Moment User Manual
V 2.0

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www.simtoo.com/documents.php

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

In order to fly safely and responsibly, please stay informed on the rules regarding remote controlled aircraft in your local region, and follow these regulations at all times.

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 visual detection and ultrasonic positioning, flight area is advised to have rich texture underneath.
   (2). Indoor flight are advised to be under sufficient lighting environment(illumination>15lux, which means normal indoor lighting environment), 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

- Carrying Bag*1
- Aircraft*1+Battery*1
- User’s Manual*1
- Adapter *1
- Charging port*1
- Screwdriver*1
**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.

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**Specification**

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<th>Aircraft</th>
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<tr>
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<tr>
<td>Folded size</td>
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<td>Weight</td>
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<td>200mm</td>
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<tr>
<td>Max speed</td>
<td>3m/s</td>
</tr>
<tr>
<td>Take off speed</td>
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<tr>
<td>Landing speed</td>
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<tr>
<td>Hover accuracy</td>
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<td>Propeller</td>
<td>4&quot; three blades</td>
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<td>Motor</td>
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<tr>
<td>Motor ESC</td>
<td>10A</td>
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<td>GPS</td>
<td>UBLOX M8N Support GPS &amp; Glonass (Limit to GPS version)</td>
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<td>Gyro</td>
<td>Built-in</td>
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<tr>
<td>Barometer</td>
<td>Built-in</td>
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<tr>
<td>Magnetometer</td>
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<td>Max range</td>
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<td>16M(4640*3480)</td>
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<td>Video Resolution</td>
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<td>Format</td>
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**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 "Moment Drone" on the APP store or Android Google market to download and install.

**Examine the battery**
Take out the battery and press the battery On/Off button, while the battery light stays, it means the battery power is on and the battery capacity is above 75%. If the battery light flashes, it means the battery power is low. Please charge the battery before use.

![Battery On/Off Switch](image)

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

**Battery charging**
Charging: Plug the battery onto the charging port and then connect the power supply through adapter.
During charging process; the red LED light on the charging port is always on, the battery power indicator will flash. After fully charge, the red LED on the charging port 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.

**Start the aircraft**
Install firmly the battery on the aircraft, then expand the aircraft, put the aircraft horizontally, 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_xxxxx 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 notice 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 to exit the mode.\n- **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
- **Timer shooting**: Click to enter 10 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 burst mode, you can set the number of continuous shooting in the camera settings interface. Click the burst button again to exit burst mode.

**10 seconds video**: Click to 10 seconds short video 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 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

**MultiSelect**: Click for MultiSelect mode

**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**: Click to delete the photo/video from memory card of camera

**Share**: Click and select the platform icon, the photo/video will be shared to the selected platform

**Beauty**: Click for Beauty photo function

**Photo Editing**: Click for photo editing

**Video Editing**: Click for video editing and rearrangement

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**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.

![Joystick Setting Diagram](image)

**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.

![Joystick Setting Diagram](image)

**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. For outdoor flight, it is suggested to use Intermediate or Advanced mode under Sensitivity Setting.

![Sensitivity Setting Diagram](image)
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 lower than 25%, the battery LED indicator will flash, the APP interface will prompt "Battery Low" message. When the power less than 15% the aircraft will automatically land. The maximum control distance is about 100 meters and the maximum control height is 20 meters. If the Standard version aircraft flying out of the range and lost connection, the aircraft will automatically land. If the GPS version aircraft flying out of the range and lost connection, it will return home when the HDOP value is less than 1.0, otherwise it will auto landing.

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.
4. In case of the propeller does not completely stop, it is strictly prohibit to press downward, push, or shake the aircraft, otherwise it may cause the aircraft out of control, or lost the signal.
5. Do not fly in a dark environment or at night, this is to avoid affecting the operation of the aircraft vision system which led to the aircraft out of control, or lost the signal.

WARNING
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 or call the National Service Hotline 400-960-1112