



Powerology

**MAGWAVE 3-Axis Magnetic
Smartphone Gimbal**

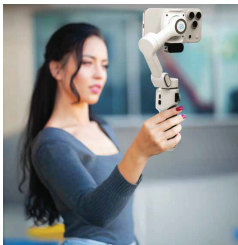
SKU: PWSMP2WH

Product Overview

MAGWAVE is a 3-axis gimbal for mobile phone, which is multi-functional and easy to use. With the help of the gimbal, the phone can shoot stable and smooth videos, achieve a variety of intelligent gimbal moves, such as Inception. Through the official app ULTRA GIMBAL, you can also experience more creative functions such as face tracking, gesture control, panoramic shooting, etc.

■ Product List :

- 1x Smartphone Gimbal
- 1x Tripod
- 1x USB-C Charging Cable
- 1x AI Module with Fill Light
- 1x Storage Pouch
- 1x Accessory Kit
- 1x User Manual



Equipment Expansion

- 1 Hold the gimbal with both hands, fold it upwards directly, and unfold the arm.



- 2 Make the device in the shape of a 7, hold the cell phone clip and turn it counterclockwise to undo the snap.



- 3 Locate the camera logo on the phone clip so that the logo is in the upper left corner.



Connect to Bluetooth

- 1 Press and hold the power button to turn it on.
- 2 Activate the Bluetooth of your phone and connect it to the "device" for use.



Parameters

Gimbal Dimensions (Unfolded)	-	283 × 131.3 × 59.6 mm
Gimbal Dimensions (Folded)	-	165 × 110 × 67.5 mm
Weight	-	398 g
Payload Capacity	-	≤ 330 g
Compatible Phone Width	-	55–80 mm
Pan Angle Range	-	360° (Unlimited rotation)
Roll Angle Range	-	260° ±5°
Tilt Angle Range	-	63° ±5°
Display Type	-	OLED status screen
Battery Type	-	Dual Li-ion 7.4V, 800mAh × 2
Battery Life	-	Approx. 6–7 hours (standby)
Charging Time	-	About 2 hours
Power Input	-	5V / 1.5A (Max)
Operating Voltage	-	7.4V
Operating Temperature	-	-10°C to 55°C
Model Number	-	PWSMP2WH

*The above data are laboratory test data. Under different test conditions, there may be different errors, please refer to the experience of the actual item.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

FCC Radiation Exposure statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Mode Description

MAGWAVE adopts a 3-axis anti-shake design, which achieves more professional shooting effects through the different operating states of the 3-motors on the roll axis, tilt axis and pan axis.

When using, all three axes can rotate, which is the normal state.

■ F mode

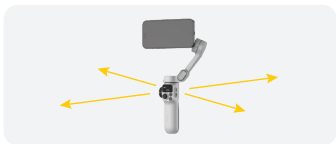
If you turn the handle of the gimbal left, right, up or down, the phone will follow. This mode is suitable for panning camera to left and right, as well as camera movements such as upward and downward shots.



Mode Description

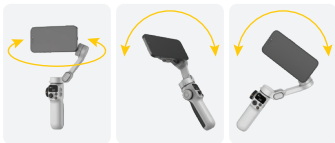
■ L mode

In Lock Mode, the smartphone maintains its shooting direction even when the stabilizer handle is turned. Suitable for fixed direction shots, such as push, pull, or pan movements.



■ POV mode

If you turn the handle of the gimbal 360° (including any angle such as left, right, up, down or tilt), the phone will follow. This mode is suitable for camera movements at any angle.



Mode Description

■ PF mode

When turning the stabilizer handle left or right, the smartphone will follow the movement. Ideal for capturing panning shots.



■ DM mode

When entering DM mode, the phone will automatically rotate 180° and return. This mode is suitable for shooting cool Inception movie effects.



Mode Description

■ S mode

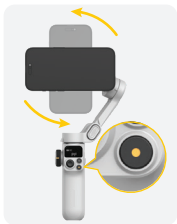
The direction of movement in sports mode is the same as in F mode, but with stronger motor power. This mode is suitable for camera movement with fast transition.



Equipment usage status

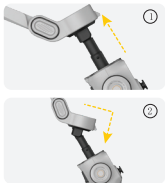
① Default state

After installing the phone and connecting it to Bluetooth, hold the handle to take anti shake photos. Double click the shooting button to switch between landscape/portrait.



② Extended state

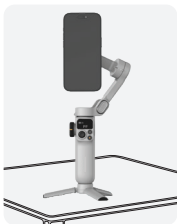
Pull out the built-in extension rod upwards and bend it to the appropriate angle to perform extended shooting. Can be used for high angle selfies or low angle photography.



Equipment usage status

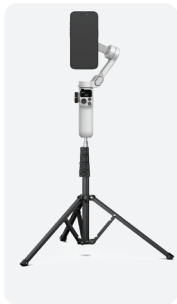
3 Desktop status

Connect the attached desktop tripod through the bottom 1/4 screw hole and stand on the desktop for shooting.



4 Landing status

If you need outdoor floor standing use, you can additionally choose a floor standing tripod with 1/4 screw hole to meet your more scene needs.



About MAGWAVE

Magnetic Dual
Purpose Phone Clip



Built-in
extension rod



Roller key
combination



OLED display

M-button

Shooting
button

Joystick

About MAGWAVE

Roll axis

Tilt axis

USB-C charging
interface

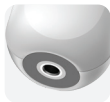
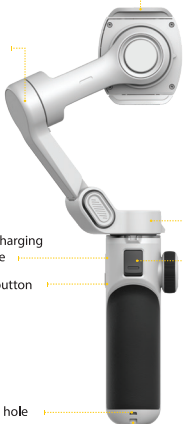
Power button

Lanyard hole

Pan axis

Trigger Button

1/4 threaded
interface



For First Use

MAGWAVE is equipped with a lithium-ion battery, please charge it before first use. You can use the included charging cable or any Type-C Cable to charge the gimbal.

■ Battery icon description:

Space flashing: 0 - 5%

First grid: 5 - 25%

Second grid: 25 - 50%

Third grid: 50 - 75%

Fourth grid: 75 - 100%

■ Charging description:

When charging:

Grid jumping state

Fully charged(Shutdown):

Full battery

Fully charged(power on):

Full power level with
lightning icon

Battery icon



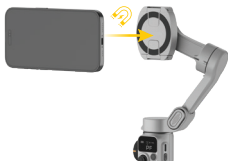
To ensure the safety and performance of the battery, the gimbal defaults to a fully charged state when it leaves the factory.

If the gimbal remains in storage state when turned on, it will automatically shut down after 5 minutes to save power.

Magnetic mounting cell phone

When installing, please note that the phone is in landscape orientation and the phone camera is facing left (same direction as the phone clip camera logo).

- If your cell phone supports the magnetic suction function, you can directly align the back of the cell phone to the magnetic suction position of the gimbal, and then attach it to the gimbal correctly.



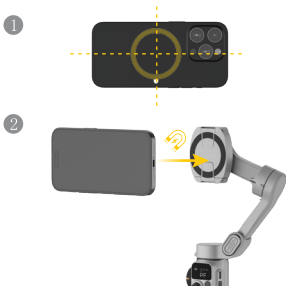
Note:

1. If the phone is tilted after powering on, gently adjust it by hand until balanced. No need to reinstall.
2. If the phone is removed while powered on, the gimbal will vibrate and beep, then enter standby mode. To resume use, reattach the phone and double-click the trigger on the back.
3. For large or heavy phones, or in complex environments, use a phone clip or magnet pad to prevent accidental drops.
4. The gimbal is not compatible with ring holders, thick phone cases, or other non-official accessories. For better protection, please use the phone without a case, or attach the official magnetic pad and/or phone clip for added support.

Installing a magnetizing sheet on smartphone

When installing, please note that the phone is in landscape orientation and the phone camera is facing left (same direction as the phone clip camera logo).

- If your phone does not support the magnetic function, you can use the included kit to install the magnetizing sheet, and then you can use it magnetically after installation.

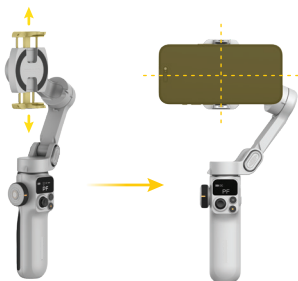


After cleaning the phone, use the magnetizing sheet positioning card to confirm the paste position, paste the magnetizing sheet directly on the back of the phone, pay attention to the position can not be too offset, should be correctly affixed to the back of the phone in the center position, so as not to affect your shooting experience.

Mounted with phone clip

When installing, please note that the phone is in landscape orientation and the phone camera is facing left (same direction as the phone clip camera logo).

- You can also mount your cell phone with the cell phone clip. Hold the top and bottom of the clip with both hands and gently pull it apart, and the clip will pop out automatically. After installing the phone, push the phone from side to side so that the phone is roughly centered and can be turned on.



Icon Description



 Battery icon	 Pan-Follow Mode
 Auto spin shot icon	 Common mode
 Zoom icon	 Lock Mode
 Focus icon	 Cool mode
 Fill light dimmer icon	 Rotation mode
 Bluetooth icon	 Sports mode
 AI sensor icon	

Button Description

1 Power button :

 Long press: Power on/off

2 Joystick :

 Adjust the direction of the phone (up/down/left/right)

3 Mode button :

 Press once:
Switch mode (F/L/POV/PF)
Press three times: DM mode

4 Capture button :

 Press once: Take photos/videos
Press twice: Switch between horizontal and vertical screens
Press three times: Switch between front and rear camera (connect to app for use)
Long press: Enable/disable smart tracking



Button Description

5 Roller key combination :



Press once: Switch zoom adjustment/focus adjustment in sequence

***Zoom:** Scroll the roller forward to zoom in, scroll it backward to zoom out (default when powering on)

***Focus:** Scroll the roller forward to blur, scroll it backward to sharpen (connect APP to use)

Press twice: 360° auto spin shot

Long press: Adjust the brightness of the fill light (0-100), rotate the scroll wheel forward to increase brightness, and rotate it backward to decrease brightness



3

Trigger Button Functions :



Double-tap: Quickly re-center the smartphone

Press and hold: Activate Sport Mode (S Mode)



App Introduction

The MAGWAVE supports the phone's native camera and can be used with the ULTRA GIMBAL app to unlock features like intelligent face tracking, gesture remote control, and more creative shooting options.

1. Download the app

Please scan the QR code below or search for "ULTRA GIMBAL" in the App Store to download the official app, which is available for both Android and Apple phones.

Scan the code to download the official
app ULTRA GIMBAL
App Name: ULTRA GIMBAL



2. App connection

1. After clamping the phone, press and hold the power button of the gimbal to turn it on ;
2. Activate the Bluetooth of your phone ;
3. Open the app ULTRA GIMBAL, it will automatically search for the Bluetooth of the gimbal and connect to the paired devices ;
4. The Bluetooth icon of the gimbal lights up to indicate a successful connection. After the successful connection, you can use all the functions of the app.

App Functions

1. Smart Follow:

It can make intelligent tracking of faces/human bodies/objects/live streaming. And it supports third-party app to track.

2. Gesture-controlled shooting:

You can control shooting remotely, switch between horizontal and vertical screens, etc. through gesture.

3. Master camera movement:

Integration of several classic camera movements to quickly produce movies.

4. Beauty filter:

Over 150 classic filters and a variety of alternative beauty effects.

5. Time-lapse photography:

Set the start point, end point, and time to automatically perform time-lapse photography.

6. Panoramic shooting:

180°/ 330°/3*3/3*5 alternative panoramic modes.

7. Movie mode:

With a video aspect ratio of 2.8:1, ultra wide angle and anti-shake design to achieve movie effects.

8. Customized functions:

You can set the parameters by yourself, such as the direction of the joystick, the speed of the Smart Follow, and the motor power.

For more functions, please download the app. The app functions are constantly updated, please refer to the latest functions of the actual item.

Gimbal Storage

MAGWAVE is a foldable design and is easy to store and carry when folded. Please fold the device when it is turned off and the extension bar is fully retracted.

Step 1:

Holding the device, adjust the stabilizer to the status as shown below, rotate the phone clip to lock the snap 1, taking care that the snap 2 is not reversed.

Step 2:

Fold the gimbal down manually so that snap 3 snaps correctly into snap 4 to complete the stowage.

