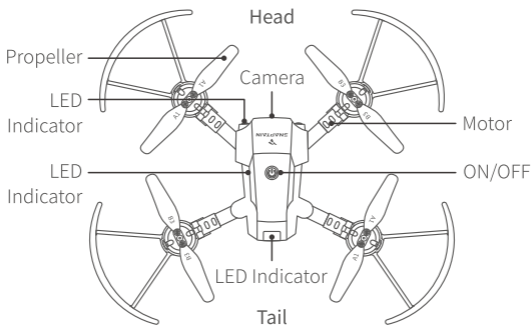
SNAPTAIN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to, those set forth in these Safety Guidelines. SNAPTAIN reserves the right to update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

► MAINTENANCE AND CARE

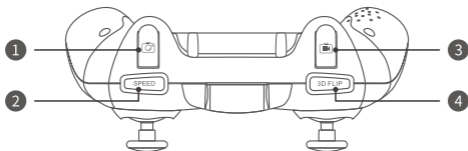
1. Thoroughly check the drone after a crash or violent impact.
2. Do not charge battery if it is hot. Let it cool down first.
3. Remove the batteries from both the drone and the remote if they will not be used for a long time.
4. Unplug the charger once the battery is fully charged.
5. Store the drone 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 inflammable materials, such as carpet, wood floors or countertops etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging.
8. To extend the battery's lifespan, recharge it at least once every three months if not using it for long periods of time.
9. Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.
10. Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.
11. 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.
12. 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

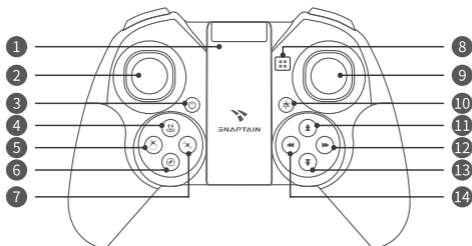
Drone



Remote



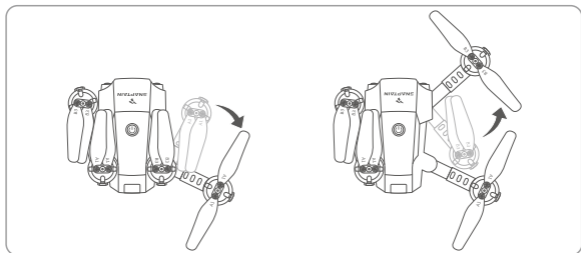
- | | |
|---|-------------|
| 1 Photo | 3 Video |
| 2 Speed Switch(short press)
Emergency Stop(long press) | 4 360° Flip |



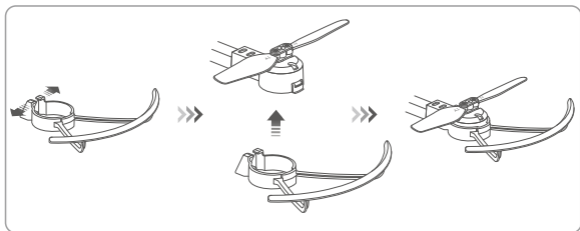
- | | |
|--|-------------------------------------|
| 1 Phone Clamp | 8 LED Indicator |
| 2 Left Control Stick | 9 Right Control Stick |
| 3 ON/OFF | 10 Drone's LED Indicators
ON/OFF |
| 4 One Key Take-off/Landing | 11 Forward Trim |
| 5 Circle Fly | 12 Rightward Trim |
| 6 Headless Mode(short press)
One Key Return(long press) | 13 Backward Trim |
| 7 High-speed Rotation | 14 Leftward Trim |

▶ FLIGHT PREPARATION

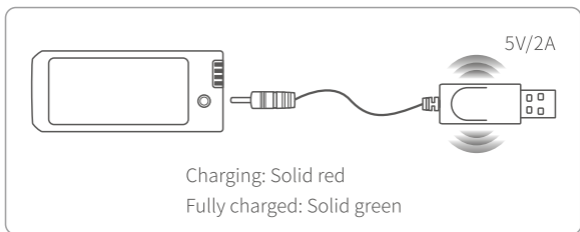
- ① Unfold the rear arm, then the front arm.



- ② Gently pull the buckle of the propeller guard to both sides and align the slot with the motor base, then fit the propeller guard into the drone's arm.



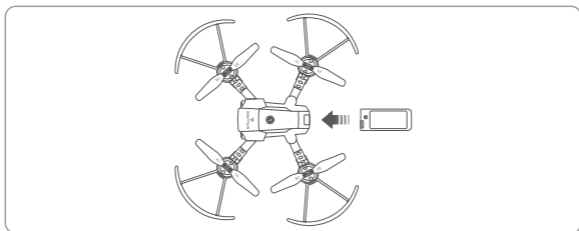
- ③ Charge the drone battery.



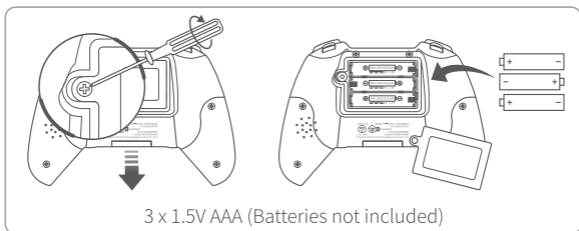
! Notes:

- * When the drone's battery is low, there are continuous beeps from the remote and the drone's LEDs keep flashing.
- * 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.

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

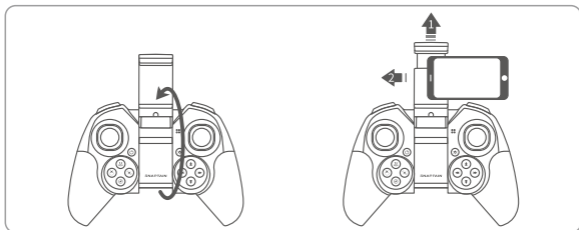


- ⑤ Install the remote batteries.

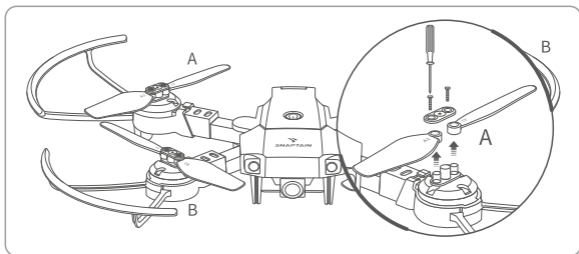


* When the remote's battery is low, there are continuous beeps from the remote and its LED indicator keeps flashing.

- ⑥ Unfold the phone clamp to mount your mobile device.



- ⑦ Replace the propellers when it's needed. (Optional)



- ① Loosen the screws, then remove the cap.
- ② Take out the propellers.
- ③ Fit the spare propellers into the drone according to the mark (A/B) on them.
- ④ Install the cap and tighten the screws.

⚠ Note:

Please do not overtighten the screws. Gently rotate the propellers by hand after installation to check if they are rotatable, if not, please loosen the screw and check again.

▶ FLIGHT OPERATION GUIDE

i IMPORTANT

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

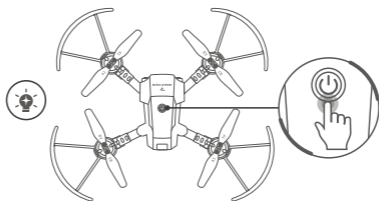
* We recommend flying in the open air and within the control range for beginners.

Remote Operation Guide

1. Pair the Remote with the Drone

Step 1:

Press and hold the **ON/OFF** button till the drone's LEDs start flashing to turn on the drone. Then place the drone on a flat surface with the head forward.

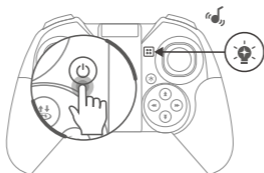


⚠ Note:

The drone will be off automatically if you do not operate it about 6mins after powering on the drone.

Step 2:

Press and hold the **ON/OFF** button to turn on the remote; you will hear a beep from the remote and its LED indicator starts flashing.



! Notes:

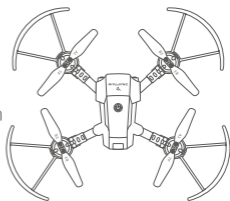
- * The remote will be off automatically if you do not operate it about 6mins after powering on the remote.
- * Press and hold the **ON/OFF** button again to turn off the remote.

Step 3:

Push the **Left Control Stick** forward to the top, then pull it backward till the bottom. Pairing is successful when the LEDs of the drone turn to solid on from flashing.

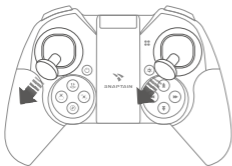


Solid on

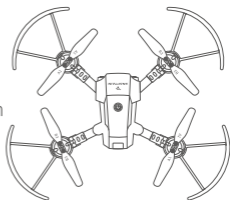


2. Flight Calibration

Move both control sticks to lower left at 45°; you'll hear a beep from the remote. Calibration is completed when the LEDs of the drone turn to solid on from flashing.



Solid on



! Note:

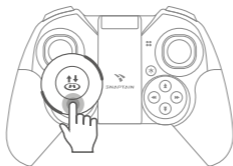
Please calibrate the drone after a crash or impact.

3. Flight Instructions

Take-off

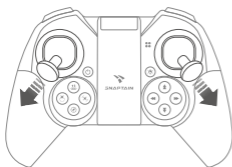
Option 1:

Press the  button to take off.

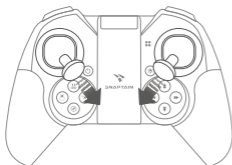


Option 2:

Simultaneously push the **Left Control Stick** to lower left at 45° and the **Right Control Stick** to lower right at 45° (or push the **Left Control Stick** to lower right at 45° and the **Right Control Stick** to lower left at 45°) until the four propellers start rotating, then slowly push the **Left Control Stick** forward to take off.

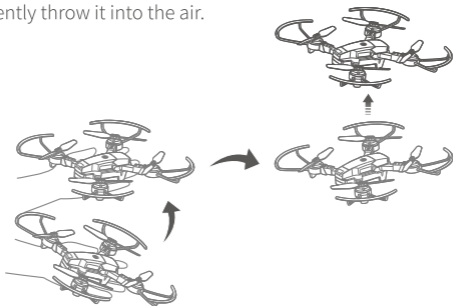


OR



Option 3:

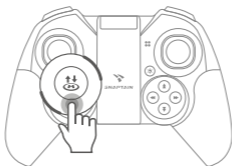
Place the drone on your palm with the head of the drone in the front, then gently throw it into the air.



Landing

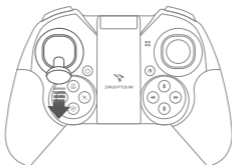
Option 1:

Press the  button to land the drone.




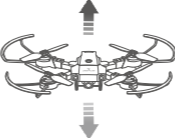
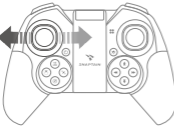
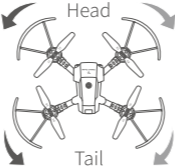
Option 2:

Slowly pull the **Left Control Stick** backward to land the drone until the propellers stop rotating.


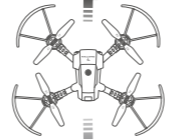
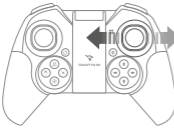
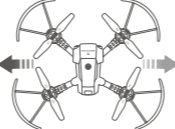


Flight Directions

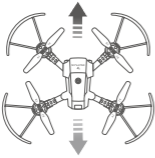
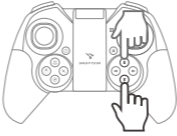
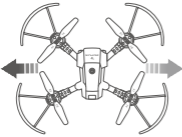
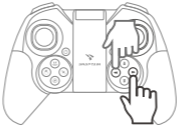
Left Control Stick

		<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>
		<p>Pull the Right Control Stick leftward and the drone will fly leftward; pull it rightward and the drone will fly rightward.</p>

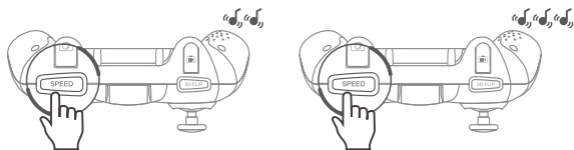
Flight Trimming

		<p>If the drone drifts forward or backward when hovering, press the Backward Trim button or the Forward Trim button to adjust.</p>
		<p>If the drone drifts leftward or rightward when hovering, press the Rightward Trim button or the Leftward Trim button to adjust.</p>

Speed Switch


The drone is set to low speed by default.

Press the **SPEED** button once for **Medium** speed and there are two beeps from the remote. Press it again for **High** speed and there are three beeps from the remote.

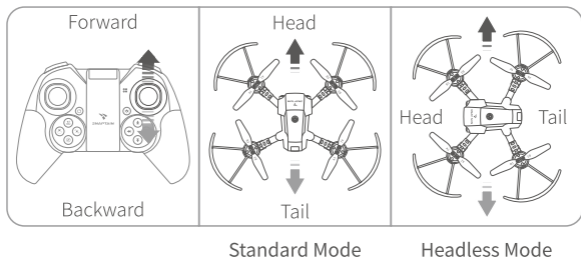


Press it the third time to get back to **Low** speed and there is one beep from the remote.

Headless Mode

Short press the  button to activate **Headless Mode**; LEDs on the drone start flashing.

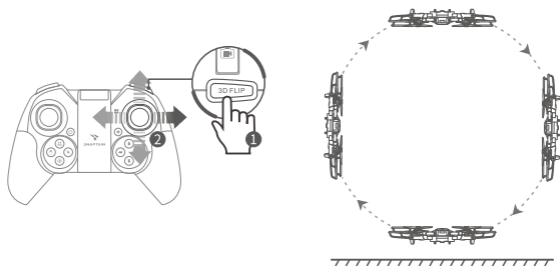
In this mode, the drone will fly following the direction of the **Right Control Stick** regardless of the position of your drone's head or tail.



Press the same button to exit this mode; LEDs on the drone turn to solid on.

360° Flip


Fly the drone to a height over 2m, then press the **3D FLIP** button to activate **360° Flip** function. Next, move the **Right Control Stick** to flip the drone accordingly.




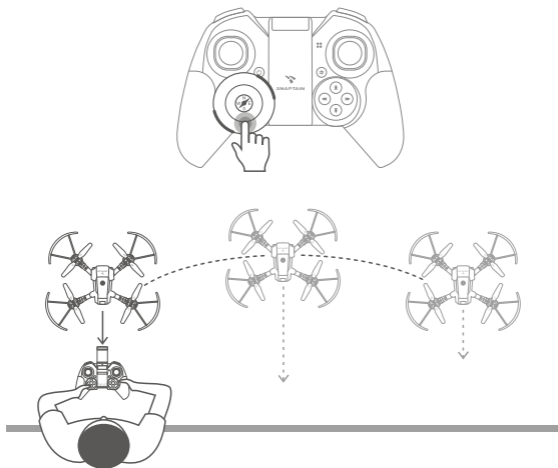
! Notes:

- * There are continuous beeps from the remote when you activate this function. If you do not move the **Right Control Stick** about 5s after you press the **3D FLIP** button, the function will be cancelled and the remote will stop beeping.
- * This function can't be activated when the battery of the drone is low.

One Key Return

Press and hold the  button, then the drone will fly toward its back following a path parallel to its original take-off path. The LEDs on the drone keep flashing when the drone is returning.

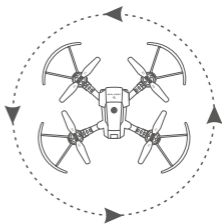
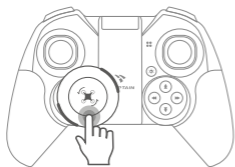
Press and hold the  button again or move the **Right Control Stick** forward to cancel this mode, or the drone will keep flying back.



High-Speed Rotation

Press the  button to make the drone rotate at high speed.


Press the button again or move the **Right Control Stick** to any direction to exit this mode.



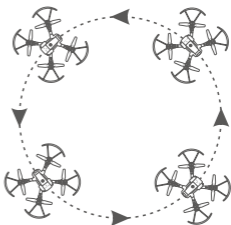
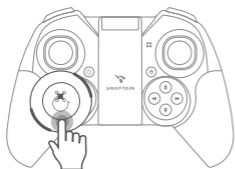
Note:

This function can't be activated when the battery of the drone is low.

Circle Fly

In the case of barrier-free within 5m radius around the drone, press the  button to fly the drone in a circle.

Press the button again or move the **Right Control Stick** to any direction to exit this mode.



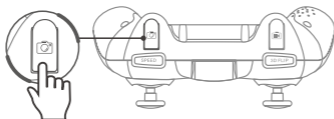
Note:


This function can't be activated when the battery of the drone is low.

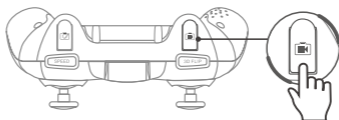
Photo/Video

Please connect the drone to your mobile device first (refer to [Page 19](#)), then go to the App **Snaptain View** to check your photos and videos.

Press the  button to take a photo.



Press the  button to start recording a video; press it again to stop recording and save the video.

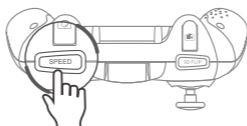


Altitude Hold/Hover

This is one of the default settings of the drone. When you release the **Left Control Stick** after an ascent/descent action, the drone will hover at the current flight height. For a stable flight, press the trim buttons to adjust accordingly.

Emergency Stop

Press and hold the **SPEED** button, then the drone will stop in the air and fall.



! Note:

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

App Operation Guide

1. App Downloading and Installation

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



For Android 5.1 or later



For iOS 9.0 or later

! Note:

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

2. Pair the App with the Drone

Step 1:

Press and hold the **ON/OFF** button till the drone's LEDs start flashing to turn on the drone. Then place the drone on a flat surface with the head forward.

Step 2:

Go to the Wifi settings of your mobile device and connect to the Wifi **Snaptain-A10-xxxxxx**.

Step 3:

Open **Snaptain View App** and tap **Start** to enter the interface of A10. Tap **ON/OFF** to turn on the App, and the LEDs on the drone turn to solid on at a successful connection.



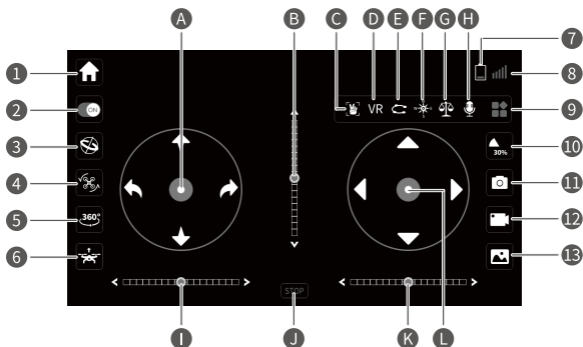
Step 4:

Tap  , then tap  to calibrate the drone.

Notes:

- * If **Snaptain-A10-xxxxxx** is not listed or the App doesn't show the preview image, please restart the drone and search the Wifi of the drone again.
- * Make sure the Wifi **Snaptain-A10-xxxxxx** is only connected to one device.
- * The drone's Wifi has no Internet access. To prevent your mobile device from automatically switching to cellular data, it's recommended that you turn off cellular data when connecting to the drone's Wifi.

3. Function Overview of the App




- | | |
|---|---|
| ① Back | ⑧ Wifi Signal |
| ② Virtual Remote ON/OFF | ⑨ More |
| ③ G-Sensor Mode | ⑩ Speed Switch |
| ④ High-Speed Rotation | ⑪ Photo |
| ⑤ 360° Flip | ⑫ Video |
| ⑥ One-key Take Off/Landing | ⑬ Media Gallery |
| ⑦ Drone Battery Status | |
| ① Turn Left/Turn Right/
Ascend/Descend | ① Calibrate |
| ② Trim forward/backward | ② Voice Control |
| ③ Gestures for Photo/Video | ③ Trim clockwise/anticlockwise |
| ④ VR Mode | ④ Emergency Stop |
| ⑤ Trajectory Flight | ⑤ Trim leftward/rightward |
| ⑥ Headless Mode | ⑥ Forward/Backward/
Leftward/Rightward |


► **More:**

Tap  to show or hide icons from **C** to **H**.

► **Photo:**

Tap  once to take a photo. Please allow **Snaptain View** to access the photos on your phone before taking a photo.


► **Video:**

Tap  once to start recording, tap again to end and save the video. The interval time between recording and saving a video should be over 3 seconds.

► **Media Gallery:**

Tap  to check the photos and videos saved to the mobile device.

► **G-Sensor Mode:**


Tap  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**.

► **Calibration:**



Tap  to calibrate the drone directly.


If the LEDs of the drone flash quickly after a sudden impact, please tap  to calibrate the drone.

► **Voice Control:**

Take off, landing, forward, backward, left, right. Please allow **Snaptain View** to access the microphone on your phone before inputting the voice command.

► **Gestures for Photo/Video:**

Tap  to activate this function. Stand in front of the camera at a distance of 1.5~3 meters, face the camera and make a  gesture with

your right hand to take a photo, a  gesture to start or stop recording a video. Please keep your wrist and shoulder at the same height.






► Wifi Signal:

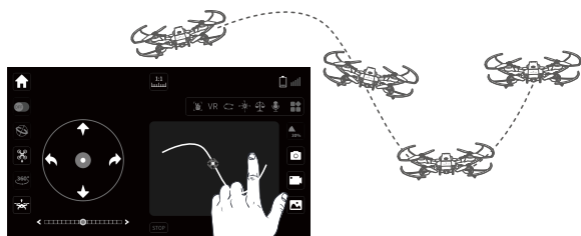
Check the Wifi status of the drone to avoid losing control. When it drops to 2 or 1 bar, please do not fly the drone far away.

► Battery Status:

Check the battery status of the drone.

► Trajectory Flight:

Tap  to activate this mode. Draw a path in the frame on the right side of the screen and the drone will fly following the path. Tap  to modify flight distance and time accordingly. Tap  again to exit this mode.



Stop

Tap **STOP** and a pop-up window will show to confirm if you would like to stop the drone.

! Note:

To fly the drone with the remote and see the image through your mobile device in the App operation mode, tap the **ON/OFF** icon to **OFF**, then pair the drone with the remote again.

▶ TROUBLESHOOTING GUIDE

Q1. How to avoid losing my drone?

- * Make sure the distance between the drone and the remote/App is effective.
- * We recommend flying the drone on windless days. If you insist on flying the drone in the wind, we recommend flying at HIGH speed.
- * It's essential to calibrate the drone before flying.

Q2. Drone LEDs do not light up.

- * Ensure that you've turned on the drone.
- * Replace or charge the drone battery.

Q3. Drone LEDs keep flashing, but the drone never responds to any command from the remote.

- * Pair the drone and remote again.
- * Replace or charge the drone battery.
- * Make sure the batteries of the remote have enough power.

Q4. The flight is not stable.

- * Return the drone and restart to do a flight calibration as instructed.
- * Make the flight trimming accordingly.
- * Fly the drone when the weather is good.

- Q5. The response from the drone to the control is not sensitive.**
- * Make sure the distance between the drone and the remote is effective.
 - * The remote signal may be interfered, please land the drone and go to another place to fly it.
- Q6. Connection between the drone and the App is frequently lost.**
- * Make sure the distance between the drone and the mobile device is effective.
 - * Make sure your mobile device is not connected to another network.
- Q7. The App doesn't respond to voice commands.**
- * Ensure the drone App has access to the audio function of your mobile device.
- Q8. Some of the functions don't work in the App.**
- * Make sure the switch for the App is ON.
- Q9. The drone will fly beyond the control range.**
- * Activate the **Headless Mode**, then move the **Right Control Stick** to fly the drone back.

SPECIFICATIONS

Drone	
Operating Temperature	32°F to 104°F (0°C to 40°C)
Operating Frequency	Model A10: 2412-2472 MHz
Transmit Power	Model A10: 2.4 GHz < 14 dBm

Remote	
Operating Frequency	Model A10R: 2447-2479MHz
Transmit Power	Model A10R: 2.4 GHz < 14 dBm
USB Cable	
Input	5V $\overline{\text{---}}$ 2A
Output	5V $\overline{\text{---}}$ 0.3A
Rated Power	1.5W

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.

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.

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://doc.vantop.com/>.



BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY

Manufacturer

Shenzhen VanTop Technology & Innovation Co., Ltd.

Manufacturer address:

502, 5th Flr. BLDG 4, MinQi Technology Park, No. 65 Lishan Road, Taoyuan Street,
Nanshan District, Shenzhen, China

EC	REP
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