



SJ-GIMBAL 2
USER'S MANUAL
手持云台 2



----- 02



----- 15



GIMBAL 2 - DESCRIPTION



* **POWER / SHUTTER BUTTON** - Power (On/Off); Long press for 3 seconds: Shutter Button: 1. Single Press: Take Photo 2. Double Press: Start video 3. Triple Press: Reverse.

****TRIGGER BUTTON** - 1. Long Press: Quick lock; 2. Double Press: Re-center.

*****MODE BUTTON** - For detailed description of the gimbal modes, go to page 9 of this manual.



SPECIFICATIONS

COMPATIBLE WITH: Compatible with most of SJCAM cameras and other branded action cameras, gimbal control is available for SJ8PRO, SJ8plus, SJ8Air, SJ7.SJ6

MATERIAL: COMPOSITE MATERIAL

WEIGHT: 370G

COLOR: BLACK

TILT ROTATE RANGE: 320°

ROLL ROTATE RANGE: 320°

PAN ROTATE RANGE: 640°

ANGLE VIBRATION RANGE: $\pm 0.01^\circ$

WORKING VOLTAGE: 3.2V-4.0V

BATTERY: LI-ION, 2600mAh

BATTERY RUNTIME: 6 HOURS

by this way it can support camera charging and using around 2-2.5 hours

CHARGING CONNECTOR: TYPE-C





SUPERB ENDURANCE

Stand alone endurance time can achieve 6 hours. It can also connect with cameras directly for external power supply. by this way it can support camera charging and using around 2-2.5 hours. thus give you pleasant experience.





3 AXIS STABILIZATION

3-axis stabilization system gives stable photos and videos in different scenes such as bicycle riding, aerial photography or running.





TIMELAPSE PHOTOGRAPHY





STABILIZER CHARGING & ACTION CAMERA CHARGING

Fully charge the stabilizer before using it for the first time. It will take approximately 3 hours to make a full charge. Use Type-C USB cable connecting to the stabilizer charging port through wall charger (or other power sources).

Type C USB Port: Charging the gimbal



4 Led lights indicators

4 Led lights on means power is 100%

3 Led lights on means power is 75%

2 Led lights on means power is 50%

1 Led lights on means power is 25%

Indicator Light Fast Flashing: Charging status

Indicator Light Solid: Fully charged status





CAMERA INSTALLATION



The lens is opposite to the tilt motor.



Put the tilt motor to the **LEFT** side, place your camera closely to the back clip as shown on the picture and tighten the knob to secure its position. Double tighten by 2 long screws against violent movement.

OPERATION INSTRUCTION

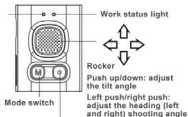


JOYSTICK

Panning right/ left
Tilting up/ down



MODES



Long press for 3 seconds to power on/off
Click to pause/continue
Double click to switch shooting modes (Video and Still)

Trigger Button:
Long Press: Quick locked
Double Press: Re-centered (Camera back to initial position)



Mode Button Operation	Mode Name	Mode Light	Instruction
Single Click	Pan Following	Single, short flash	Default mode, tilt & roll axis both locked, camera will only move to the left or right smoothly.
Double Click	Pan&Tilt Following	Double flash	Roll axis locked, camera can move to the left/right, and tilt up/down.
Triple Click	All Locked	Triple flash	The camera is locked in the same position unless moved by joystick
Quadruple Click	All Following	Single, long flash	Tilt, Roll, and Pan axis all follow
Long Press for 6 seconds	Calibration	Solid on	If the tilt or roll angles are not levelled with horizontal surface, or the pan angle is drifting in lock mode, long press for 6 seconds to calibrate the Gimbal.



APP INSTRUCTION

- 1) Enable Bluetooth on your smartphone.
- 2) Open the "SJCAM Zone" app, choose the Gimbal icon, then check that the Bluetooth is connected (the app will connect to the Bluetooth connection automatically, no need to set manually).
- 3) Pair the Gimbal and your smart-phone via Bluetooth as shown in the app.

Additional functions on the App (check that the Bluetooth is connected and the Bluetooth light is solid on).

1. Motion timelapse.

2. Remote control:

- A. Joystick: Controls the directional movement of the gimbal
- B. Mode selection
- C. One key to re-centred and reverse

3. Personalized parameter setting (it can be saved as a preference):

- A. Follow speed.
- B. Joystick speed
- C. Trim for roll & tilt angle
- D. Follow dead zone range
- E. Joystick direction
- F. Motor torsion

4. Calibration and firmware upgrade.





CALIBRATION

The situations described below require that the Gimbal is recalibrated:

- 1) If pitch angle is not level with the horizon.
- 2) If the roll angle is not parallel with the horizon.
- 3) If the panning drifts in any direction even when in locked mode.

Calibration Operation Instruction.

Method 1: Off-line Calibration:

- 1) Power the gimbal on (around 3 seconds), long press the mode button over 6 seconds till the mode light is solid.
- 2) Lay the gimbal on a solid and stationary flat surface, free from any shaking, vibrations, or wobbling. Calibration is finished when the mode light continuously flashes 3 times.
- 3) Power off the gimbal and restart it, if the calibration is unsuccessful, you can repeat step 1)2) to reinitialize.

Method 2: 6-Side Calibration via App

Check that the Gimbal is connected to the app via Bluetooth, then choose "Calibration" and follow the tips to calibrate in the App.

**If the gimbal is still not perfectly stable in horizontal orientation, go to APP settings*

-Trim- Adjust roll angles, slightly modify the roll axis figures



FIRMWARE UPDATE & DISCLAIMER

Firmware Upgrade

Check that the Gimbal is connected to App via Bluetooth, then choose "Firmware Upgrade" and follow the tips to upgrade the latest firmware.

WARNINGS AND DISCLAIMERS

1. Always use the product in a manner that only conforms to what it is created for.
2. Only use a charger that is within working limits of the USB specification.
3. Warranty does not apply to damage that is caused as a result of neglect such as loose mounting, charging in reverse polarity, operating in wet environments.
4. Keep the Gimbal away from fire and any heat sources.
5. It is the user's responsibility to make sure that the product is used in compliance to all laws in your country.
6. For any unknown sources or usage, we will not provide any service.
7. For questions regarding the product and usage, you may contact our technical support agents via support.sjcam.com
8. SJCAM shall not be held liable for incidences where the product is misused or abused, or when used in any criminal activities.
9. It is the user's responsibility to take extreme caution when operating the Gimbal. SJCAM shall not be held liable for accidents caused by a user's neglect of personal safety of himself and/or of people around him during and throughout its use.
10. SJCAM reserves the right for final explanation.



INSTALLATION INSTRUCTION

Install the "SJCAMZONE" App

Search for "SJCAMZONE" in the App Store. For Android system, it is available in Tecent MyAPP, or scanning the QR code below to install the app on your mobile phone.



iOS



Android

* "SJCAMZONE" supports iOS 9.0 and Android 8.0 or above



ACCESSORIES

WHAT'S INCLUDED

1 x Type-C USB Cable, 1 x Tripod, 1 x Carry Case,

1 x User Manual (Includes warranty card) 2 x Camera charging cable

Other accessories are available separately from the SJCAM Webstore: sjcam.com/shop



SJ-Gimbal 2



APP



CAMERA



GIMBAL





GIMBAL 2 - 描述



*扳机键 - 长按 (保持): 快速锁定 双击: 快速归中 (相机回到开机初始位置)

**模式切换键 - 有关方向模式的详细说明, 请参阅本手册的第9页



规格

兼容: 适用SJCAM大多数相机, 并兼容SJ8PRO、SJ8PLUS、SJ8AIR、SJ7、SJ6云台控制
及适用其它各品牌运动相机

材料: 复合材料

重量: 370克

颜色: 黑色

倾斜旋转范围: 320°

滚动旋转范围: 320°

平移旋转范围: 640°

角度震动范围: $\pm 0.01^\circ$

工作电压: 3.2V~4.0V

电池: 锂离子电池, 2600MAH

电池运行时间: 单独使用约6个小时

连接相机供电使用约2-2.5小时

充电连接器: TYPE C型接口





超长续航

独立续航时间可达到6小时。它还可以直接连接运动相机以供外部供电，供电使用约2-2.5小时从而为您带来更愉悦的拍摄体验。





三轴手持相机稳定器

无论骑行，滑雪，跳伞还是其他运动场景，稳定器都能为您保证照片和视频的质量。





延时摄影





稳定器充电

首次使用之前请务必给电池充满电，电池充满电的时间大概需要 3.5 小时。

使用Type-C USB线连接稳定器
通过壁式充电器（或其他电源）充电端口。

插入Type C USB端口：给稳定器充电



4个LED灯指示灯

4个指示灯亮表示功率为100%
3个指示灯亮表示功率为75%
2个指示灯亮表示功率为50%
1个指示灯亮表示功率为25%
指示灯快速闪烁：充电状态
指示灯固定：完全充电状态





相机安装



相机镜头与俯仰电机相反朝外
请在电源关闭的情况下安装相机



如图，俯仰电机放至左侧，将相机
紧贴固定座和防震棉放置，拧紧螺丝，
确认安装牢固

操作指令

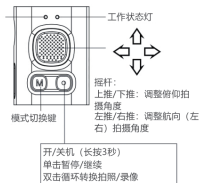


操纵杆

向右/向左平移
向上/向下倾斜



模式



扳机键：
长按（保持）：快速锁定
双击：快速归中
（相机回到开机初始位置）



模式切换键	工作模式	工作状态灯	说明
单按	航向跟随	单闪（亮短减长）	俯仰和横滚轴锁定，镜头随手动方向平移转动
连续双按	双轴跟随	双闪	横滚轴锁定，镜头随手动方向平移 / 俯仰转动
连续三按	三轴全锁定	三闪	镜头始终保持同一方向拍摄
连续四按	三轴全跟随	单闪（亮长减短）	俯仰、航向、横滚三轴跟随
长按6秒	校准模式	常亮	水平方向有角度偏差，航向轴在静止时有小角度漂移可选择此模式修正



APP 操作說明

- 1) 打开手机蓝牙
- 2) 打开 APP “SJCAM ZONE”，选择云台稳定器标示（蓝牙将自动连接稳定器，无需进入手机蓝牙设置手动连接）。
- 3) App 连接稳定器：根据 APP 提示确认配对并连接稳定器

应用程序上的其他功能（检查蓝牙是否已连接并且蓝牙指示灯稳定亮起）。

1. 移动延时摄影
2. 远程控制：
 - A. 操纵杆：航向（左右）和俯仰角度调整
 - B. 模式切换
 - C. 快速归中和翻转
 - C. 个性化参数设置（可以保存为首选项）：
 - A. 跟随速度设置
 - B. 操纵杆速度设置
 - C. 微调（横滚和俯仰角度）
 - D. 跟随死区区间
 - E. 操纵杆方向切换
 - F. 电机扭力设置
4. 一键校准 和固件升级。





稳定器初始化（校准）

当稳定器出现以下情况时需要初始化：

- 1) 在启动后俯仰角与竖直线有小角度偏差；
- 2) 横滚角与水平线有小角度的偏差；
- 3) 保持航向静止时，航向角有频繁的小角度漂移

稳定器初始化的方法：

方法 1：离线初始化（校准）：

- 1) 稳定器正常启动后（大概需要 3 秒），长按工作模式键 6 秒以上，直至工作模式灯常亮。
- 2) 将稳定器放置在静止的平面，俯仰电机平面与水平面贴合，确保稳定器没有抖动。工作模式灯三次闪烁后表示初始化完成。
- 3) 关闭稳定器电源并重启，如初始化失败，则可重复步骤（1）（2）。

方法 2：通过 APP “SJCAMZONE” 进行 6 面初始化（校准）

打开 APP——SJCAMZONE，并确认稳定器与蓝牙连接成功，进入 6 面校准后，根据操作提示进行 6 面校准。

* 如仍未达到理想水平状态，请进入 APP 设置——微调——横滚，对横滚轴进行角度微调

*如果云台在水平方向上仍然不是很稳定，请转到APP设置

☐ -Trim-调整滚动角度，稍微修改滚动轴数字



固件升级 免责声明

固件升级

打开 SJCAM ZONE，并确认稳定器与蓝牙连接成功，进入固件升级，根据操作提示更新并升级最新固件。

免责声明

1. 请按照使用指南正确安装和使用。
2. 请务必使用标配的电池充电器。
3. 请确保云台稳定器和手机安装好了以后再开机。
4. 请将电池远离火源和热源！
5. 禁止任何用户将本产品用于任何非法用途！用户为自己购买和使用本产品承担一切行为后果，任何违反规定的，属于用户个人行为为我司概不负责，亦不承担任何法律责任。
6. 我司对于任何从非正常渠道获得或不明途径的产品。将不予售后服务。
7. 在使用本产品有任何的问题，请联系我司的技术服务人员，我司不承担任何因客户使用不当或者主观判断的责任。
8. 本公司保留一切解释权。



安装指南

下载安装“SJCAMZONE”APP

iOS 系统请在 App Store 搜索“SJCAMZONE”安装 Android 系统请在“腾讯应用宝”搜索“SJCAMZONE ” 安装 或者使用手机扫描下方二维码进行安装



iOS



Android

* 要求使用 IOS 9.0 及 Android 8.0 或以上系统



GIMBAL 2

p. 27

www.sjcam.com

SJCAM
EMPOWER YOUR DREAMS

物品清单

手持三轴稳定器 x 1, Type-C USB线 1, 稳定器收纳盒 x 1,
说明书(内含保修卡) x 1 本, 运动相机控制线 x 2

其他配件可从SJCAM Webstore单独购买: sjcam.com/shop





For iOS



For Android



扫描并下载 APP
Scan and download the APP

官方网站: www.sjcam.com | 支持: support@sjcam.com
Official website: www.sjcam.com | Support: support@sjcam.com
有关最新的详细手册, 请检查 <http://sjcam.com/manual>
For latest detailed manual, please check <http://sjcam.com/manual>