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art. no.: 194 / batch no.: 20314



 SILVERGEAR



Gimbal Stabilizer Manual

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## CONTENT



GIMBAL STABILIZER ×1



MICRO USB CABLE ×1



USER MANUAL ×1

## DISCLAIMER

Thank you for purchasing our Stabilizer. Before you start please read this manual and become familiar with the Stabilizer's components and operating modes to ensure proper operation. Failure to read and follow the instructions and warnings may result in injury or damage to the device.

## SAFETY OPERATION GUIDELINE

Use of the battery in environments above 40° can lead to a fire or explosion. Use of battery below 0° can lead to serious damage.

### CHARGING THE BATTERY

1. Always use the included charger. Silvergear takes no responsibility if the battery is charged using a different type of charger.
2. Do not put the Stabilizer near flammable materials or on flammable surfaces (such as carpet or wood). Never leave the battery unattended during charging to prevent any accident.
3. Do not charge the battery immediately after use, the Stabilizer's temperature may be too high. Do not charge the battery until it cools down to near room temperature. Charging the battery with its temperature over 40° or lower than 5° may lead to leakage, overheating, or battery damage.
4. Make sure there is no damage to the enclosure, cord, plug or other parts of the charger. Never use a damaged charger. Do not clean the charger with denature alcohol or other flammable solvents.
5. The intelligent battery stops charging when it is full. Disconnect when fully charged.

### STORAGE

1. Do not leave the Stabilizer near heat sources such as a furnace or heater or expose inside of a vehicle on hot days.
2. Store the Stabilizer in a dry environment.
3. Do not leave the Stabilizer unused for too long after it has been completely discharged to prevent over-discharge of battery which may result in battery damage and permanent damage.

### TRAVEL NOTICE

Discharge the battery power to 5% or lower before carrying the battery on an air flight.

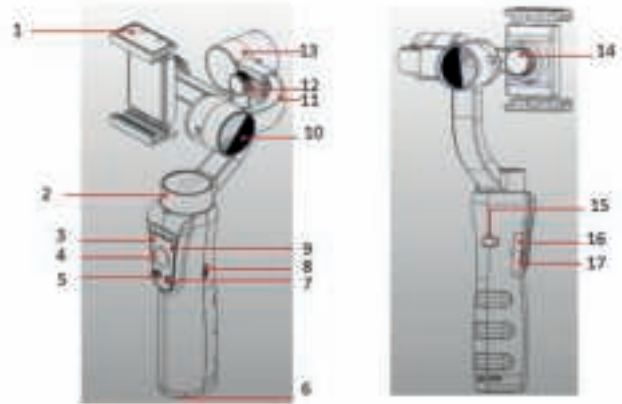
## SAFETY OPERATION GUIDELINE

1. The Stabilizer is a high precision control device and may result in malfunction when it's dropped.
2. Make sure the rotation of the Stabilizer axes is not blocked by external force when the Stabilizer is powered on.
3. The Stabilizer is not waterproof or water-resistant. It is recommended to use a dry cloth for cleaning.
4. Protect the Stabilizer from dust and sand during use.

### NOTICE

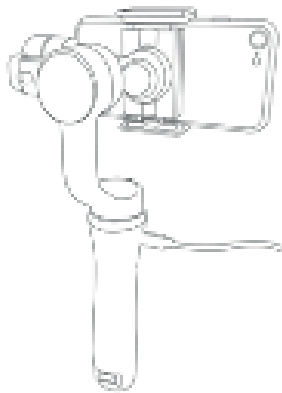
1. Hold the Stabilizer's handle still when it is powering up.
2. Make sure the batteries are fully charged before each time of use.
3. Discharge the battery to 40%-65% if it will not be used for over 10 days. This can extend the battery life.
4. Charge the battery completely once every 3 months to keep it active.

## SPECIFICATIONS



- |   |                                    |  |
|---|------------------------------------|--|
| 1. Mounting clip  | 8. Shifter lever<br>(zoom control) | 14. Mounting clip adjustment knob                  |
| 2. Pan motor  | 9. Status indicator                | 15. Shooting                                       |
| 3. Battery level indicator                              | 10. Tilt motor                     | 16. Micro USB charging port                        |
| 4. Joystick   | 11. Arm adjustment                 | 17. Power output port<br>(For charging smartphone) |
| 5. Power ON/OFF   | 12. Roll balance thumbscrew        |  |
| 6. 1/4 thread screw<br>(For extension poles or tripods) | 13. Roll motor                     |  |
| 7. MODE select  |                                    |  |

## USB CONNECTION



### IN-USE CHARGING

Connect the Micro USB port on the side of the Stabilizer's handle to a power source such as a power bank (not included) to extend the runtime.

### MOBILE CHARGING

The USB port at the bottom of the Stabilizer handle can be used for charging your smartphone while in use on the Stabilizer.

An L-shape charging connector is required when the smartphone is mounted horizontally on the mobile clamp.

## MOUNTING CAMERA

Place the smartphone on the mounting clip, as shown. Slide the smartphone all the way to right until it touches the tilt motor.

Remove phone: first turn OFF the Stabilizer, then remove phone from the Stabilizer by opening the mounting clip.



## CHECKING BALANCE

If the smartphone does not stay leveled when mounted, please do as follows:

**NOTE:** turn ON the Stabilizer AFTER step 3.

**Step 1:** Loosen the roll balance thumbscrew.

**Step 2:** Make small adjustments by sliding the horizontal arm, until the smartphone intersects the Stabilizer with a 70-100 degree.

**Step 3:** Tighten the thumbscrew after the phone is well balanced in level to ensure normal operations. Turn ON Stabilizer.



**NOTE:** Proper adjustment of balance ensures better power saving during operation.

The Stabilizer may still function well when the gravity center is not properly configured; however, it may lead to more power consumption on the motor and can greatly affect the torque output.

## PANEL INTRODUCTION

POWER indicator light  
Micro USB charging port

Power output port  
Power ON/OFF



Status indicator light  
Joystick

Zoom control  
Mode

### Power indicator light port

Blue light ON: enough remaining battery power.  
Power light flashes: low battery.

### Micro USB charging port

- Connect the micro USB port to a portable power source such as a USB power bank to extend runtime.
- Use a cable for charging the Stabilizer when it's out of power.

### Zoom control (app control only)

Use the zoom slider to control up (zoom in) and down (zoom out).

### Status indicator light

- Blue light: the Stabilizer is in operation.
- Green light: the Stabilizer is ready to use.
- Red light ON: low on battery - shut down. Red light flashes: - Stabilizer overload - shut down.
- Yellow light: error - shut down - restart.

### Joystick

Control movement up/down (tilt motor) and left/right (pan motor)

\*The joystick can be used in all 3 modes

### Power ON/OFF

Power on: press and hold the power/shooting button for 4 seconds until the status indicator light flashes blue and then turns to green.

Power off: press and hold the power button for 3 seconds.

Double click the front and back lens to switch.

Triple click to switch from photo to video.

### Shooting function

After Bluetooth is connected between the mobile and Stabilizer use the shoot button to take photos or videos. Double click: photos can be taken continuously.

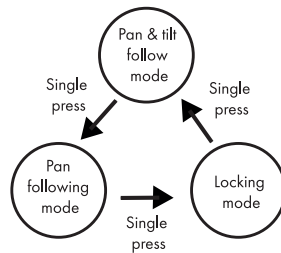
### Mode button

Press to switch between the 3 modes that you have set. Double click the Mode button to bring the camera to its original position.

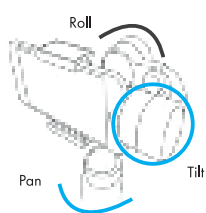
## OPERATING MODES

### SWITCHING STABILIZER MODES

Press the power button, the Stabilizer enters pan & tilt follow mode each time when powered on (default mode).  
Single click mode button to switch into pan following mode.  
Single click the mode button to enter lock mode.



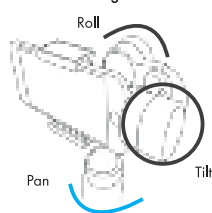
### Pan & tilt follow mode



Roll axis is locked.  
The camera pans (left/right) and tilts (up/down) are following the movement of camera.

Push joystick up and down to control the tilt of camera, use joystick left and right to manual pan left/right

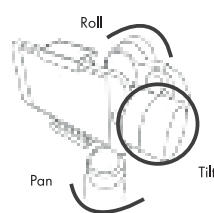
### Pan following mode



Tilt & roll are locked.  
Pan axis rotates (left/right) smoothly with turn of the wrist.

Push joystick up and down to control the tilt of camera, use joystick left and right to manual pan left/right

### Lock mode



Tilt & roll are locked.  
Pan axis rotates (left/right) smoothly with turn of the wrist.

Push joystick up and down to control the tilt of camera, use joystick left and right to manual pan left/right

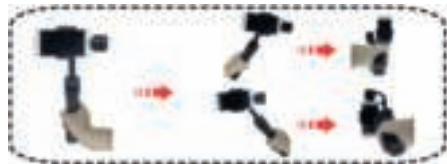
## CHANGE ORIENTATION

The Stabilizer comes with 2 different ways for change orientation

### Switching from horizontal to vertical

Keep the phone facing you and rotate the Stabilizer handle over 70 degrees in counterclockwise direction, the Stabilizer will enter vertical shooting mode (phone camera upwards).

Keep the phone facing you and rotate the Stabilizer handle over 70 degrees in clockwise direction, the Stabilizer enters vertical shooting (phone camera downwards).



### Switching mount direction

**Step 1:** Loosen the mounting clip thumbscrew and rotate the clip to vertical direction

**Step 2:** Place your smartphone on the clip

**Step 3:** Tighten the clip thumbscrew to ensure normal operations.



## APP OPERATION & BLUETOOTH CONNECTION

**Step 1:** Turn on Bluetooth in your smartphone's setting menu.

**Step 2:** Power on the Stabilizer and connect the Stabilizer to your smartphone

**Step 3:** Scan the QR Code (for Android + iOS) to download the app: Gimbal Pro.



**Step 4:** Open the Stabilizer app and search for the Stabilizer Bluetooth signal by selecting the Bluetooth icon in the pop-up screen.

Use the app for zoom slider to control up (zoom in) and down (zoom out) and extra function settings, such as face tracking, smart object tracking, panorama shooting and time-lapse.

## PRODUCT SPECIFICATIONS

	Min.	Standard	Max.	Remarks
Input Vol.	3.4V	3.7V	4.2V	
Operation Current	150mA	1500mA	3000mA	
Operation Temperature	0°		40°	
Operation Time		12h		Well balanced with camera mounted
Weight		423g		
Pitch Angle Range		325°		
Roll Angle Range		180°		
Pan Angle Range		330°		
Compatible Models	Smartphone with sizes under 6.0 Gopro3/4/5/6			
Controllable Pitch Angle	-155°		+155°	
Controllable Roll Angle	-30°		+30°	
Controllable Pan Angle	-155°		+155°	
Payload		75~200g		
Charging Time		3H		
Charging Voltage		5V		
Charging Current		1A		
Power Output Voltage		5V		
Power Output Current		1A		