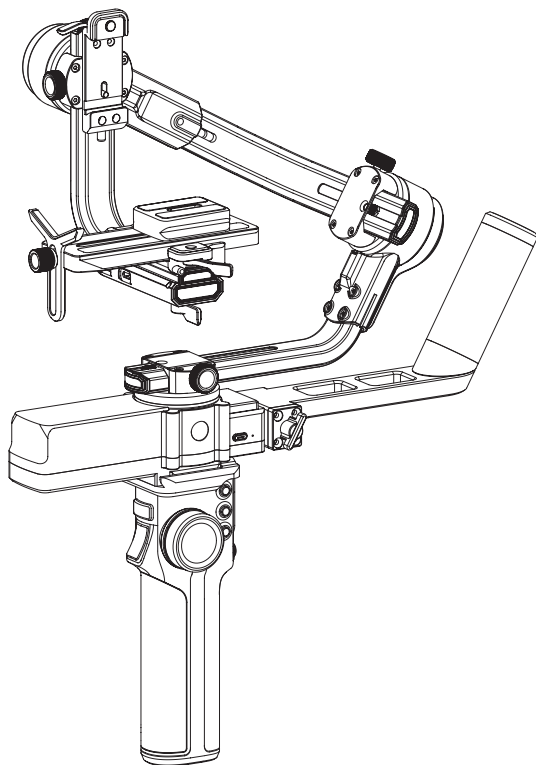




**Manfrotto**  
**Imagine More**



**INSTRUCTIONS**

**MVG300XM**

# Catalogue

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# Introduction

MVG300XM is a professional 3-axis Gimbal specially designed for DSLR and mirrorless cameras and compatible with the most popular cameras on the market. It is designed with a detachable versatile arm handle, supporting single hand and low angle shooting, and can be mounted on a tripod and other accessories.

MVG300XM features function buttons and an LCD touch screen, which can switch the Gimbal working mode, control rotation and allow parameter setting with one hand. The camera shutter cable supplied can be used to control photography, video recording and electronic follow focus directly on the Gimbal.



Download the Manfrotto Gimbal 300XM App





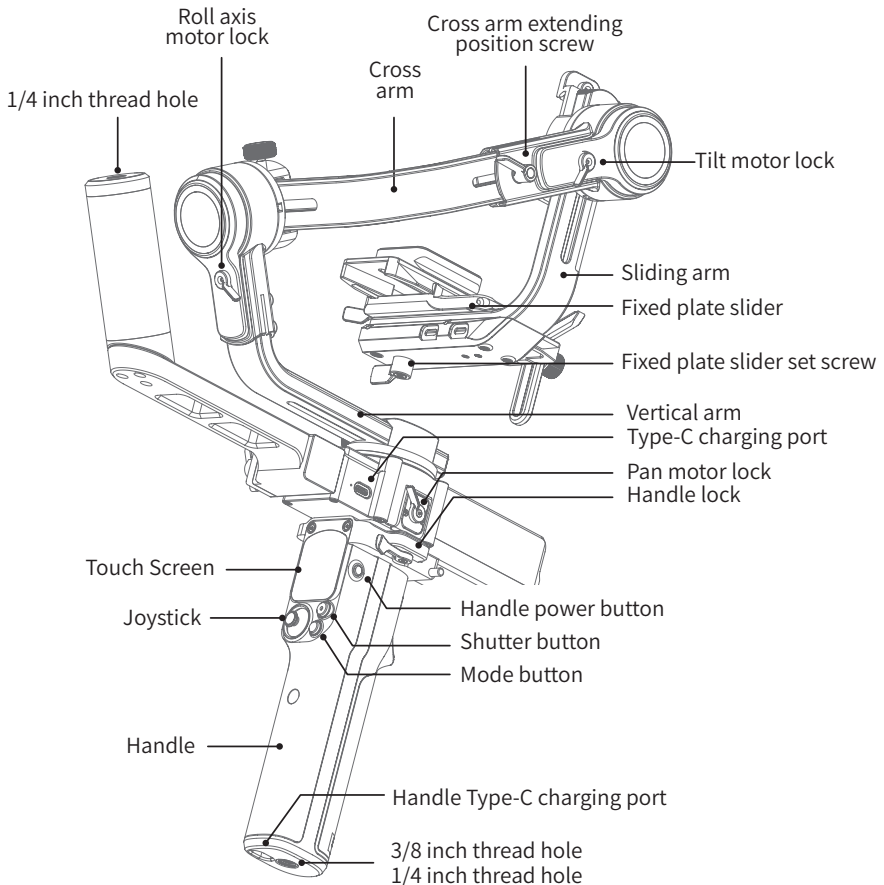
Please read the manual carefully before using.

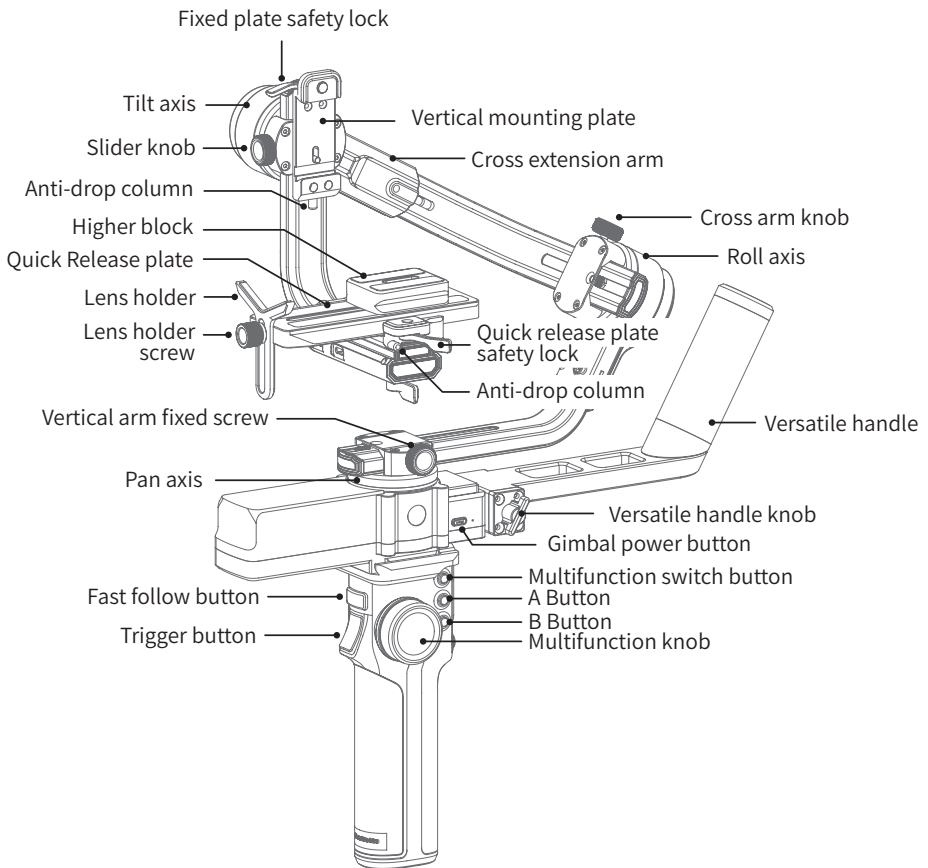
### TIPS

- (1) Install the camera before you **power on** the gimbal.
- (2) Gimbal and handle must be set to **power off** before connecting or disconnecting them.
- (3) When the battery is low, please charge the gimbal.
- (4) In case of prolonged periods of disuse, **power off** the gimbal.

## 1. Product overview

Detachable, multi-function, professional three-axis gimbal with touch screen designed for DSLR and mirrorless cameras.





## Specification

Max. Tilt Range	340°	Weight	About 2000g
Max. Roll Range	340°	Payload Capability	3400g <sup>①</sup>
Max. Pan Range	360°	Battery Life	10 Hours <sup>①</sup>
Tilt Follow Speed	2°/s ~ 75°/s	Battery	2500mAh
Pan Follow Speed	3°/s ~ 150°/s	Charging Time	>2.6 Hours, supports quick charging ≤18W

Compatible Cameras<sup>②</sup> Sony, Canon, Nikon, Panasonic, etc.

① In centre of gravity balanced state.

② Please refer to the list of compatible cameras and lenses.

\* This product does not include the camera.

# Accessories



USB 2.0 to Type-C  
×1



Type-C to Micro(A03)  
×1



Type-C to Mini (B02)  
×1



Type-C to Type-C (C02)  
×1



Type-C to TRS2.5 (T02)  
×1



Type-C to Multi  
Sony shutter cable  
×1



Type-C to 2.5mm Panasonic  
shutter cable (DC2.5mm)  
×1



Versatile handle  
×1



Tripod  
×1



Quick release plate  
×1



Higher block  
×1



Lens holder  
×1



Lens holder screw  
×1



Short quick release plate  
(GimBoom)  
×1



Short quick release plate  
screw  
×1




Camera fixed screw  
×3



3/8 to 1/4 inch transition  
screw (In the tripod)  
×1

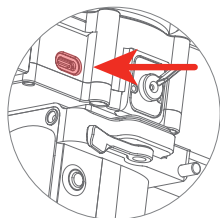
## 2. Getting started

### 2.1 Charging

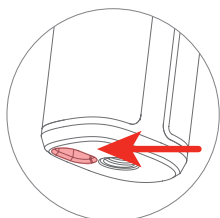
-  Be sure to fully charge the gimbal before the first use.  
If the battery is very low, we suggest you charge it straight away.

Charging with USB 2.0 to Type-C supports fast charging.

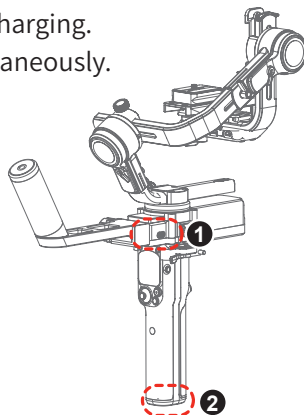
- 1 2** The charging ports can be charged simultaneously.



**1**  
Gimbal and handle  
charging when connected.  
If disconnected, for gimbal  
charging only

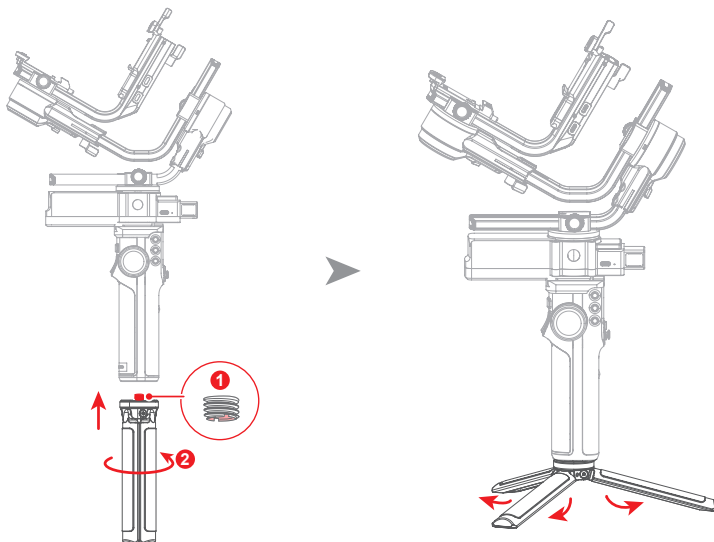


**2**  
For handle  
charging only



### 2.2 Install the tripod

Install the 3/8 - 1/4 inch thread insert on the 1/4 inch screw on the top of the tripod (The thread insert is factory mounted). Mount the tripod to the bottom of the gimbal or handle, then deploy the tripod and place the gimbal on a flat surface.

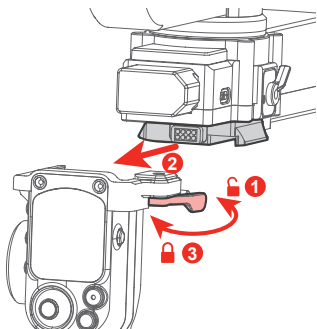


## 2.3 Installing the handle (remote control)

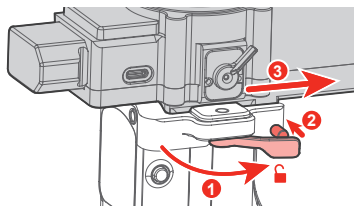
Slide the metal contact part at the bottom of the gimbal part toward the handle and tighten the handle safety lock after sliding it into the corresponding groove.

When unloading the handle, unlock the safety lock, release the anti-detachment column, and slowly push out the gimbal.

Install:



Unload:

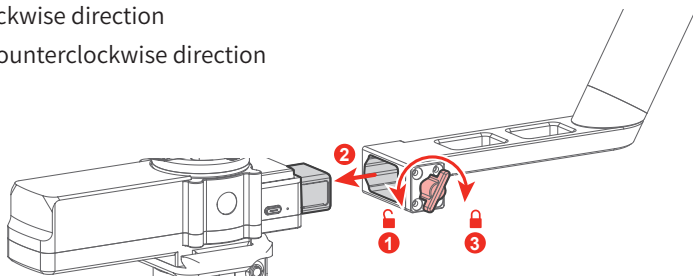


## 2.4 Installing the versatile handle

Unlock the versatile handle screw, insert the versatile handle into the base of the gimbal (proceed as shown in the figure), then tighten the setting screw.

 **Lock:** clockwise direction

 **Unlock:** counterclockwise direction



## 2.5 Motor lock

Each of the three rotating axes has one positioning lock for convenient positioning and storage purposes.

The gimbal is folded by default, please toggle the tilt lock, roll lock, and pan lock levers to the unlocked position and adjust the gimbal position to **Balanced lock status** (see Figure 2.5-1), and then toggle the three locks to the locked position.



Be sure to unlock them before using the gimbal.



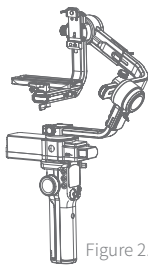
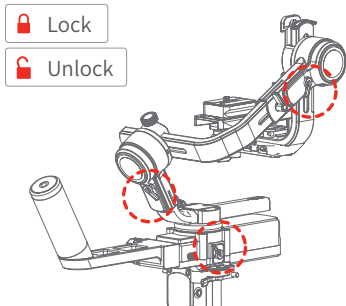


Figure 2.5-1

Balanced lock

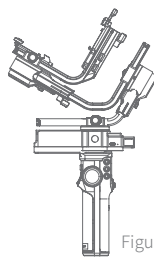


Figure 2.5-2

Stored lock

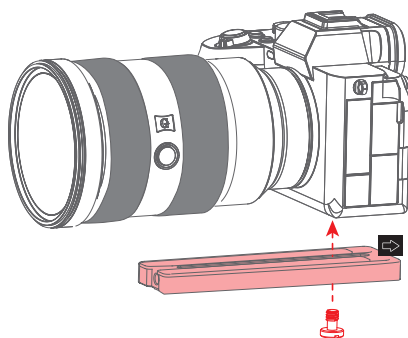
### 3. Installing the camera

Before Installing the camera, make sure it is ready for shooting (Install the camera lens, remove the lens cap, ensure the memory card and battery are inserted in the camera, and the battery is fully charged), complete all the steps mentioned in chapter “2. Getting started” and make sure the gimbal is adjusted to **Balanced lock status** (see Figure 2.5-1). Make sure the gimbal is powered off or in sleep mode before installing the camera.

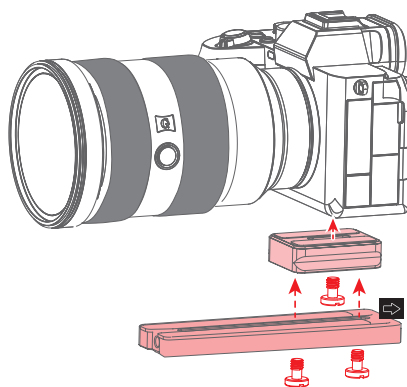
#### 3.1 Attaching the quick release plate and higher block (optional)

Attach the quick release plate to the camera by tightening the screw.

The user can choose to attach the higher block as needed (e.g. when using a long or heavy lens). Attach the higher block to the camera, then attach it to the quick release plate by tightening the 2 screws.



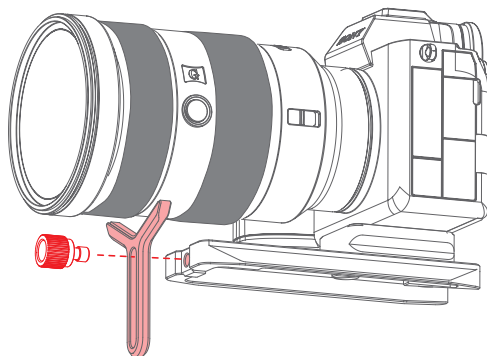
Attach with quick release plate only



Attach with higher block and quick release plate

## 3.2 Installing the lens holder (optional)

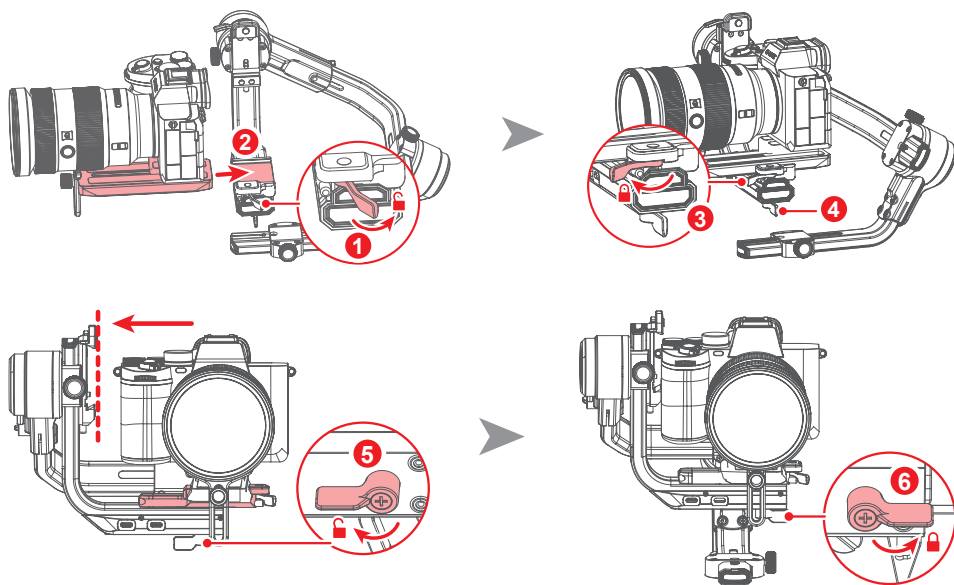
Install the lens holder on the quick release plate as needed, the lens holder rubber mount must be directly under the lens. It is recommended to use the lens holder when using a long or heavy lens.



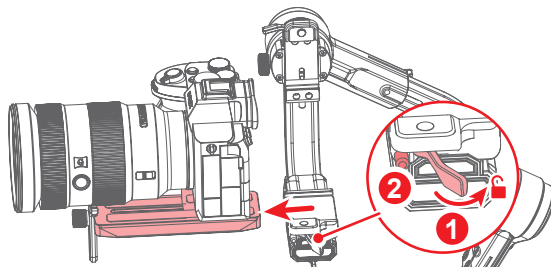
## 3.3 Mounting the camera on the gimbal

### Horizontal Installation

Unlock quick release plate safety lock ①, push the plate with the mounted camera into the slot ② in the direction of the arrow, lock safety lock ③ once the camera is approximately balanced. The sliding block position can be adjusted according to the size of the camera and the higher block selected ④. Unlock slider lock ⑤ to move the camera left or right according to its width, then secure slider lock ⑥. It is recommended to push the camera as close as possible to the tilt axis.

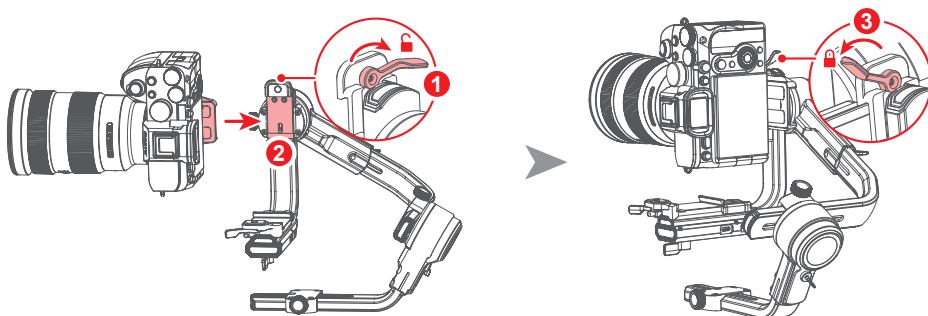


**Removal:** unlock quick release plate safety lock ① , remove the quick release plate while pressing anti-drop column ② .

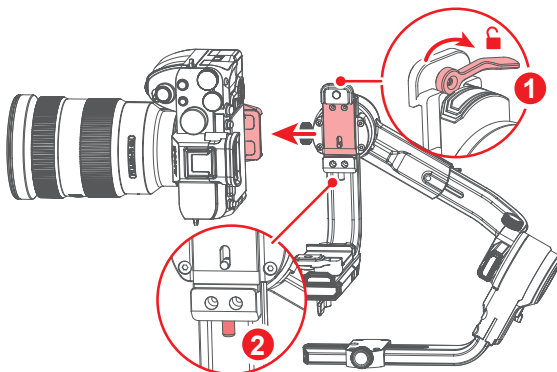


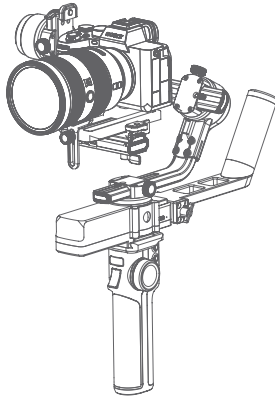
## **Vertical Installation**

Unlock quick release plate safety lock ① located on the vertical mounting plate, push the plate with the camera mounted into slot ② , lock safety lock ③ once the camera is approximately balanced.

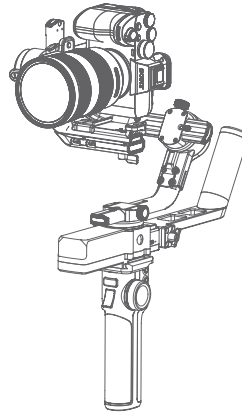


**Removal:** unlock quick release plate safety lock ① located on the vertical mounting plate, remove the quick release plate while pressing anti-drop column ② .





Horizontal configuration



Vertical configuration

## 4. Gimbal balancing



Before balancing the gimbal, please lock it at balanced lock status, then unlock each axis position lock in stages.

### TIPS

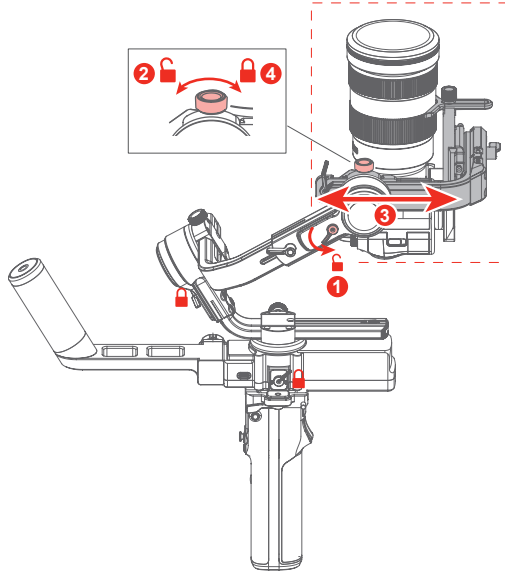
- (1) The lens cap should be removed from the camera and the memory card inserted to complete all the connections. This ensures the camera is ready for shooting.
- (2) While balancing the gimbal, make sure the camera and gimbal are powered off.
- (3) If you need to add accessories after balancing is completed, the gimbal must be re-balanced.
- (4) Standard balanced mode: the camera will remain stable at any angle.
- (5) **It is recommended to hold up the camera first, then move the sliding arm, cross arm and vertical arm.**

Use the horizontal balancing adjustment as an example.

## 4.1 Balancing the tilt axis

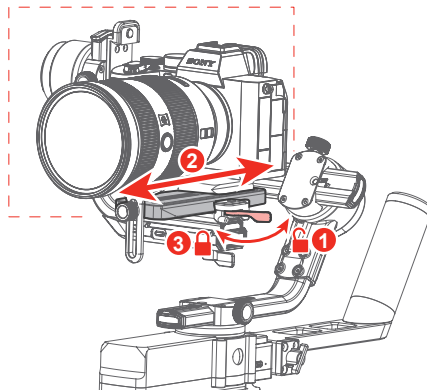
### 4.1.1 Adjusting the sliding arm

- ① Unlock the tilt axis, turn the camera lens upwards.
- ② Unscrew the sliding arm screw.
- ③ Slide the vertical arm to balance it until the camera remains in place at any angle: balancing successful.
- ④ Tighten the sliding arm screw.



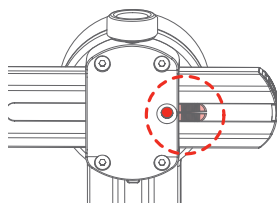
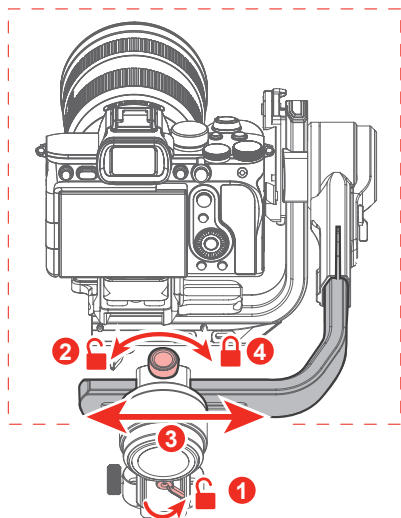
### 4.1.2 Adjusting the quick release plate

- ① Push the camera lens forward, unlock the quick release plate safety lock.
- ② Move the quick release plate to the camera balancing position.
- ③ Lock the quick release plate with the fixed plate safety lock.



## 4.2 Balancing the roll axis

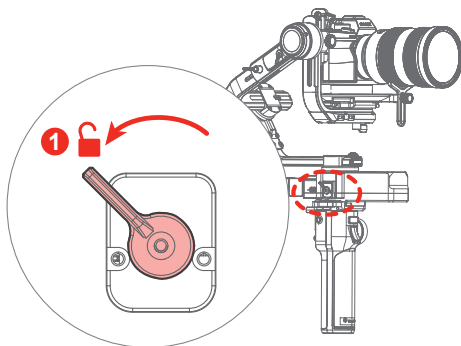
- ① Unlock the roll axis motor lock.
- ② Unscrew the cross arm screw.
- ③ Move the cross arm to the balancing position.
- ④ Tighten the cross arm screw.

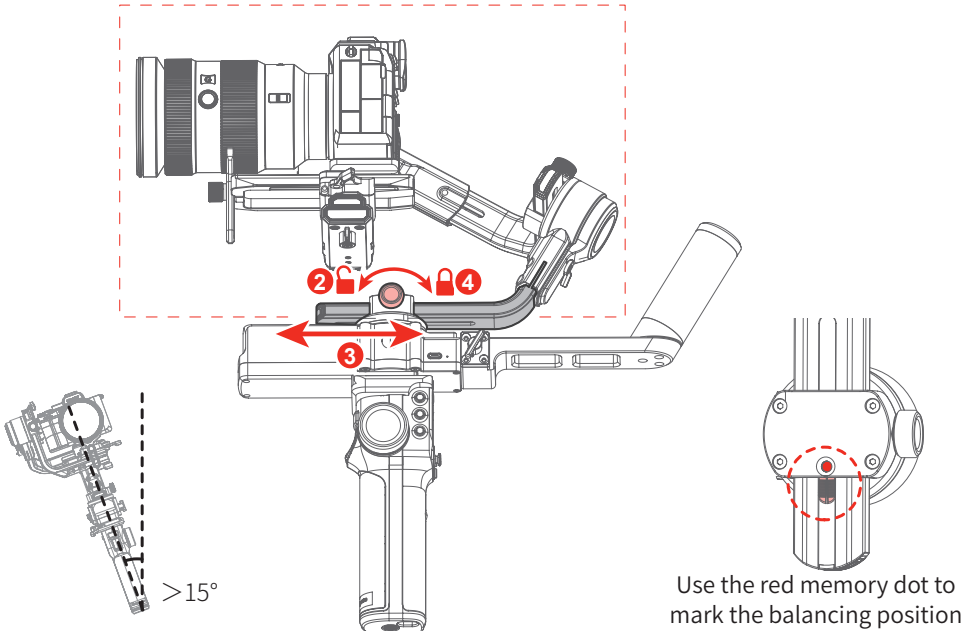


Use the red memory dot to mark the balancing position

## 4.3 Balancing the pan axis

- ① Unlock the pan axis motor lock.
- ② Hold the handle and tilt it ( $>15^\circ$ ), position the vertical arm horizontally, unscrew the vertical arm screw.
- ③ Move the vertical arm to the balancing position.
- ④ Tighten the vertical arm screw.





## 5. Power ON/OFF & Wake up

### 5.1 Power ON/ OFF

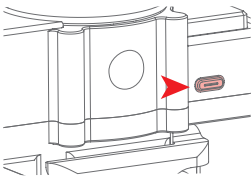
**⚠** Be sure to unlock the position lock before using the gimbal.

Long press the power button to power on/off.

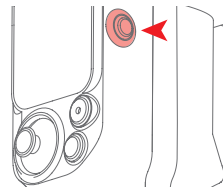
On the first use, connect the gimbal to the handle then power it on. It can automatically generate pairing information, when separate, the handle can remote control the gimbal.

#### **After successful pairing:**

- Any power button can power off the gimbal.
- When combined, any power button can power on the gimbal. When separate, power on each component separately.



Gimbal power button

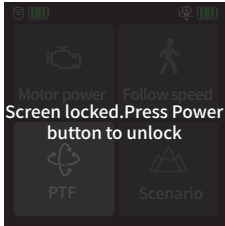


Handle power button

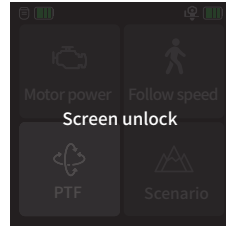
## 5.2 Lock & Unlock

**Lock the screen:** single tap any power button to lock the touch screen.

**Unlock the screen:** single tap any power button again to unlock it.




Lock the screen

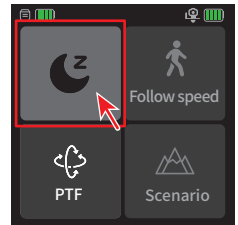


Unlock the screen

## 5.3 Standby & Wake up

**Standby mode:** double tap any power button for standby mode.

**Wake up mode:** in standby mode, single tap any power button or tap the icon  on the touch screen to wake up the gimbal.



# 6. Function / Modes introduction

## 6.1 Follow mode introduction

① **PF mode:** pan follow (Default mode)

Only the pan axis follows the movement of the user's hand

② **PTF mode:** Pan and tilt follow

Both the pan and tilt axes follow the movement of the user's hand, but the roll axis does not.

③ **FPV mode:** pan, tilt and roll follow

All 3 axes follow the movement of the user's hand.

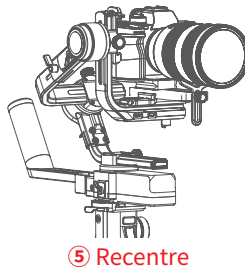
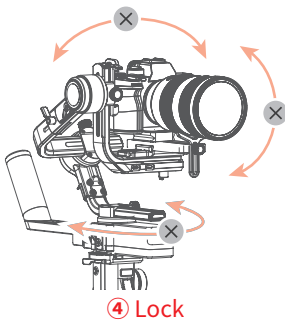
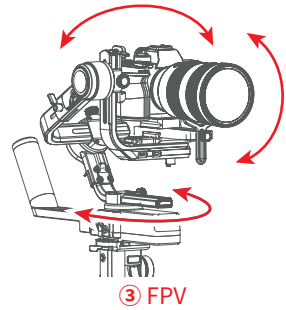
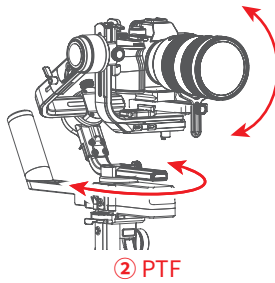
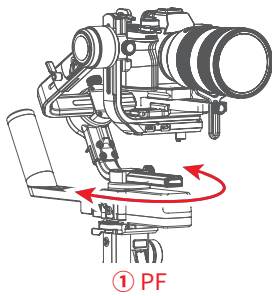
④ **Lock mode**

None of the 3 axes follow the movement of the user's hand, the gimbal keeps the camera direction fixed



## ⑤ Recentre

Three axes return to default position.



## 6.2 Other function introduction

### **Gyro mode** (refer to chapter 8.2)

When the gimbal and handle are successfully paired and separated press and hold the M button to enter gyro mode, the handle can simulate the joystick to control the tilt and pan angle. Release the M button to exit.

### **Inception mode** (refer to chapter 8.5.5)

The camera can shoot auto rotation and shoot inception effects according to the rotation speed and direction setting.

### **Portrait mode** (refer to chapter 8.5.7)

Camera portrait shooting. This mode can be used for portrait shooting, video or live streaming.

### **Selfie mode** (refer to chapter 8.5.8)

The camera lens rotates 180° horizontally for selfies.

## **Track video** (refer to chapter 8.5.9)

Generate track video according to the set multiple waypoints.

## **Manual lock** (refer to chapter 8.5.11)

Manually move the camera to the desired position and hold it for at least half a second. New tilt and/or pan positions are saved automatically.

# 7. Connecting the App



Download the Manfrotto Gimbal 300XM App

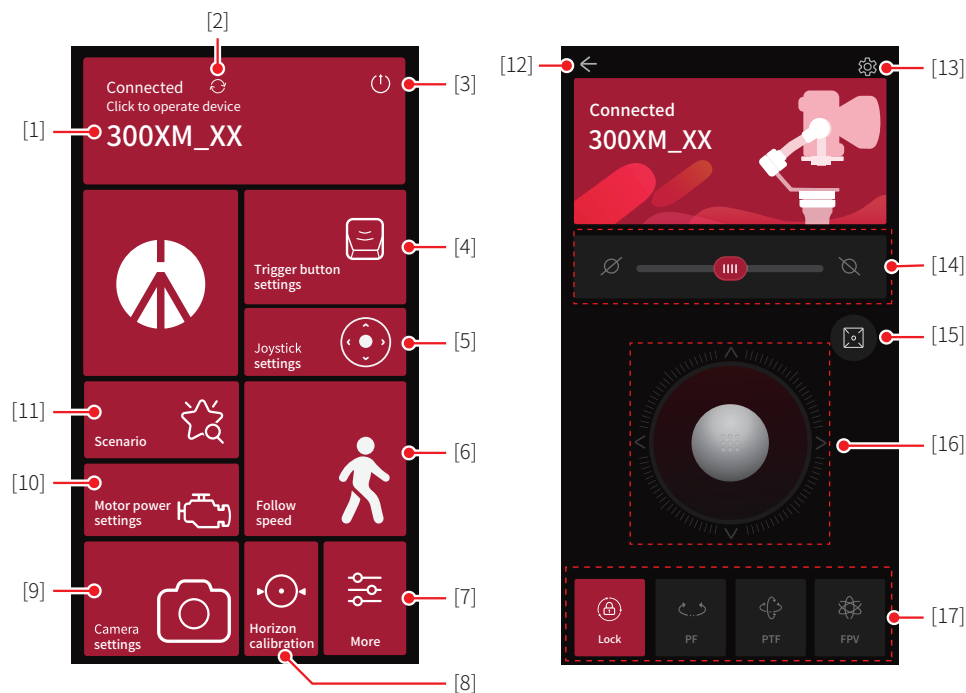


## **Connect Manfrotto Gimbal 300XM App**

(1) Power on the Gimbal.

(2) On a smartphone, enable Bluetooth and open the Manfrotto Gimbal 300XM App, click the top of the home page to connect to the gimbal.

Once the connection is successful, the gimbal can be controlled via the App, including remote direction, switching mode, setting motor power/camera parameters/follow speed, and setting other functions and parameters, updating the firmware and so forth.



### [1] Gimbal control operation interface

Displays the currently connected product name; click to enter the gimbal operation interface: you can simulate the joystick, switch on the gimbal follow mode, manually adjust the roll angle, etc. When not connected, you will be prompted to connect to the gimbal.

### [2] Switch the connected device

Refresh the connected device or switch to connect to other compatible devices.

### [3] Exit the current connection

Click to exit the currently connected gimbal.

### [4] Trigger button settings

The trigger button function can be set as PTF/FPV/Lock/Fast follow.

### [5] Joystick function settings

The joystick can be set to pan/tilt reverse, and pan/tilt speed.

### [6] Follow speed settings

The follow speed can be set to slow/med/fast, or custom speed.

### [7] More

Check for the latest firmware, and update if needed. Restore the default settings.

### [8] Horizon calibration


Manual or auto calibration.

### [9] Camera settings

You can set the camera aperture, shutter and ISO parameters.

### [10] Motor power settings

The pan, tilt and roll power can be set, respectively, or you can click "Adapt" to adapt to the motor power automatically.

 If the camera is used for the first time or has been replaced, adjust motor power adaptation after power on.

### [11] Scenarios

Inception mode (Can be used to achieve rotating footage, used frequently in movie Inception), panorama, timelapse (Motionlapse/Static timelapse/Hyperlapse), track video and other usage scenarios for user.

### [12] Return

Return to the previous level.

### [13] Firmware update

Firmware upgrades to the device.

### [14] Horizontal Angle Settings

Move the slider to adjust the roll axis angle, i.e. the current horizontal angle.

### [15] Recenter

Click to return the 3 axes to their default positions.

### [16] Simulated joystick

The simulated joystick controls the tilt, roll angle of the gimbal.

### [17] Follow mode settings.

Setting the current follow mode.

## 8. Operation

### 8.1 Button operation

#### 8.1.1 Gimbal power button

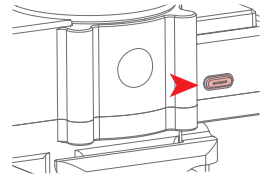
##### Long press:

Power on/off the combined system (Handle connected to gimbal)

Power on/off the gimbal (Handle and gimbal are separate)

**Single tap:** Wake up

**Double tap:** Enter standby mode



#### 8.1.2 Handle power button

##### Long press:

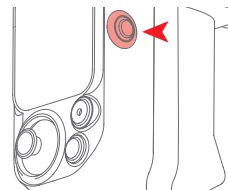
Power the combined system on/off (Handle connected to gimbal)

Power the handle on/off (Handle and gimbal are separate)

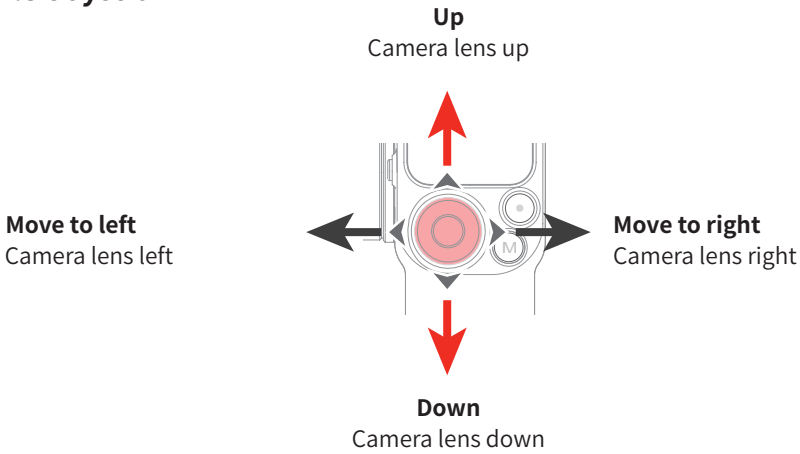
Power the combined system off (After successful pairing)

**Single tap:** Wake up

**Double tap:** Enter standby mode



### 8.1.3 Joystick



### 8.1.4 Mode button (M button)

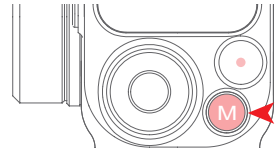
**Single tap:** PF mode/Lock mode (Switch in turn)

**Double tap:** PTF mode

**Triple tap:** FPV mode

**Press and hold\*:** Gyro mode (Release to exit)

**\*Handle and gimbal are separate**



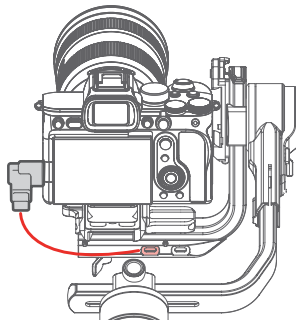
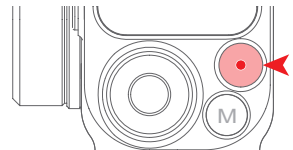
### 8.1.5 Shutter button\*

**Press half-way:** Focus

**Single tap (full press):** Start/stop recording

**Long press (full press):** Take photo

**\*Must be connected via the camera shutter cable. Refer to the list of compatible cameras.**



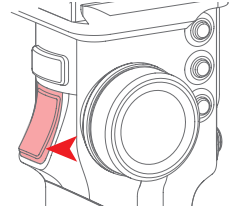
## 8.1.6 Trigger button

**Double tap:** Recentre

**Triple tap:** Enter/Exit selfie mode (Pan axis 180° turn)

**Press and hold:** Enter PTF mode\* (Release to exit)

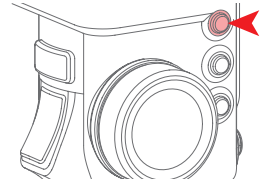
**\*You can customize the function via the APP**



## 8.1.7 Knob function switching button

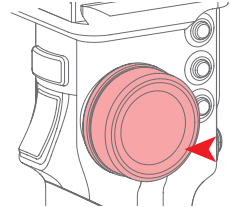
**Long press:** switch the multifunction knob control options between electronic follow focus and movement of the 3 axes.

**Single tap:** after selecting with a long press, movement of the 3 axes switches between the pan, tilt, and roll axes.(when it is set up to control one of the movements of the 3 axes)

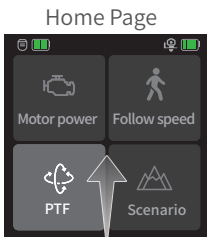


## 8.1.8 Multifunction knob

- Turn:** (1) Control movement of the roll, tilt and pan axes  
(when it is set up to control one of the movements of the 3 axes).  
(2) Control electronic follow focus\*  
(when it is set up to control the electronic follow focus).  
(3) Adjust the parameter on the touch screen.

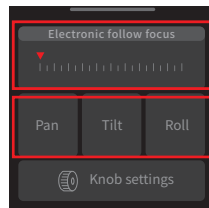


**\*After connecting your camera.**  
**Refer to the list of compatible cameras.**



Slide up

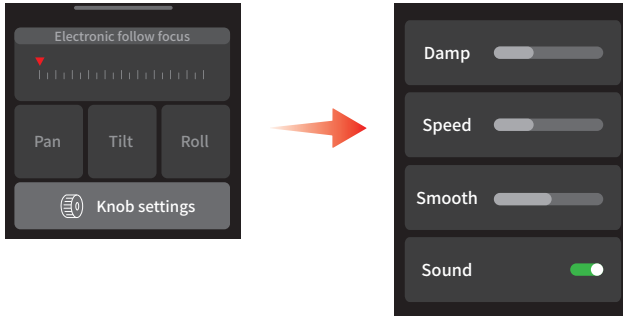
Multifunction knob settings



- Turn the knob to control the electronic follow focus
- Turn the knob to control the direction

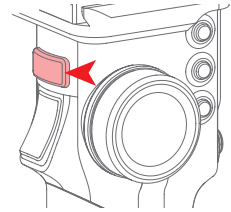
## **Knob settings:**

Slide up to select the "Knob settings" option. Here, you can set knob damping/speed/smoothness.



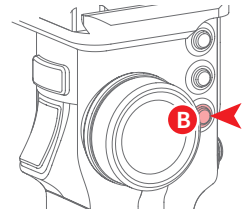
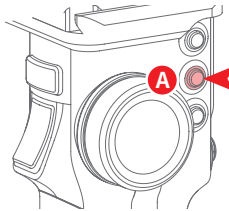
### **8.1.9 Fast follow button**

**Press and hold:** Enter fast follow mode (Release to exit)



### **8.1.10 A/B button**

The A/B button can record the Mark point: once recorded, the motion tracks from A to B will be generated automatically.



## **Steps:**

(1) **Record point A:** confirm the tilt, roll and pan angle position with the joystick or manually pull the camera to the desired position and remain there for 1s. At this point, a long press of button A will record the current position as point A. The screen shows "Mark current position as A".

(2) **Record point B:** a long press of the button B will record the point B position as described above. The screen shows "Mark current position as B".

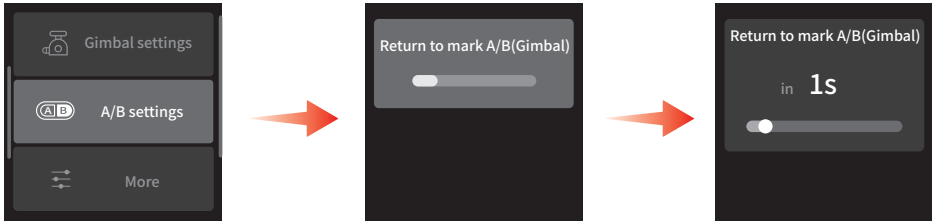
(3) **Single tap button A,** the track motion will return to point A. The screen shows "Return to mark A".

(4) **Single tap button B,** the track motion will return to point B. The screen shows "Return to mark B".

The A/B button, which can be overwritten, records only the location of the last setting.

## A/B button settings:


Slide from right to left, select the "A/B settings" option to set the time for the gimbal to return to point A/B.



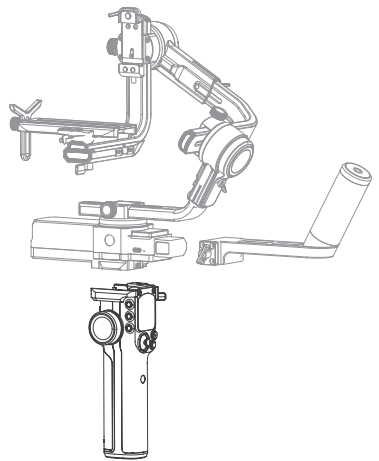
## 8.2 Remote control

The handle is a remote control. Powering on the gimbal when combined with the handle automatically generates matching information.

The next time they are used separately, the handle can remotely control the gimbal directly.

 **Gimbal and handle must be set to power OFF before connecting or disconnecting them**

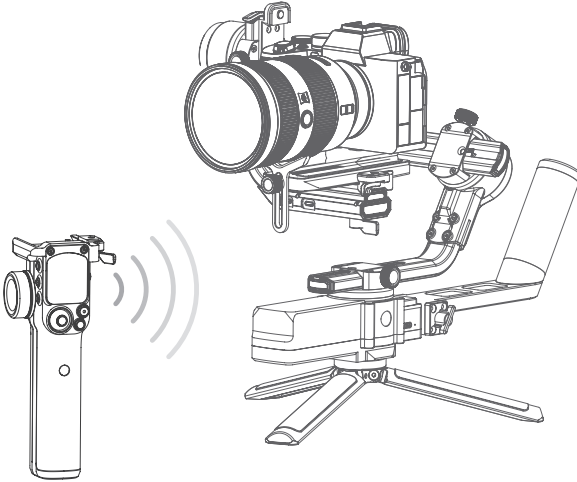
**If the pairing information is lost, please re-connect the handle to the gimbal.**





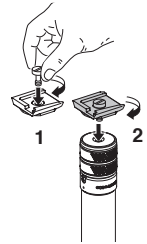
## **Steps for use of the remote control handle**

- (1)**Unloading the handle:** the gimbal can be separated from the handle only when the gimbal is set to power off (Refer to chapter 2.3 to unload the handle)
- (2)**Install the tripod:** after unloading the handle, a support, like a tripod, must be installed at the bottom of the gimbal (Refer to chapter 2.2 to install the tripod).
- (3)**Power on:** after installing the gimbal on the support, power on the gimbal and the handle
- (4)**Use the remote control handle:** wireless remote control the gimbal (within 20 meters)

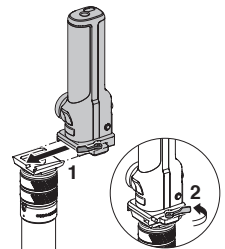


The handle when detached from the gimbal can be used in combination with the Manfrotto GimBoom (MVGBF-CF not included) using the short quick release plate.

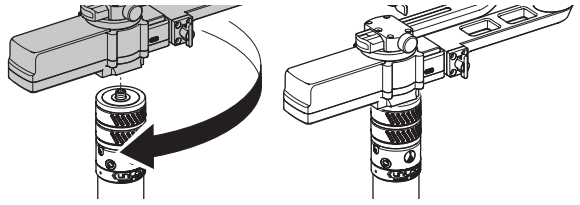
Mount the short quick release plate screw in the short release plate. Connect the short quick release plate to the bottom of the GimBoom via the 3/8 thread.



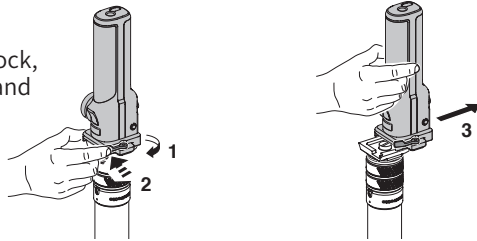
Slide the handle toward the short quick release plate and tighten the handle safety lock after sliding it into the corresponding groove.



Connect the gimbal to the top of the GimBoom using the 3/8 screw.

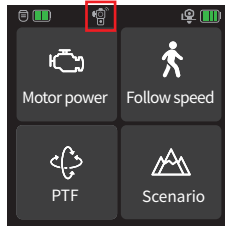


Note: To remove the handle from the short release plate, unlock the safety lock, release the anti-detachment column, and slowly push out the handle.



## **Gyro mode**

When the gimbal and handle are successfully paired and separated, press and hold M button to enter the gyro mode, the handle can simulate the joystick to control the tilt and pan angle, release the M button to exit.

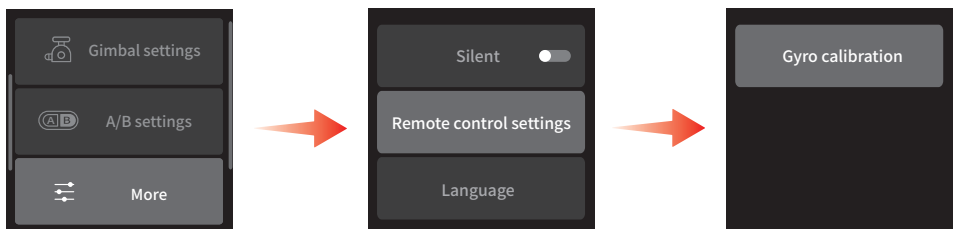


## **Gyro calibration:**

You can calibrate the gyro mode when:

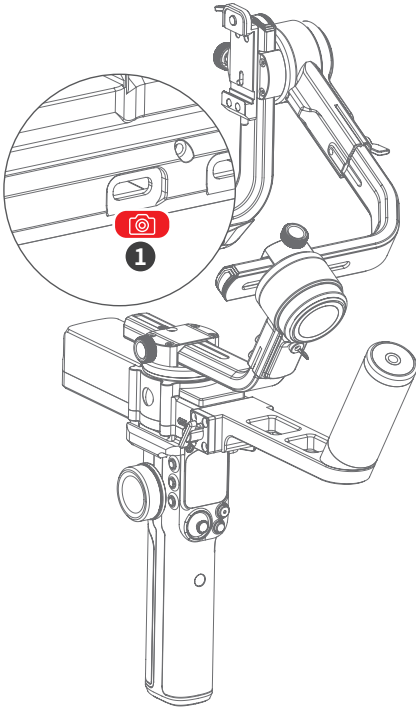
- (1) The first time using the gyro mode.
- (2) If not used for a long period of time.
- (3) In case of extreme temperature variations.

Slide from right to left, select the "More" - "Remote control settings" - "gyro calibration" option, follow the screen instructions to calibrate the gyro mode.

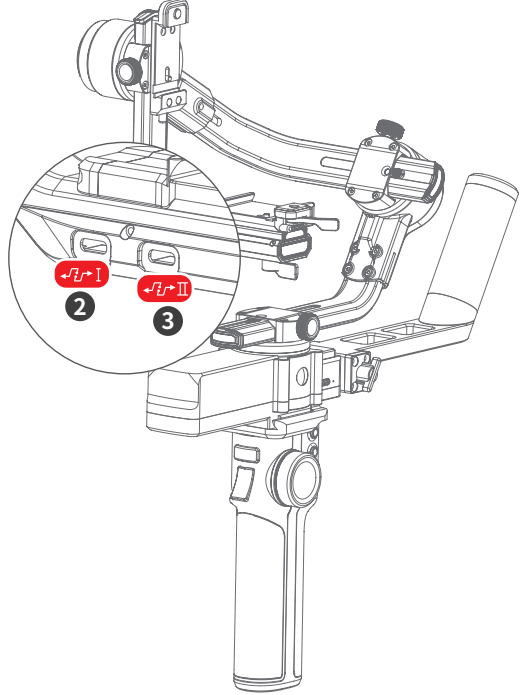


## 8.3 USB ports

With the camera shutter control interface, and two expansion interfaces, you can connect your camera and other future expansion devices.



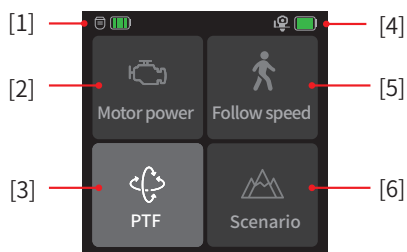
① Camera control port





② Extension port 1

③ Extension port 2


## 8.4 Touch screen introduction





 [1] **Handle battery level**  
Shows the current battery level of the handle.

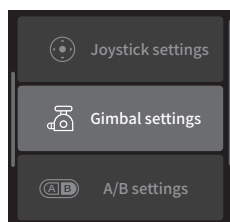
 [2] **Motor power settings**  
Use auto tune to adjust the motor power automatically or adjust motor power for each axis manually.

 [3] **Follow mode settings**  
Select gimbal follow mode

 [4] **Gimbal battery level**  
Show the current battery level of the gimbal.

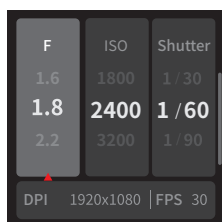
 [5] **Follow speed settings**  
The user can select different gimbal follow speed profiles or custom follow speed.

 [6] **Scenario**  
Select usage scenario.



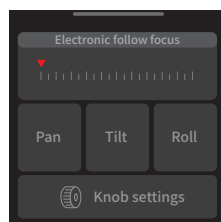
**Slide from right to left**

Joystick, gimbal, knob and more settings



**Slide from left to right**

Shooting parameter settings\*



**Slide up**


Multifunction knob settings

- **Return to previous menu:** Slide to right

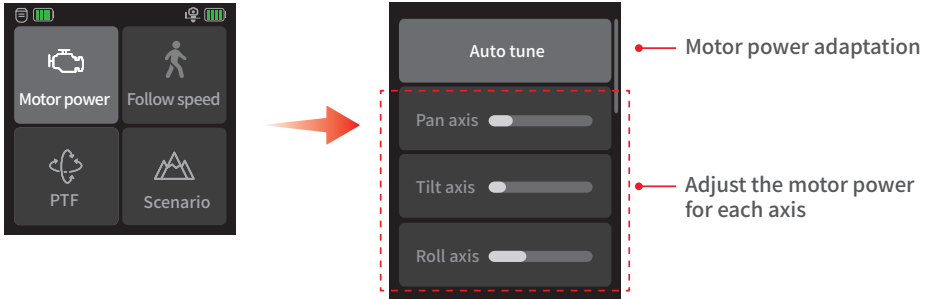
**\*Please refer to the list of compatible cameras.**

## 8.5 Function operation

### 8.5.1 Motor power settings

 If the camera is used for the first time or replaced, please adjust motor power adaptation after power on.

Select the "Motor power" option, select "Auto tune", or adjust the motor power for each axis.



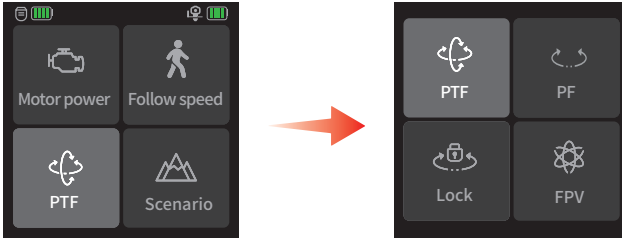
### 8.5.2 Follow speed settings

Select the "Follow speed" option, you can select slow/med/fast speed, or custom follow speed and dead zone.



### 8.5.3 Follow mode settings

Select the option in the lower left corner. Select one of these follow modes.



**PF:** Pan follow: only the pan axis follows the movement of user's hand



**PTF:** Pan and tilt follow: both the pan and tilt axes follow the movement of user's hand, but the roll axis does not.



**FPV:** Pan, tilt and roll follow: all 3 axes follow the movement of user's hand.

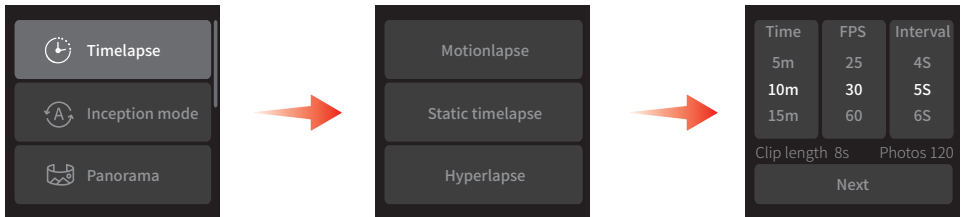


**Lock:** None of the 3 axes follow the movement of user's hand, the gimbal keeps the camera direction fixed.

### 8.5.4 Timelapse mode settings

Select the "Scenario" - "Timelapse" option. Select one of the following timelapse modes to shoot automatically and synthesize the timelapse video.

\*A compatible camera must be successfully connected



Select timelapse mode

Setting parameters

**Motionlapse:** Track timelapse shooting by the set waypoint.

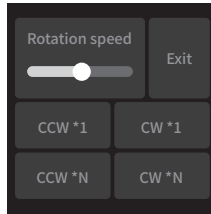
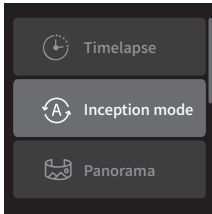
**Static timelapse:** Timelapse shooting at the defined fixed angle.

**Hyperlapse:** Moving timelapse shooting.

## 8.5.5 Inception mode settings

Select the "Scenario" - "Inception Mode" option.

The tilt axis turn 90° counterclockwise, at this time, the camera lens is up, after setting the rotation speed, select the rotation direction and number of circles, click "Exit" to exit.



**CCW:** Counterclockwise

**CW:** Clockwise

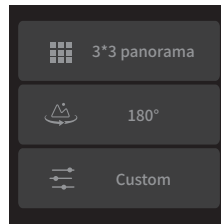
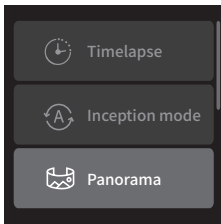
**\*1:** Turn a circle

**\*N:** Infinite rotation

## 8.5.6 Panorama mode settings

Select the "Scenario" - "Panorama" option.

Users can choose different panorama modes: 3x3/ 180°/ Custom.



**3x3:** 3 images above in every three layers combine to form one image.

**180°:** 4 lateral images - combine to form one image.

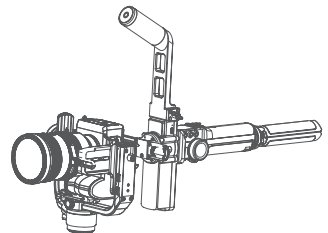
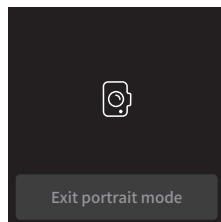
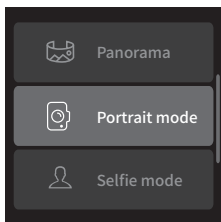
**Custom:** Users can customize setting parameters like hora/vert angle, focal length, overlap, interval, press settings to combine to create one image.

## 8.5.7 Portrait mode settings

Select the "Scenario" - "Portrait mode" option.

The tilt axis and pan axis both turn 90° counterclockwise, with the camera lens facing up.

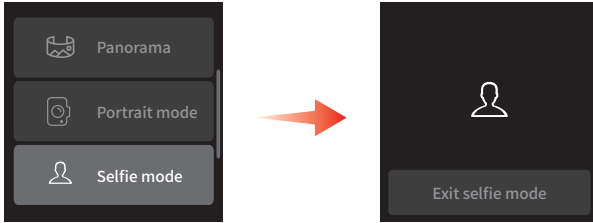
Hold the versatile handle parallel to the ground to create a portrait. Click the button to exit the mode.



## 8.5.8 Selfie mode settings

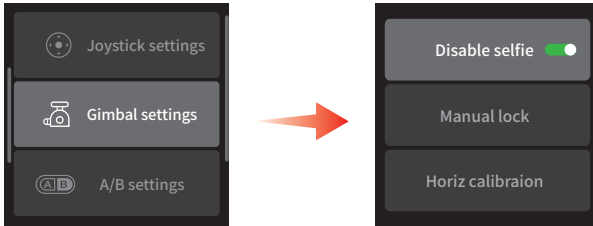
Select the "Scenario" - "Selfie mode" option.

Take a selfie by turning the pan axis 180° counterclockwise, with the camera lens facing at you. Click the button to exit the mode.



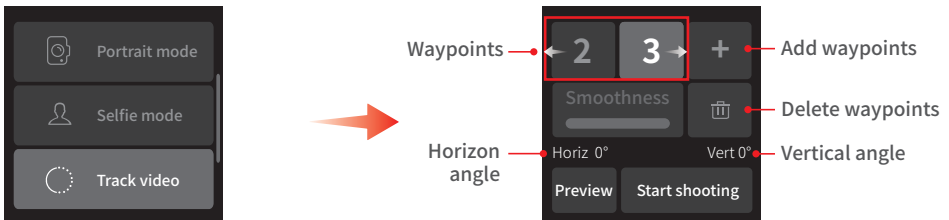
## Disable selfie

Slide from right to left, select the "Gimbal settings" - "Disable selfie" option, to set selfie mode on/off.



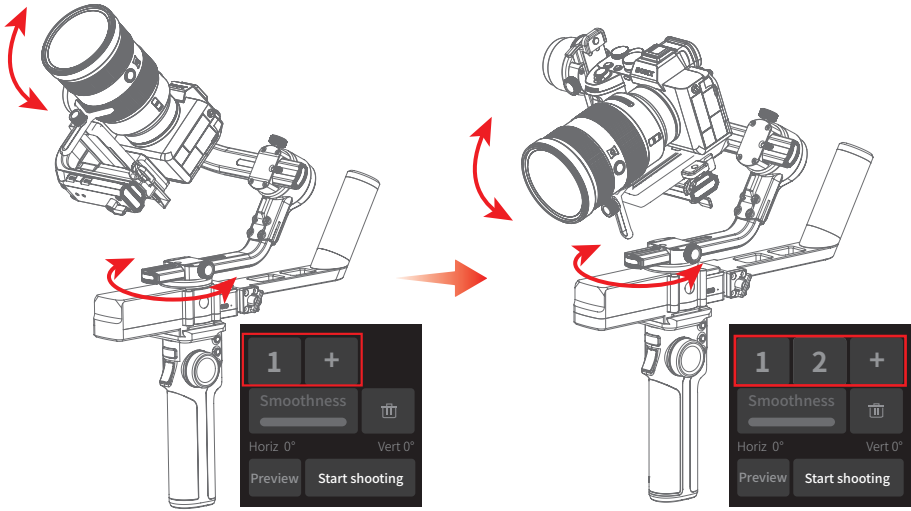
## 8.5.9 Track video settings

Select the "Scenario" - "Track video" option, multiple waypoints can be set by the user to generate a track video.

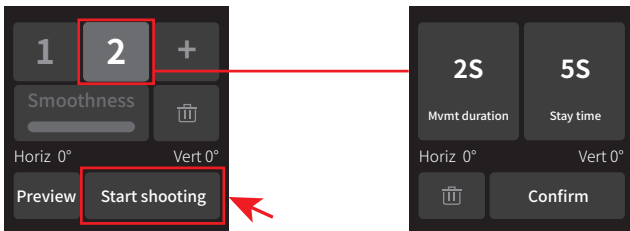


Use the joystick or manually pull the tilt axis and pan axis to the angle you need, click "+" to record the current position as a waypoint. Continuing in this manner, add the next waypoint. The system supports recording of up to 10 waypoints.

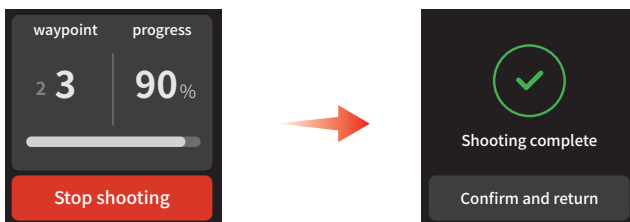




Select a location point, you can quickly view the recorded location. The movement duration (2~300 seconds) and stay time (0~300 seconds) of these waypoints can be set, except the first waypoint where only the stay time can be set. To delete any waypoints, select the desired one and click to delete that waypoint.

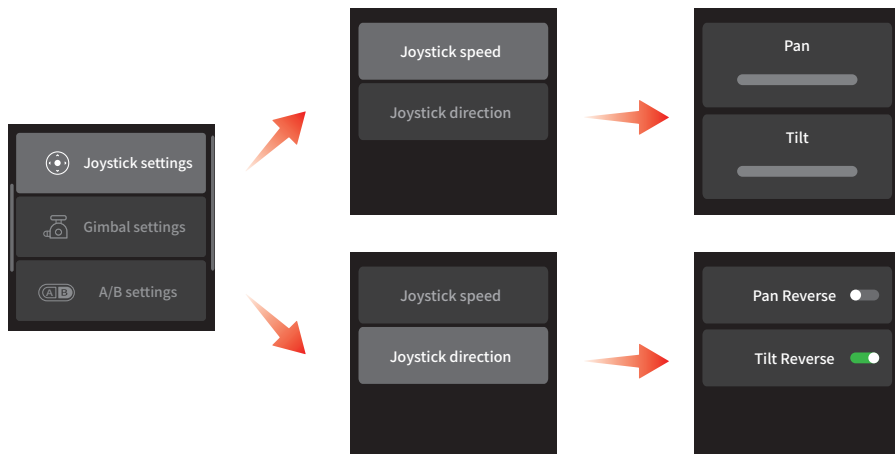


Click the "Start shooting" button to start shooting after completed settings. The screen shows shooting progress. If you need to stop while shooting, click "Stop shooting". After shooting, click "Confirm and return" to exit.



## 8.5.10 Joystick settings

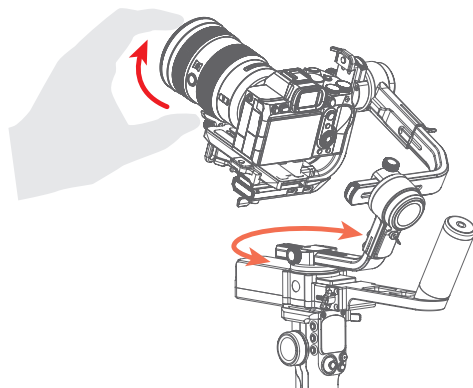
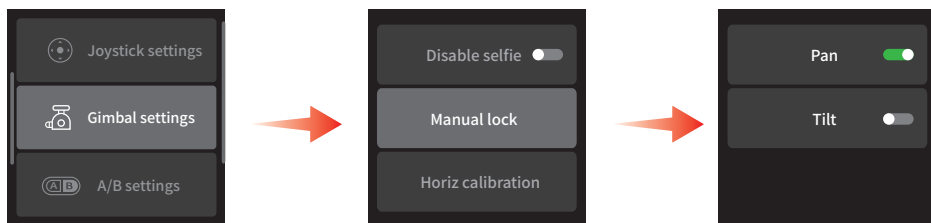
Slide from right to left, select the "Joystick settings" option to set joystick speed and direction / reverse to on/off.



## 8.5.11 Manual lock

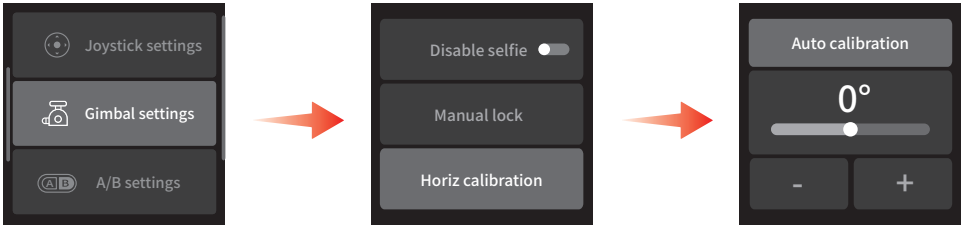
Slide from right to left, select the "Gimbal settings" - "Manual Lock" option, to set the manual lock direction.

Manually move the camera to the desired position and hold for a second. New tilt and/or pan positions are saved automatically.



## 8.5.12 Horizon calibration

Slide from right to left, select the "Gimbal settings" - "Horiz calibration" option.  
It is recommended to select "Auto calibration" or manual calibration.

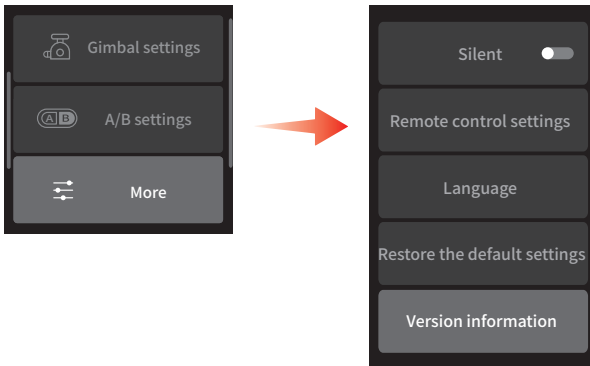


### You should perform horizon calibration when:

- (1) The camera is not balanced.
- (2) Following prolonged disuse.
- (3) In case of extreme temperature variations.

## 8.5.13 More settings

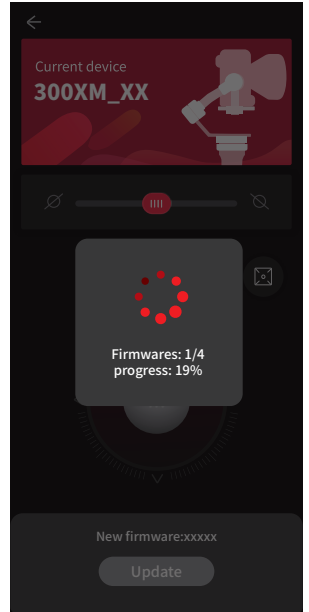
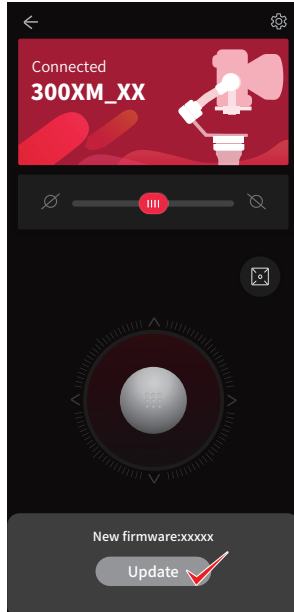
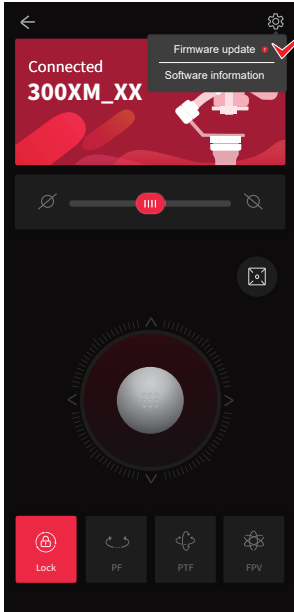
Slide from right to left, select the "More" option to set silent/ remote control settings/ language/ restore the default settings/ version information.



## 8.6 Firmware update

Update the firmware via the Manfrotto Gimbal 300XM App.

After connecting the gimbal, click the top of the home page to operate the device, select the icon in the upper right corner, select the "Firmware update" option, follow the prompts to upgrade the firmware.



# Disclaimer

Thanks for using Manfrotto gimbal (Manfrotto is a TM registered under Videndum Media Solutions Spa "Videndum"). The information in this document affects your safety and your legal rights and responsibilities. Read the entire document carefully to ensure proper configuration before use, Failure to read and follow instructions and warnings in this document may result in serious injury to yourself or others, or damage to your products or damage to other objects in the vicinity. By using this product, you hereby signify that you have read this disclaimer and warning carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all applicable laws, rules, and regulations, and all terms, precautions, practices, policies and guideline Videndum has made and may make available. Videndum accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of product.

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Videndum makes no warranty and shall not be liable for any errors on information contained in this document.

Any changes or modifications not expressly approved by Videndum could void the user's authority to operate this equipment.

## Notice

1. Make sure motor spinning is not blocked by external force when gimbal is power on.
2. Gimbal DO NOT contact water or other liquid if the gimbal is not mark waterproof or splash-proof. Waterproof and splash-proof product DO NOT contact sea water or other corrosive liquid.
3. DO NOT disassembly the gimbal except is detachable available. It need send to Videndum after-sales or authorized service center to fix it if you accidentally disassembly and cause abnormal work. The relevant costs are borne by user.
4. Prolonged continuous operation may cause the motor surface temperature to rise, please operate carefully.

## Storage and Maintenance

1. Keep the gimbal and battery out of the reach of children and pets.
2. DO NOT leave the gimbal and battery near heat sources such as a furnace or heater. DO NOT leave the gimbal and battery inside of a vehicle on hot days.
3. Please storage the battery in dry environment.
4. DO NOT overcharge or overuse the battery, otherwise it will cause damage to the battery core.
5. Never use the gimbal and battery when the temperature is too high or too low.
6. Please take out batteries from gimbal if long time without using gimbal.

## Battery Safety Guidelines

1. To avoid fire, serious injury, and property damage, observe the following safety guidelines when using, charging or storing the battery.
  - (1) DO NOT allow the battery to come into contact with any kind of liquid. DO NOT leave the battery out in the rain or near a source of moisture. DO NOT drop the battery into water.
  - (2) If the battery falls into water by accident, put it in a safe and open area immediately. Maintain a safe distance from the battery until it is completely dry. Never use the battery again.
  - (3) If batteries catch fire, use water, water mister, sand, fire blanket, dry powder, carbon dioxide fire extinguisher to extinguish the fire immediately. It is prone to explosion after a large fire. Please choose the fire extinguishing method according to above recommended order according to the actual situation.
  - (4) DO NOT use or charge swollen, leaky or damage battery.
  - (5) DO NOT disassemble or pierce the batteries in any way or the battery may leak.
  - (6) DO NOT drop or strike batteries. DO NOT place heavy objects on the battery or charger.
  - (7) DO NOT use the battery if it falls.
  - (8) DO NOT heat batteries.
  - (9) DO NOT use the batteries in strong electrostatic or electromagnetic environments. Otherwise, the battery may occur short circuit.
  - (10) Electrolytes in the battery are highly corrosive. If any electrolytes make contact with your skin or eyes, immediately wash the affected area with fresh running water for at least 15 minutes, and then see a doctor immediately.

(11) Please use official batteries provided by Videndum. If you need to replace the battery, please purchase at Videndum's official website or authorized dealer. Videndum will not be responsible for the battery accident and device malfunction caused by batteries used from unofficial sources.

2. DO NOT drop or strike batteries. If the battery is abnormal, contact Videndum After-sales support.

### Information for users



In accordance with Article 10 of Directive 2012/19/UE of the 04/07/2012 concerning Waste Electrical and Electronic Equipment (WEEE).

The above Symbol, also present on equipment, indicates that, at such time as the user should decide to dispose of the equipment, it must NOT be disposed of as unsorted municipal waste, but must be collected separately. The same applies to all components of the equipment and any recharge or refill elements that the product may comprise.

For information on the waste collection systems suitable for this equipment, contact Videndum Media Solutions or any authorized member of the National Registers in EU countries. Household (or similar) waste may be disposed of via standard municipal differentiated waste collection schemes.

If you purchase a new version of this model or similar equipment - or if your existing equipment measures less than 25 cm - you may return the items you no longer require to your retailer who will take care of contacting the company or organization handling the proper collection and management of used equipment.

Correct separate collection and specific treatment of WEEE are necessary to avoid potential damage to human health and the environment, and favour the recycling and recovery of component materials.

Improper or illegal disposal of this product by the user will result in punishments or fines being applied in accordance with national Decrees based on Directive 91/156/EC and 2008/98/EC.

