

# Gimbal Structure



- - 4.Pan axis
  - 6.Shifter Lever
    - 8.USB port
    - 10.18650 Li-ion battery
    - 12.Charging indicator

# Packing List

11.1/4 inch screw thread

3. Tilt axis

5.ON/OFF

9. Joystick

7. Power indicator

	Camera protection sticker for pan axis motor	1
	Smooth II gimbal	1
•	Counterweight	1
	Micro USB cable	1
	18650 Li-ion battery	1
	User Manual	1

# **Ouick Guide Start**







[Battery indicator] 190% -100% :flashes 4 times 275%-90%:flashes 3 times 355%-75% :flashes 2 times 430%-55% :flashes 1 times 5 0% -30% :flashes frequently. return back previous mode. >Pan following mode: pitch and roll are locked. Pan rotates smoothly following the pedestal or handle. Push up or down the joystick to adjust the pitch and roll are locked. Push up or down the joystick to adjust pitch angle. Push left or right to adjust pitch angle. Push left or roll is locked. Pitch and pan rotate smoothly following the pedestal or handle. Push left or right to adjust roll angle. th st Blueto us ind cator] ①Before connecting device: continuously flas Connected: continuously bright;
 Device switching: flash 1 time. 2)Cor [Charging indicator] Charging: red light; Charging completed: Note: All the operations are based on gimbal's function. green light. ch] Charging voltage: 5V Charging current: 100mA ≥50 working hours (theoretically ) □ "t ic lithium polymer battery with a Up: turn on; Down: turn off. [Device switch] Up: connecting gimatiphone. [Multifunction button] While the gimbal is connected, single p this button, the gimbal returns back to original working position. switch ] Built-in lithium polymer battery with a capacity of 150mAh Transmit and receive current: 11.9mA Normal operating current: 2.8mA press Effective control distance : 10m ( no obstructio Interfaces and Buttons Descriptions ON/OFF 1.Power (Press and hold on for more than 3 seconds). 2.The "Confirm" button of the APP menu.



Shifter Lever Help focus when taking a photo by APP.
 The "UP/DOWN" button of the APP menu.



#### Power Indicator Light 1. The yellow light is the indicator of switching on/off the gimbal (Switch on: the light quickly

- flashes for 3s and keeps on for 1s, then goes out; Switch off: the light quickly flashes for 3s then goes out).
- 2. The blue light is the indicator of power(Flashes 4 times: 75%-100%;Flashes 3 times: 50%-75%; Flashes 2 times: 25%-50%;Flashes rapidly: 0%-25%).

# Joystick

1. The joystick helps adjust four directions of the camera. 2. Press the joystick to switch modes. The default mode is Pan Following Mode, single press the joystick to switch to Locking Mode, single press the joystick again to go back to Pan and tilt Following Mode.



- Mode switch: Pan following mode is default mode, single press the Joystick to switch Pan following mode and Locking mode. Double press the Joystick to enter Pan and pitch following mode. In this mode, single press the Joystick again to go back to previous mode.
- Pan following mode( default): Pan axis( rotation left and right) follows the movement of the gimbal, while the camera remains locked in tilt (up and down) and roll (level) to remain upright. In this mode, move the Joystick UP/DOWN to adjust tilt angle.
- Locking mode: All three axes(pan, tilt and roll) are locked and the gimbal faces in one direction only. In this mode, move t Joystick UP/DOWN to adjust tilt angle. Move the Joystick LEFT/RIGHT to adjust roll angle. move the
- Pan and tilt following mode: Roll axis is locked, tilt and pan axis rotate to follow the movement of the gimbal. In this mode, move the Joystick LEFT/RIGHT to adjust roll angle.

# 8

# Initialization



- Initialization may be required if the following behavior is obser /ed: 1. After the gimbal starts, the tilt angle of the camera deviates slightly from a level position.
- 2. After the gimbal starts, the roll angle of the camera deviates slightly
- from a level position. 3. When remaining still, the pan axis makes frequent small angle
- corrections.
- Initialization process: 1. Install the camera and batteries correctly.
- 2. Press and hold on the power button for more than 3 second and the gimbal starts to work. 3. Press the joystick and the gimbal enters standby mode.
- 4. Place the gimbal on a level surface in any position where the gimbal will stay stationary, keep it still for more than 30 seconds and the initialization will complete automatically.

#### 9 **On-line Calibration**

Gimbal calibration may be required in the following circumstances:

1. If there is deviation in the starting angles on roll or pitch that is not corrected by the Initialization process. 2. If the gimbal has not been used for a long period of time 3. If the temperature of the operating environment has changed considerably since the gimbal was last calibrated. (The built-in electronic gyroscope can be affected by extreme temperature changes).

### **Calibration Method**

For online calibration, please log in Zhiyun official website: m to download Zhiyun Gimbal Tools and the USB Driver, and follow the tutorial video at the right bottom of home page. Or connect the Zhiyun APP(Zhiyun Assistant) to do calibration.



10 APP





nbal with smartphone		
्राष्ट्र Settings	S	
SIM card management		
穼 WLAN	$\bigcirc$	
🚷 Bluetooth	P	
	//	

Data traffic managem Open the Bluetooth in phone settings.

Place the smartphone nearby the gimbal, and then the waiting page shows the gimbal name. click the name to connect.

### Download APP



First, please download APP from our official website: www.zhiyun-tech.com .Android users also can scan the left QR Codes to download. For iOS users, please search and download APP (ZhiYun Assistant ) from APP Store.

# Attention: Please refer to the latest APP version. More fun waiting for you to experience.



Monitor interface To check whether there is deviation in three axes in case for calibration.



Calibration interface

When the gimbal three axes deviate

slightly from a level position, the

gimbal needs calibration. Click

START CALIBRATION, and the place gimbal as shown in the APP until the calibration is complete.



# Control interface Directly switch operating mode and all functions corresponding to the joystick.



Update interface Check whether the firmware is the latest one. If not, please upgrade the firmware.

### Warning and Disclaimer

To ensure proper use of the batteries, please read the following information carefully prior use. Do not expose to, dispose of the battery in fire.
Do not put the battery in a charger or equipment with wrong terminals connected. Avoid shorting the battery e cessive physical Do not disassemble or deform the battery.Do not immerse in water. • Do not use the battery mixed with other different make, type, or model batteries. Keep out of the reach of children. . Charge and discharge Battery must be charged in appropriate charger only. Never use a modified or damaged charger. Do not leave battery in charger over 24 hours. storage Store the battery in a cool, dry and well-ventilated area. Any illegal use of this product is forbidden. Users are responsible for using this product correctly and in accordance with the instructions provided: either in the manual or any online revisions. The company is not responsible for any damage caused while using this product; including direct, indirect or third party loss. Due to the company's policy of continuing improvement: firmware upgrades and changes to the software program may lead to changes in the product's functions to those described in the User Manual. Therefore please read the upgrade instructions carefully

upgrading the firmware and operate the product in before accordance with any revised instructions. For the latest User Manual, firmware upgrades and online calibration program: please download from our official website: ww.zhiyun-tech.com

The company( Guilin Zhishen Information Technology Co., Ltd) reserves the rights to amend details or specifications at any time.



Federal Cor

Tel:+86 773 2320856 Web:www.zhiyun-tech.com

E-mail: service@zhiyun-tech.com

Address: Creative Industrial Park, GuiMo Road, QiXing District, Guilin 541004, Guangxi, China. ation Commission (FCC) Radiation Exposure Statem

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure equirements. FCC sta

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. NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized

odifications or changes to this equipment. Such n odificat nanges could void the us s aut ority to operate the equipment. NOTE: This equipment has be ed and found to comply with the limits for a Class B digital device en test

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 commu inications. However, there is no guarantee that interference will not occur in a particula stallation. If this equip nt does ca nful interfer ce to radio or television reception, which ca e harı n b 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 an Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different f at to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.