



manual

SJCAM Gimbal | SJCAM 手持雲臺



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SJCAM Gimbal User Manual

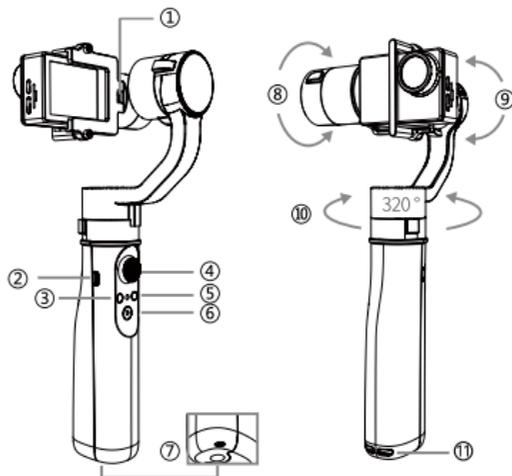
Please read user manual thoroughly before use.

1/ Product overview

SJCAM Gimbal is a 3-axis stabilizer newly promoted by SJCAM, which is compatible with SJ4000, SJ5000, SJ6 LEGEND, SJ7 STAR and other action cameras of similar sizes and series. It covers wide usage through stabilizing the shooting of both static photo and dynamic video in your daily life, tours, sports and other scenes.

There are 4 built-in classic modes including Pan following, Locking, Pan-tilt following and Selfie mode. An 1/4 inch screw hole is reserved for connecting a tripod, an extension pod or other accessory kits to capture stunning motions in various settings.

SJ-Gimbal Diagram



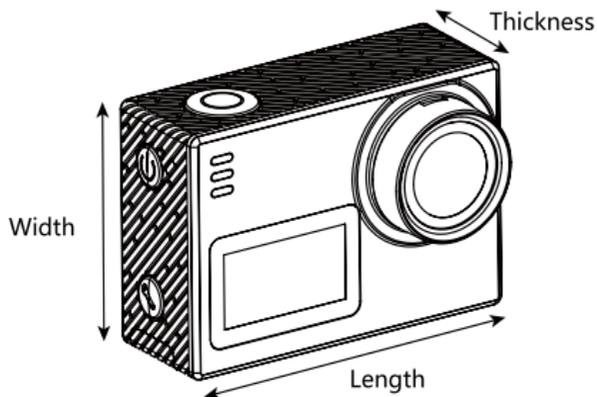
- ① Camera Charging Port ② Micro USB Port ③ Mode Button ④ Joystick ⑤ Power Button
⑥ Shutter / OK Button ⑦ 1/4" Screw Mount ⑧ Tilt Motor ⑨ Roll Motor ⑩ Pan Motor ⑪ Lanyard Hole

Notice :

- This product is compatible with SJ4000, SJ5000, SJ6, SJ7 and other action cameras of similar sizes as the following picture shows.
 - Camera is excluded from this product; please make sure that your camera size matches this product!
 - The 1/4 inch screw hole on the bottom applies to accessory kits that fits the connection.
- Compatible camera size

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58mm ≤ Length ≤ 62mm ; 21mm ≤ Thickness ≤ 25mm ; 41mm ≤ Width ≤ 45mm



Tilt angle range 320°

Roll angle range 80°

Pan angle range 320°

Tilt speed min 3° /s max70° /s

Pan speed min 5° /s max 120° /s

Theoretical runtime between charging: 14 hours(standby),13hours(in use)

Compatible with SJ4、SJ5、SJ6、SJ7 and other action cameras of similar size

Weight:350g (excluding camera)

Dimensions 260mm*82mm*107mm(without camera)

2/ Packing list

Handheld stabilizer x1 User manual x1 Qualified certificate x1
USB cable x1 Camera cable x1 Hand rope x1

PS: This product contains no cameras.

3/ DIRECTIONS FOR USE

Mount the camera (switch off the camera before installation)

- 1) Loosen the camera holder screws, place the camera in the camera holder's arms as the presented direction, and keep the camera as level as possible.
- 2) Tighten the screws and secure the camera in position.

Note:

- There is no need unscrewing completely. Loosen the screws enough to place the camera.
- It is important to balance the camera in order to make sure gravity center is stable before switching on the stabilizer.

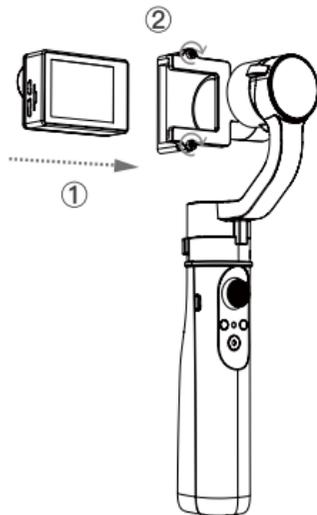
Power Switch

- To turn on the stabilizer: touch and hold the power switch  for few seconds. With the stabilizer powered on, it switches into its default mode--- pan following, while the green indicator blinks; to turn off the stabilizer: press the power switch for a few seconds.
- Plug the control USB cable into the camera control interface which is inside the tilt motor. Then power on the gimbal. Pressing the power button on the gimbal twice will activate and supply power to the camera. Press the power button twice to power off the camera.

Note:

After the camera is installed, it can be turned on.

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Direction Control

Direction control: push the joystick to control the vertical and horizontal movements of the camera.

Joystick instruction

Mode	controllable adjustment	operation
Pan following	tilts the camera	up and down
Locking	tilts and pans the camera	up and down, left and right
Pan-tilt Following	N/A	N/A
Selfie	tilts the camera	up and down

Modes Switch

To switch the modes, you can press the mode button according to the following instructions.

Mode	Operation	Notes
Pan following	press mode button one time	gimbal enters into pan following mode immediately when switched on; under pan-tilt following mode press mode button one time and you can switch back to pan following.
Locking	press mode button one time	under pan following, press mode button to shift to locking mode.
Pan-tilt Following	press the mode button one time	under locking mode press mode button one time and you can switch into the pan-tilt following mode.
Selfie	tap mode button twice	under any mode quickly tap mode button twice with the interval time less than one second and then you can switch to the selfie mode.

Note: In selfie mode, tap twice or touch and hold mode button, the stabilizer will automatically reset and switch back to its pan following mode. In locking and pan following mode, if you touch and hold Mode button, the camera tilt angle resets without changing the modes.

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Operation Modes

Pan Following Mode

Hold down on power switch to turn on the stabilizer and then the gimbal enters into pan following mode by default, or under pan-tilt following mode, press mode button once to switch to pan following mode. In this mode, with tilt and roll motors locked, pan motor can move horizontally along with hand movements and tilt angle can be adjusted by joystick.

Locking Mode

Press mode one time under pan following mode, and then you switch into locking mode. With pan, tilt and roll directions all locked up, camera direction does not move along with the holding hand. You can push the joystick to adjust pan and tilt movements.

Pan-tilt following Mode

Press mode one time under locking mode, and then you switch into pan-tilt following mode. With the roll motor locked, pan and tilt motors will automatically adjust along with hand movements, while the direction of camera is not controllable through joystick.

Selfie Mode

Quickly tap mode button twice to enter into selfie mode; with the tilt and roll motors are locked, pan motor moves along with horizontal movements of the holding hand; push and pull the joystick to adjust tilt angle. Tap the mode button one time, or press and hold down the mode button, and then the stabilizer can withdraw from selfie mode and shift into pan following mode.

Shooting and filming

Connect your camera and the gimbal tilt motor with the camera cable included in the accessories, and thereafter you can start your shooting and filming through operations of Photo/ Video button.

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Operations	function
Tap one time	shoot or start/stop filming
Tap twice	switch between shooting and filming

Status Indicator

Mode/ status	Blinking pattern
Pan Following mode	SolidGreen
Locking mode	Solid Red
Pan-tilt Following mode	Solid Blue
Selfie mode	Solid Blue and Red
Switch on In pan following mode by default	solid Green
Low battery warning	Slowly pulsing by 1Hz in current Mode
Critical low-battery/error	Quickly pulsing by 2Hz in current Mode
Charging	Slow pulsing in current mode by 1Hz (in working status); pulsing red by 1Hz(in shut-down status)
Charging completed	Solid light in its current mode (in working status); Solid Green(in shut-down status)
Gyros calibration	Blink Blue and Green; turn to solid Green for 5s when completed
Accelerometer calibration	Blink Blue and Green ; turn to solid Blue for 3s when completed

4/Charging

When stabilizer is switched on in a low battery status, the low battery warning will be triggered: indicator blink Red quickly; the motors are not functioning. Please charge in time.

Charging instructions:

Connect the USB cable mini port to the USB port on the handler of the stabilizer, with the other end linked to the charger with voltage of 5V, current of 2A. When the stabilizer is charged in working status, the indicator light slowly pulses in current mode by 1Hz. When the stabilizer is charged in shut-down status, the indicator light pulses red by 1Hz. When it is fully charged, the indicator will keep in the solid color of the current mode or turn to solid Green. Using PC for charging is not remanded due to slow charging pace.

Note:

- Before charging, please check if there is any damage on the USB cable and port; please avoid using damaged charging equipment.
- Avoid charging nearby the flammable and combustible material; avoid covering the charging stabilizer when it is charging; heed on the charging process in order to avoid any accident.
- After usage when the battery is of high temperature, please do not charge immediately; wait for it to cool down to ambient temperature before charging.

Charging the camera

When the stabilizer is fully charged, it can charge the camera through connecting the charging port with gimbal's tilt motor.

When the stabilizer detects low battery, it will shut down this function automatically.

5/ Calibration and firmware upgrade

5.1 Calibration

Calibration is required where:

- (1) the camera deviates from the horizontal position;
- (2) in Locking mode, pan axis drifts slowly.

5.1.1 Software calibration

Calibration steps

1/Download stabilizer calibration software and driver software from SJCAM's Official website download section, and install them on your computer.

2/ Turn off the stabilizer, connect it to the computer with the USB cable and press power switch. When the status indicator turns solid Blue, the stabilizer enters into calibration procedure.

3/ Check if there is a new device detected on the serial port showing on the device manager on your computer; if that is the case, move to step 4; if not, refer to Key Calibration.

4/ Start your calibration software, choose the USB serial device showing up in the previous step, keep your stabilizer in the initial zero position(as the following picture shows), click the "Connection" button.When it is connected successfully, click "IMU calibration" and complete calibration procedure. If the calibration fails, repeat step 2 and step 3.

5.1.2 Key calibration

To start the calibration, switch on the stabilizer, hold it in its upright and still position, and press both the Mode button and Photo/Video button at the same time for more than 2 seconds. When the indicator blinks Blue and Green, the stabilizer gets into key calibration process. When the calibration completes, the status indicator shows solid Blue for 3 seconds. After that, the stabilizer automatically enters to its Gyros calibration, and the indicator blinks Blue and Green. Indicator turns to solid Green for 5 seconds when calibrations processes complete, and the then stabilizer enters into its pan following mode.

Note: Please do not use USB cable to connect the stabilizer during key calibration.

5.2 Upgrading the firmware

USB upgrading

1/ Download stabilizer calibration software and driver software from the download section of SJCAM's Official website, and install them on your computer;

2/ Turn off the stabilizer, and then connect it with the computer using USB cable. Press the stabilizer's power switch. When the status indicator shows solid Blue, the upgrading is on.

3/ Check if there is a new serial device detected from serial port; if that is the case, move to step 4; if not, please use Bluetooth Upgrading.

4/ Start your calibration software, choose the USB serial device detected in the previous step, and click the "Connection" button. When it is connected successfully, click "UPGRADING" and complete upgrading process. If the upgrading fails, repeat step 2 and step 3.

Note: Make sure your PC stays connected to the Internet during the upgrade process.

6/ Troubleshooting

Please do not disassemble the hand-held stabilizer on your own; It may lead to malfunction.

Symptom	Solution
Boot failure	the batteries ran out; please charge.
Charging failure	Voltage and current from the USB standard access end is not suitable: Please change suitable charger as the manual described.
Motor inability & abnormal noise	Low Battery: please charge in time.
Fail to connect during calibration process	USB circuit break: replace with new USB cable;
	Stabilizer is not on its calibration and upgrading status: please refer to the calibration instruction and redo upgrading;
	PC lacks relative drive software: connect to the internet and update drive software;

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Receiving errors when calibrating and upgrading	Poor contact of USB cable: Refer to the calibration and upgrading instruction and redo the process
Roll motor tilts in working status	accelerator and gyro inaccuracy: please follow the calibration instructions and redo calibration.

7/Disclaimer and Announcements

Warning and Disclaimer

Please read this statement carefully before using this excellent stabilizer. Once this product is put into usage, it deemed that you have carefully read this disclaimer and warning, and you are acknowledged , understand and accept all terms and content of this statement.

Illegal use is prohibited. Users are fully responsible for the purchase and use of the product. The Company will not provide any service for users who obtained the product from unidentified channels. The company takes no responsibilities for the risks and liabilities during debugging and using the product (including direct,indirect or third party losses).

Due to firmware upgrading and transformation, functions described in this manual may change. Please read upgrading instructions carefully before upgrading the firmware. Please use the corresponding manual.

Technical specifications are subject to changes without further notice. The company assumes no responsibility for errors and omissions of this manual.

Stabilizer Notes

1/This product is a highly-precise device for control and stabilizing.It is not suitable for children to use. A fall or collision resulting from external force may lead to malfunction.

2/ After the completion of the stabilizer assembly, please make sure that the camera is installed properly, and then switch on the stabilizer. Keep the stabilizer stable and still before switching it on.Notice: Stabilizer may encounter a boot failure in a wobble state.

3/ Please make sure the three motors are free from any external resistance. If the joystick is not responding,

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the motors are weak, or it is in an unstable control, please charge. If the mentioned problem persists after fully charging, please contact after-sales services.

4/ This product is not water-proof, please avoid washing it or exposing it to any liquid. It is recommended to wipe it with a soft dry cloth.

5/ After using or putting it still, please make sure it is powered off.

Battery usage announcements

In order to ensure a safe and correct usage of this hand-held stabilizer, please read the manual carefully and follow instructions strictly. Incorrect, neglected and irresponsible operation will result in loss of battery and property, and even personal injuries.

1/ The battery is suitable for use and should be preserved in the environment of -10°C to 50°C. Please keep battery away from children. It is prohibited to dismantle and pierce battery by all means. Mechanical impact, rolling and throwing of battery are also prohibited.

2/ The battery is strictly prohibited to be exposed to any liquid. Do not immerse the battery in water or wet it. Avoid using battery in rain or in humid environment, otherwise it may cause the battery to spontaneous combustion or even explosion.

3/ The battery electrolyte is highly corrosive. If it is accidentally contacted with the skin or enters into eyes, rinse with water immediately for at least 15 minutes and seek medical treatment urgently.

4/ Do not put the battery on the conductor surface. Avoid connecting the positive and negative end of the battery using wires. Prohibit heating and putting it near heat sources.

5/ If there is dirt or pollutant on the battery charging interface, please wipe with clean and dry cloth, or it may result in malfunction or failure due to poor connection.

6/ Prohibit from using the battery when there appears drum package, leakage, damage, and water soaking. Stop using the battery when it is overheated (>71°C), smells, or has any other abnormality. When you replace batteries with new ones, please make sure they are purchases in SJCAM or designated official channels. SJCAM shall not assume responsibilities for any accident or equipment failure caused by the use of non-SJCAM official battery.

7/ Do not store and transport the battery with watches, jewelry, spectacles and other medals. Please do

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not carry and transport damaged batteries. When transport, please discharge the power to 50% and below. Drain the power before carrying on the plane.

8/ Placing it aside long time after discharge may lead to over discharge and damages to the battery, which cannot be restored; please keep battery power at 40%-60% for long term storage, and re-charge and discharge every 3 months.

Find the latest manual and info on official website www.sjcam.com, SJCAM reserves all rights of interpretation and explanation!

Manufacturer: SZ Hongfeng Century Technology CO, LTD

Production place: shenzhen, China

Website : www.sjcam.com

Address: 4/F Building C, NO.2 Road 1, Shangxue Industrial Area Bantian, Longgang District, Shenzhen, China



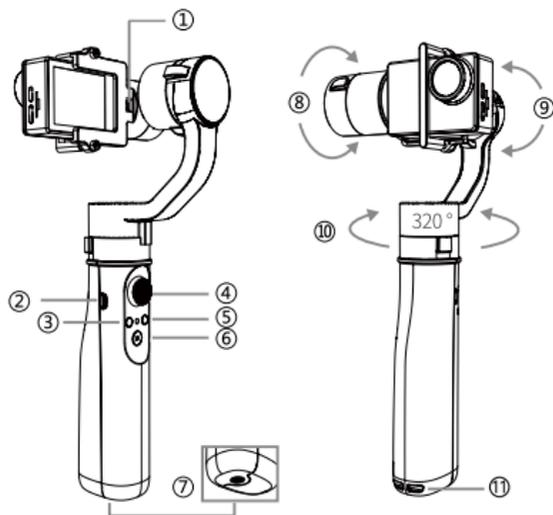
SJCAM Gimbal 手持雲臺使用手冊

產品概覽

本產品是 SJCAM 新推出的一款三軸手持穩定器，可搭載 SJ4000、SJ5000、SJ6、SJ7 及相同系列或尺寸的運動相機，用於日常生活、旅遊、運動等方面的動態視頻及靜態照片的拍攝增穩，使用範圍非常廣泛。

本產品支持航向跟隨模式、定點模式、全跟隨模式、自拍模式 4 種功能模式；
底部 1/4 英寸螺絲孔位，可外接適配該接口的三腳架、延長桿等所有配件，滿足不同拍攝場景需求。

产品展示图



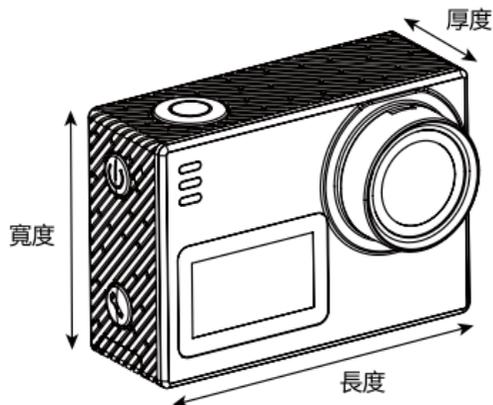
- ① 相機充電接口 ② USB ③ 模式 ④ 搖桿 ⑤ 電源開關 ⑥ 拍照錄像 ⑦ 1/4 英寸螺絲（孔） ⑧ 俯仰
⑨ 橫滾 ⑩ 航向 ⑪ 手繩穿孔；

注意：

- 本產品適配注意：SJ4000、SJ5000、SJ6 LEGEND、SJ7 STAR 及符合如下圖所示尺寸範圍的運動相機。
- 本產品不包含相機，使用時請注意相機與本產品是否適配！
- 底部 1/4 英寸螺絲孔可外接適配該類型接口的所有配件。

產品適配尺寸示意

58mm ≤ 長度 ≤ 62mm; 21mm ≤ 厚度 ≤ 25mm; 41mm ≤ 寬度 ≤ 45mm



俯仰角動作角度 320°

橫滾角動作角度 80°

航向角動作角度 320°

俯仰隨動速率最小 3° /s 最大 70° /s

航向隨動速率最小 5° /s 最大 120° /s

理論續航時間 14H (待機) 13H (使用)

適配設備 SJ4000、SJ5000、SJ6 LEGEND、SJ7 STAR 尺寸相機

重量 350 g (不含相機)

尺寸 260mm*82mm*107mm (不含相機)

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2. 包裝清單

手持穩定器 x1 說明書 x1 合格證 x1 USB 線 x1 相機連接綫 x1 手繩 x1

備註：產品不包含相機。

3. 使用說明

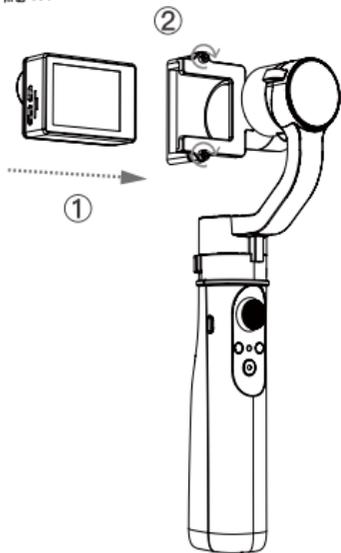
安裝相機（安裝相機前請勿開機）

① 擰開相機固定的螺桿，然後按如圖所示方向將相機推入相機框，使相機盡量處於水平位置。

② 裝上相機後反向擰緊相機固定螺桿，並確保相機已固定到位不會鬆動。

注意：

- 螺桿擰開至可放入相機的程度即可，無需完全擰下。
- 安裝相機時請盡量保證相機處於水平狀態，以確保穩定器開啟前重心穩定。



開機與關機

開機：長按電源鍵，穩定器直接進入工作狀態，開機後默認第一個功能模式為航向跟隨模式，指示燈綠燈長亮；關機：開機狀態下長按電源鍵即可關機。

雲台連接相機的 USB 控制線，手持雲台開機後，雙擊電源鍵可以啟動相機開機並給相機充電，再雙擊電源鍵結束充電並且關閉相機。

注意：

- 相機安裝穩固後才可開機。

方向控制

方向控制：通過控制搖桿實現上下左右方位的控制以調整相機鏡頭的轉向。

搖桿控制說明

模式	搖桿可控制角度	搖桿動作
航向跟隨模式	俯仰角度	上、下
定點模式	俯仰、航向角度	上、下、左、右
全跟隨模式	不可控制	不可控制
自拍模式	俯仰角度	上、下

模式切換

模式切換：通過模式切換鍵即可進行模式切換，詳情見模式切換說明。

模式切換說明

模式	操作方式	備註
航向跟隨模式	單擊模式鍵	開機後直接進入航向跟隨模式，全跟隨模式下單擊模式鍵切換到該模式
定點模式	單擊模式鍵	航向跟隨模式下單擊模式鍵，可切換到定點模式
全跟隨模式	單擊模式鍵	定點模式下單擊模式鍵，可切換到全跟隨模式
自拍模式	雙擊模式鍵	任意模式下快速雙擊模式鍵間隔不超過 1s，切換到自拍模式

注意：自拍模式下，雙擊或長按模式鍵，穩定器自動復位回中，並進入航向跟隨模式；航向跟隨及定點模式下，長按模式鍵，相機俯仰角度都將復位歸正，模式不變。

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工作模式

航向跟隨模式

長按電源鍵開機後直接進入，或在全跟隨模式下單擊模式鍵切換到航向跟隨模式，穩定器俯仰和橫滾方向鎖定，航向軸跟隨手持水平運動方向平滑轉動，可通過搖桿按鍵上下控制俯仰角度。

定點模式

航向跟隨模式下單擊模式鍵切換至定點模式，航向、橫滾及俯仰方向鎖定，鏡頭方向將不跟隨手持運動方向變化，可通過搖桿按鍵控制航向及俯仰軸轉動。

全跟隨模式

定點模式下單擊模式鍵進入全跟隨模式，橫滾鎖定，航向及俯仰方向跟隨手持運動方向平滑運動。鏡頭方向不可通過搖桿按鍵控制。

自拍模式

快速雙擊模式鍵即可進入自拍模式，穩定器俯仰和橫滾方向鎖定，航向軸跟隨手持水平運動方向平滑轉動，可通過搖桿按鍵上下控制俯仰角度。單擊或長按模式鍵可退出自拍模式，進入航向跟隨模式。

拍照錄像

將配件中的相機連接線將相機和雲台俯仰軸電機口連接好，相機云台控制打開，即可按拍照錄像鍵直接拍照錄像。

操作方式	功能
單擊	拍照 或者 開始 / 停止錄像
雙擊	拍照 / 錄像模式切換

指示燈說明

功能模式 / 狀態	指示燈狀態
航向跟隨模式	綠燈長亮
定點模式	紅燈長亮
全跟隨模式	藍燈長亮
自拍模式	紅藍燈長亮
開機直接進入航向跟隨模式	綠燈長亮
低電壓報警	當前模式燈 1Hz 閃爍
電量嚴重不足 / 嚴重錯誤	當前模式燈 2 Hz 閃爍
充電狀態	當前模式燈 1Hz 閃爍 (開機) 紅燈 1Hz 閃爍 (關機)
充電完成	當前模式燈長亮 (開機) 綠燈長亮 (關機)
陀螺儀校準	藍、綠燈交替閃, 校準成功後綠燈長亮 5 s
加速度計校準	藍、綠燈交替閃, 校準完成後藍燈長亮 3 s

4 充電說明

穩定器開機使用時, 若電量較低, 將會觸發低電壓保護, 指示燈紅燈快閃, 電機不工作, 請及時充電。

充電方法

將 USB 線 Mini 端接入穩定器手柄 USB 端口, 將標準端接入輸出電壓為直流 5V 電流 2A 的充電器, 開機時充電, 指示燈為當前模式燈 1Hz 閃爍, 關機時充電, 指示燈紅燈快閃, 恢復當前模式燈長亮或綠燈長亮時表示電量已充滿。不建議使用 PC 充電, 充電速度較慢。

注意:

- 每次充電前, 請檢查充電 USB 線及插頭是否有損壞, 請勿使用破損的充電設備;
- 請勿在易燃、可燃物附近充電, 充電時請勿用其他物品覆蓋穩定器, 請時刻留意充電過程, 謹防發生意外;
- 剛結束使用的電池溫度較高, 請勿立即充電, 待其降至室溫再充電;

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相機充電功能

在穩定器電量充足的情況下，穩定器可以通過相機充電線連接俯仰軸電機接口自動為相機充電。
當穩定器檢測到電池電量較少時，會自動關閉相機充電。

5. 穩定器校準與固件升級

5.1 校準

當穩定器使用時出現如下情況時需要進行校準：

- (1) 相機偏離水平位置；
- (2) 定點模式下，航向軸緩慢漂移。

5.1.1 軟件校準

校準步驟：

- 1、進入 SJCAM 官網資料下載專區下載穩定器校準軟件與驅動軟件，並在電腦上進行安裝；
- 2、穩定器開機後，用 USB 數據線連接電腦，再短按穩定器電源鍵，指示燈藍燈長亮，進入校準；
- 3、在設備管理器查看是否有新增串口設備，若有請繼續第 4 步，如無，請採用按鍵校準；
- 4、打開校準軟件，選擇步驟 3 中出現的 USB 串口，將穩定器保持如圖所示初始零位狀態，點擊“連接”按鈕，連接成功後再點擊“IMU 校準”，待提示校準完成後即完成校準；若校準失敗，則需重複上述 2-3 步驟。

5.1.2 按鍵校準

開機後，將穩定器保持垂直靜止狀態，同時按模式鍵和拍照錄像鍵 2s 以上，指示燈藍綠交替閃，進入加速度計校準模式，校準完成後藍燈長亮 3s，3s 之後，穩定器自動進入陀螺儀校準，校準過程中藍綠指示燈交替閃，校準成功後綠燈長亮約 5s 後直接進入航向跟隨模式。

注：按鍵校準時，請勿用 USB 數據線連接穩定器。

5.2 固件升級

5.2.1 USB 升級

- 1、進入 SJCAM 官網資料下載專區下載穩定器校準軟件與驅動軟件，並在電腦上進行安裝；
- 2、穩定器開機後，用 USB 數據線連接電腦，再短按穩定器電源鍵，指示燈藍燈長亮，開始升級；
- 3、在設備管理器查看是否有新增串口設備，若有請繼續第 4 步，如無，請採用藍牙升級；

4、打開校準軟件，選擇步驟 3 中出現的 USB 串口，點擊“連接”按鈕，連接成功後再點擊“升級”，待提示升級完成後即升級成功；若升級失敗，則需重複上述 2-3 步驟。

注意：升級過程中請保證 PC 處於聯網狀態，切勿斷網。

6. 故障排除

切勿自行拆裝手持穩定器，否則將可能導致穩定器無法正常使用。

故障現象	解決方法
穩定器無法開機	電池電量已耗盡：請及時充電；
無法正常充電	USB 標準端接入的電壓或電流不符合要求：按本說明書要求更換符合的充電器；
電機無力、轉動時異響	電池電量過低，請及時充電
校準升級時設備連接失敗	USB 線內部斷路：更換新的可用 USB 線；
	穩定器未進入校準升級狀態：根據校準說明重新校準升級；
	電腦缺少相關驅動：聯網後更新驅動；
校準升級過程出現錯誤提示	USB 線接觸不良：根據校準說明重新校準升級；
使用時橫滾軸傾斜	加速度計、陀螺儀有誤差：根據校準說明重新校準

7. 免責聲明與注意事項

警告和免責聲明

本產品是一款性能優越的三軸手持穩定器，請在使用前仔細閱讀本聲明內容。一旦使用本產品即視您已仔細閱讀免責聲明與警告，理解、認可和接受本聲明全部條款和內容。

禁止任何用戶的任何非法用途，用戶將為購買和使用產品的一切行為負責。本公司對於任何從非正常渠道獲得或不明用途的產品，將不提供任何服務。本公司不承擔終端客戶對本產品所有調試和使用當中的風險和責任（包括直接、間接或第三方的損失）。

由於產品固件程序的升級和更改，有可能造成本說明書中描述的功能有變動，升級固件前請仔細閱讀升級說明，請配合使用對應的說明書。

技術規格如有變動，恕不另行通知；本公司對於本手冊中可能存在的錯誤及未闡述之處不承擔任何責任。

穩定器使用注意事項

1、本產品為高精度控制穩定裝置，不適合兒童使用，摔落或外力碰撞可能會使穩定器損壞，導致工作異常；

2、穩定器組裝完成後請務必安裝好適配相機後再通電啟動；開機啟動前請保持穩定切勿亂動；

注意：啟動過程中晃動穩定器有可能導致啟動失敗！

3、請確保穩定器開機後，三軸電機轉動不受外力阻擋；若穩定器搖桿按鍵無響應、電機無力、控制不穩或其他非正常情況，請給電池充滿電後再使用；若仍不能解決上述問題，請聯繫售後；

4、本產品不具備防水功能，請勿接觸任何液體或用液體清洗，建議採用乾布擦拭清潔；

5、當不使用穩定器或靜止放置時，請確認已關閉電源；

電池使用注意事項

為了保證您能正確、安全地使用手持穩定器，請在使用本產品前務必仔細閱讀本說明並嚴格按照使用說明書進行操作。不正確、疏於安全防範以及不負責任的操作將會導致電池和財產損失，甚至帶來人身傷害。

1、請在 -10°C 至 50°C 的環境中使用保存電池，請勿讓兒童接觸電池，禁止以任何方式拆解或用尖銳物體刺破電池，禁止機械撞擊、碾壓或拋擲電池；

2、嚴禁將電池接觸任何液體，切勿將電池浸入水中或將其弄濕，切勿在雨中或潮濕環境中使用電池，否則可能會引發電池自燃甚至爆炸；

- 3、電池內電解液具有強腐蝕性，如不小心接觸到皮膚或眼睛，請立即用清水沖洗至少 15 分鐘並馬上就醫；
- 4、請勿將電池電芯置於導體表面，禁止用導線將電池正負極接通，禁止對電池進行任何形式的加熱或靠近熱源；
- 5、如電池接口有污物，請使用潔淨乾燥的布料擦拭，否則可能接觸不良引起損耗或故障；
- 6、嚴禁使用發生鼓包、漏液、破損、浸水等情況的電池，當電池發熱(>71°C)有異味或其他任何異常現象時不得繼續使用，更換新的電池請在 SJCAM 官方或指定渠道購買，因使用非 SJCAM 官方提供的電池而引發的事故或設備故障，SJCAM 不予負責；
- 7、禁止將電池與手錶、首飾、眼鏡等金屬物體一起貯存和運輸，切勿攜帶和運輸有破損的電池，運輸電池請將電量放電至 50% 以下，飛機上攜帶電池請放光電量；
- 8、放電後長時間放置將過放導致電芯損壞，無法恢復；長時間保存請將電量保持在 40% 至 60%，並每隔三個月重新充放電一次；

最新說明書及信息可在官方網站：www.sjcam.com 獲取，本公司保留一切解釋權！

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公司網址：www.sjcam.com

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Official website: www.sjcam.com | Support: support@sjcam.com

For latest detailed manual, please check: <http://sjcam.com/manual>
V2.0