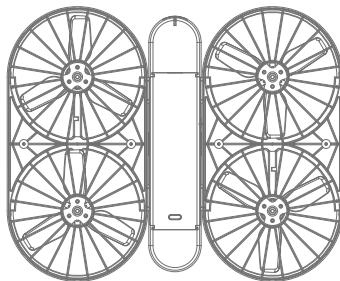




## Moment User Manual

V 1.0



Content is subject to change without notice. You can find the latest version of "Moment User Manual" at SimToo official website [www.simtoo.com/documents](http://www.simtoo.com/documents)

If you have any questions or suggestions about the manual, please contact us via the following e-mail address: [info@simtoo.com](mailto:info@simtoo.com)

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## Notice

1. According to Civil Aviation Administration of China, in order to ensure the normal use of aircraft is not affected, please register in the system "UAV real name registration system" (<https://as.caac.gov.cn>).
2. Please do not fly in the no-fly area, and users must strictly follow the local Laws and Regulations when flying.

## Safety Precautions

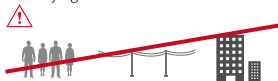
### 1. Flight safety tips

- (1). The aircraft has Standard version and GPS version, GPS version of the flight are depending on GPS, so it requires strong GPS Signal, please ensure that the flight site is open to GPS signal, and away from the crowd, ponds, buildings, trees, towers, other dangerous materials and area with interference to GPS signal.
- (2). Due to the site, weather, electromagnetic interference or any other reasons, that causing the aircraft drift, or rise rapidly and continuously above six meters, please press the "landing button" to the aircraft emergency landing!

### 2. Requirements for flight environment

- (1). Indoor flight is based on optical flow and ultrasonic positioning, flight area need to have texture underneath, and the texture should not be too complex or too plain.
- (2). Indoor flight are advised to be under sufficient lighting environment (illumination > 15lux), do not fly on the ground that has strong reflection
- (3). Do not fly on materials that have a strong absorption of ultrasound, such as blankets and other wool.

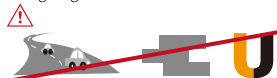
**Note:** Keep away from the crowd, trees, wires and buildings while flying.



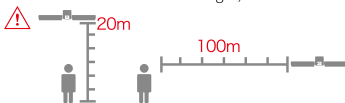
**Note:** Do not fly under strong wind > 5m/s, rain, lightning, snow, foggy weather.



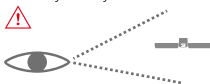
**Note:** Do not fly on highways, big steel structure or other site with strong magnetic field.



**Take Note about the flight height and range:** Please control the aircraft below 20 meters height, and within 100 meters range.

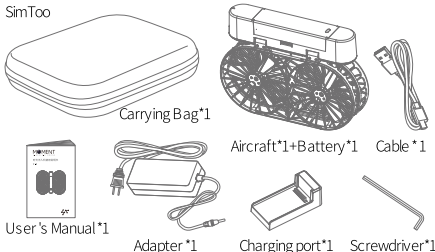


**To fly within your sight:** Avoid flying to tall buildings and other places that may block your visual.



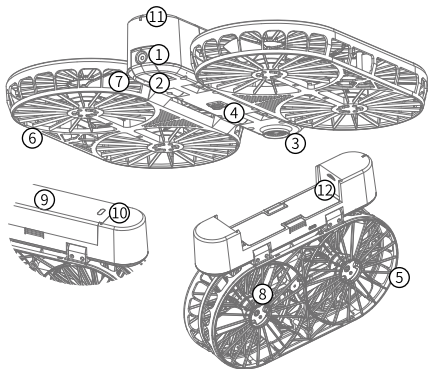
## In The Box

Before using this product, please check whether all the following items are included in the product package. If you have missing items, please contact SimToo



## Meet Moment Drones

Moment flight control system is integrated in the aircraft body, Uniaxial PTZ is located at the front. Hi-definition image transmission system is also built in for high-definition images and video transmission. The user can control the aircraft by installing the official APP on the mobile device.



- ① Camera
- ② Camera Controller
- ③ Ultrasonic System
- ④ Optical System
- ⑤ Upper Protective Cover
- ⑥ Lower Protective Cover
- ⑦ Propeller
- ⑧ Motor
- ⑨ Battery
- ⑩ Battery On/Off Switch
- ⑪ Camera Indicator
- ⑫ TF Card Slot

## Specification

Aircraft	Unfold size	215x263x47mm
	Folded size	215x153x50mm
	Weight	400g
	Diagonal Distance	200mm
	Max speed	3m/s
	Take off speed	1m/s
	Landing speed	0.6m/s
	Hover accuracy	Vertical +/-0.5, Horizontal +/-1.0m
	Follow me accuracy	1~2m
	Propeller	4" three blades
	Motor	1806 40W Brushless
	Motor ESC	10A
	GPS	UBLOX M8N Support GPS & Glonass (Limit to GPS version)
	Gyro	Built-in
	Barometer	Built-in
Magnetometer	Built-in	
Accelerometer	Built-in	
Battery	22wh	
Flight time	15 mins	
Wireless channel	WIFI	
Control distance	100m	
FPV Video	Frequency	2.4G
	Max range	100m
	Transmitter Power	17db
Gimbal	FOV	90°
	Axis	1

Camera	Camera Len	FOV147°
	Pitch	0-90°
	Photo Resolution	16M(4640*3480)
	Video Resolution	3840*2160 25fps
	Format	Photo: jpg, Video: mov
	Memory Card	Class 10+, 8-64G, FAT32
	ISO	100-3200
	Sensor	1/2.5"CMOS, effective13MP
Video storage stream	60Mbits	

## Pre-flight preparation

### Download APP

Before the first flight, You need to install the official APP into the mobile device. Please scan the QR code on the box to download the APP and install, or search "Airselfie Drone" on the APP store or Android Google market to download and install.

### Check the battery

Take out the battery separately, press the battery On/Off button. If the battery light stays it means on, the battery power is sufficient. If the battery light flashes, it means the battery power is low, please charge the battery before use.



### Battery on / off

Press and hold the power button for more than 3 seconds to turn the battery on or off.

### Battery charging

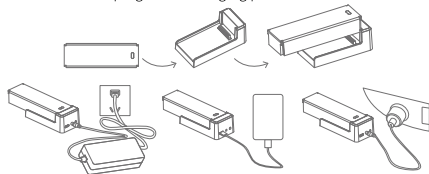
During charging process; the red led on the charger is always on, the battery power indicator will flash. After fully charge, light goes off, the battery power indicator will turn to always on.

**CAUTION:** Do not charge the battery immediately when the battery temperature is high. Cool down before charging.

**Charging from power plug:** Connect the power adapter to the charging port. Then insert the battery into the charging port.

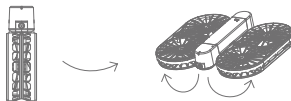
**Mobile Power Charging:** Insert the battery into the charging port and connect the power cable with a 5V USB supply. The USB charging may need 3 hours for full charging.

**Car Charging:** Insert the battery into the cradle, use the car charger to connect the car plug to the charging port.



### Start the aircraft

Install firmly the battery on the aircraft, then expand the aircraft, put the aircraft horizontally or on the palm, press and hold the aircraft Battery On/Off switch for 3 seconds, release when the indicator light is on. Do not move or swing the aircraft during start-up, and proceed to the next step after hearing the starting "beep" sound.

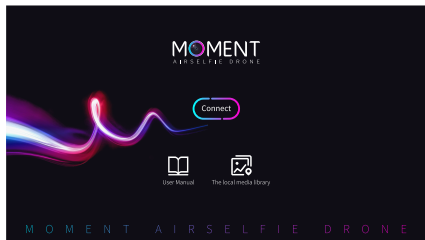


### Connect the aircraft and APP



After starting sound, search XT200\_xxxxxx from the mobile device WIFI settings, and click for the connection (default password: 1234567890), once connected successfully, You can run the APP and click on link to enter the user interface

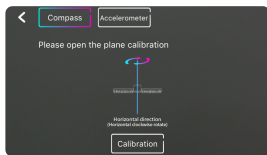
**Note:** APP can only run on Android device with system version of 5.0 or above or Apple device with IOS 8.0 or above.



















### Compass and accelerometer calibration

















1. For the first time of use, please perform compass calibration.
2. Compass is very susceptible to get interference from other electronic devices, resulting in data anomalies, affecting flight, and even lead to flight accidents. Therefore, Keep away from field interference or large steel objects while doing the compass calibration.
3. Please calibrate the compass for the following conditions:
  - 1). First flight and first outdoor flight
  - 2). The flight location is far away from the last flight
  - 3) The plane drifted seriously and could not fly in a straight line
  - 4). In the APP interface. Click the setting button  in the page to enter the setting interface. Then Click the calibration button  to enter the calibration setting interface. Follow the screen notice page prompt to start the compass calibration.
  - 5). After the compass calibration, switch to the accelerometer calibration and follow the notia until the calibration is successful and proceed to the next step.



## User Manual

### Icons

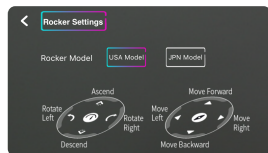
-  **User Manual:** Please read it before use
-  **The local media library:** Download the media storage location to the mobile device
-  **Home key:** Click to return to the main page
-  **Settings:** Click to enter the setup interface
-  **Take off:** Press it, then Click on the prompt box "OK", the drone will take off to 1.5 meters height
-  **Landing:** Press it, then Click on the prompt box "OK", the drone will start landing from current position.
-  **One button to return (Limited to GPS version):** Press it, then click on the prompt box "OK", the drone will return to the starting point and start landing. During the process of landing, You can click the button again to cancel the landing and enter hover mode.
-  **Visual Follow:** Click and confirm that the target is selected on the screen and the aircraft will automatically follow the target. Click the button again t, the aircraft will become hovering
-  **Photo mode:** click to switch to the photo mode, During photo taking process, the camera light will flash fast, camera indicator light will stay on once finished.
-  **Recording mode:** click to switch to the video mode, the video indicator will flash during the video recording, and the indicator light will stay on once finished.
-  **Camera adjustment:** click to adjust the camera angle. Activate the angle control will disable the joystick operation. Click the icon again to exit to normal joystick control interface.
-  **Camera Shutter:** In the camera mode, click to take pictures, press the video mode, click Start Recording
-  **Media Library:** Click to enter the camera media library
-  **Panorama shooting:** Click to enter the panorama shooting mode

-  **Timer shooting:** Click to enter 1.0 seconds timer shooting mode, you can set the timer in the camera settings. Click the timer button again to exit the timer shooting mode
-  **Burst mode:** Click to enter 3 burst mode, you can set the number of continuous shooting in the camera settings interface. Click the burst button again to exit burst mode
-  **Switch operation mode:** Click to switch to pointing mode
-  **Point mode:** Click to switch to joystick mode
-  **Joystick settings:** Click to enter the joystick settings interface, the interface can be set to switch the US hand / Japanese hand
-  **Sensitive settings:** sensitive settings interface can be set (primary 1m / s) / (intermediate 2m / s) / (advanced 3m / s)
-  **Calibration:** Calibration interface for compass calibration and accelerometer calibration
-  **Camera settings:** Photo settings and video settings
-  **Video library:** Click to go to the video library
-  **Download:** Press and Hold to select the photo / video, click the download button, the photo / video will be downloaded from the camera memory card to the local media library on the mobile device
-  **Delete:** Press and Hold to select the photo / video, click the Delete button, the photo / video will be deleted from the camera memory card
-  **Share:** Click and select the platform icon, the photo / video will be shared to the selected platform
-  **MicroBlog:** click, the photo / video share to microblogging
-  **QQ:** click, the photo / video sent to QQ friends
-  **WeChat:** click, the photo / Video sent to WeChat friends
-  **WeChat Moments:** click, the photo / video sharing to WeChat Moments

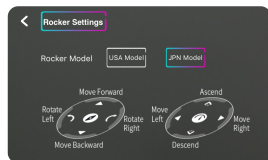
## Joystick setting

Users can set their own joystick mode and joystick mode according to their operating habits in the joystick setting interface Distinguish: American mode and Japan mode.

**American mode:** Also called left hand throttle, as shown in the figure below, this mode rises / falls as well as left / right swivel operation on the left joystick, forward / backward and left / right shift on the right joystick

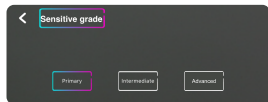


**Japan mode:** Also called the right hand throttle, as shown in the figure below, move forward / backward as well as left / right swivel operation on the left joystick, up / down and left / right on the right joystick



## Sensitivity setting

Users can set their own preferable sensitivity in the sensitivity settings interface according to their own operating preference. Sensitivity settings distinguish between primary, intermediate and advanced, the higher the level, the more responsive the operation of the aircraft and also the greater the magnitude of the action.



## Pointing mode

In the pointing mode, the joystick is hidden and the user can click to select any object on the screen as the camera target. The aircraft will do automatic flight adjustment and point the camera to the center of the target.

## One Key return to home

Moment Drone GPS version can achieve the return home function, this operation requires GPS receive to more than 8 satellites signal. During the switch to the return process, the button key will convert into color. In the process of returning, press the button again to cancel the return, then the aircraft will change to hover status. The return point is the first successful GPS\_fixed point of the aircraft, and may not be the takeoff position. If you want to return to take\_off location, you need to wait for the GPS\_fixed before take\_off.

## Safety Precautions

When the battery power is low, the battery LED indicator will flash, the APP interface will prompt "battery low" message, when the power less than 10% the aircraft will automatically land. The maximum distance between the mobile device and aircraft is about 100 meters and the maximum control height is 20 meters. If Standard version aircraft flying out of the range, or loss of communication, the aircraft will automatically land. If GPS version aircraft flying out of the range, or lost communication, the aircraft will automatically return.

## Hints and Tips

1. When the aircraft is deviated during the ascending process, please perform an accelerometer calibration.
2. When click on one key take off, the aircraft has no response, please restart the aircraft. The reason for this condition is that the aircraft did not remain stationary when the aircraft was turned on or when the flight was taking off, causing the aircraft to fail to complete the gyro calibration.
3. When the aircraft is out of control, please click on one key landing.



Please make sure to read the entire manual carefully, familiarize with product features and exercise before the actual operation. Improper operation may cause injury, or result in product damage and property damage.

If there are any questions or suggestions about the product, send e-mail to [info@simtoo.com](mailto:info@simtoo.com) or call the National Service Hotline 400-960-1112