Instructions

Guilin Feiyu Technology Incorporated Company

User Manual   EN V1.2
# Catalogue

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1. G6 Plus Overview

Accessories

- **Micro USB Cable**: X1
- **26650 Li-ion Battery**: X1
- **Mount Adapter**: X1

Introduction of Interface and screws

1. **Thumb Screw**
   - Used for fixing the camera or mobile phone to the adjustment sliding plate.

2. **Adapter Thumb Screw**
   - Used for fixing the adjustment sliding plate.

3. **Micro USB Port**
   - (1) Used for charging the gimbal (input 5V / 2A), the gimbal can be used while being charged, but it is not available for external power supply.
   - (2) Used for firmware upgrade (computer), please refer to the firmware upgrade operation steps for details.
   - Please stuff up this port by the dustproof plug when it is not in use.

4. **1/4-20 Thread Mount**
   - Used for expand other accessories, such as the tripod which built-in 1/4 inch screw, extension rod and so on
Introduction of Display and Buttons

1 Display
- Bluetooth
- Battery Level
- WiFi
- Modes
- Camera Mode

2 Joystick
- Left
- Right
- Up
- Down

3 Function Button
- Long press: Power on / Power off
- Single tap: Panning Mode / Lock Mode
- Double tap: Follow mode
- Triple tap: Rotate 180° in horizontal
- Quadruple tap: Auto-rotation Mode
- Five tap: Initialization

4 Shutter Button
- Refer to Page 8
- After connecting the gimbal to camera via Feiyu On App, shutter button can control the camera for shooting.
- Please refer to the chapter "Connecting to camera" in page 13

5 Setting Button
- Long press: Switch the interface for camera parameters
- Single tap: Switch camera modes / main interface
- Please refer to the chapter "Connecting to camera" in page 13

6 Horizontal Adjustment Button
- (After connecting your camera)
- You can control the horizon angle via the horizontal adjustment button.
- Refer to Page 10

7 Trigger Button
- Press and hold: Lock Mode
- Double tap: Reset

8 Multifunction Knob
- (1) Achieve the control to the focal length of camera, such as follow focus, zoom.
- (2) Achieve the control to the angle of three axes of the gimbal

Refer to Page 10

Refer to Page 8

Refer to Page 9

Refer to Page 10

Refer to Page 8

Introduction of Axis and Knob

1 Tilt Axis
- Take the camera lens as the base point, and control the camera lens to move upward or downward by tilt axis.

2 Tilt Axis Knob Ring
- Used for fixing the sliding arm.

3 Roll Axis
- Take the camera lens as the base point, and control the camera lens to tilt to the left or tilt to the right by roll axis.

4 Roll Axis Knob Ring
- Used for fixing the cross arm.

5 Pan Axis
- Take the camera lens as the base point, and control the camera lens to turn left or turn right by pan axis.

6 Pan Axis Knob Ring
- Used for fixing the vertical arm.

Introduction of Other Components

1 Sliding Arm
- Used for adjusting the up and down centre-of-gravity position of tilt axis.

2 Adapter (Clamping plate)
- Used for fixing the camera.

3 Adjustment Sliding Plate
- Used for adjusting the front and back position of camera so as to adjust the front and back centre-of-gravity position of tilt axis

4 Cross Arm
- Used for adjusting the centre-of-gravity position of roll axis.

5 Vertical Arm
- Used for adjusting the centre-of-gravity position of pan axis.

6 Handle
- Used for holding the gimbal by one hand.
2. Quick Start Guide

1. Install Battery

Remove the bottom cap, insert a 26650 battery and then tighten the cap.

<table>
<thead>
<tr>
<th>Type</th>
<th>26650</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>5000mAh</td>
</tr>
</tbody>
</table>

2. Charging

**TIP** Please fully charge the battery before powering on the gimbal for the first time.

Charging with Micro USB cable as shown below.

3. Put the Camera / Smartphone on

**Put the Camera on**

Correctly place the camera on the adjustment sliding plate, and tighten it with thumb screw in the middle sliding chute.

You can also take down the adjustment sliding plate from the adapter, install it to the bottom of the camera, and then install it to the adapter.

If the camera doesn’t have the 1/4-20 screw hole, please put the camera on mount adapter (optional accessory), and tighten it with thumb screw in the middle sliding chute.

Available mobile phone width: 57~84mm

**Put the Smartphone on**

Correctly place the smartphone on the smartphone adapter (optional accessory), and tighten it with thumb screw in the middle sliding chute.

Compatible for Reference:

- Pocket Camera
- ILDC
- GoPro Sports Camera

Smartphone installation
**Balance the Gimbal**

- **Power on / off**
  - Long press the function button, the display will show 📲 and release it when you hear the beep tone.

**NOTE**
- Unbalanced center of gravity can lead to a decrease in stability, even the camera cannot be balanced.

Power on the gimbal after the center of gravity of 3 axis is balanced.

Please refer to the follow chapter "Balance the Gimbal" for operation.

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**3. Balance the Gimbal** (Before power on)

**1. Balance Adjustment of the Pan Axis**

* After adjustment, be sure to tighten the pan axis knob ring

**Steps**

1. Hold the handle of gimbal, keep the handle parallel to the level ground.
2. **Loosen** the pan axis knob ring  
   (Slightly loose until the vertical arm can be moved)
3. **Move and adjust the position of vertical arm**, until the vertical arm is parallel to the level ground
4. **Tighten** the pan axis knob ring

![Diagram of Pan Axis](image)

*Vertical Arm*

*Loosen*  
Pan Axis Knob Ring

*Move*  
Vertical Arm

**After adjustment**  
Vertical arm is parallel to the level ground

---

**NOTE**

1. Please mount the camera or smartphone before powering on the gimbal.
2. When the battery is low, please charge the gimbal.
3. When not in use, turn off the gimbal and then remove the battery.
2 Balance Adjustment of the Roll Axis

* After adjustment, be sure to tighten the roll axis knob ring

**Steps**

(1) Stand the gimbal on level ground.

(2) **Loosen** the roll axis knob ring  
(Slightly loose until the roll arm can be moved)

(3) **Move and adjust the position of roll arm**, until the camera is parallel to the level ground.  
(Refer to lever principle)

(4) **Tighten** the roll axis knob ring
**Balance Adjustment of the Tilt Axis**

**Step 1**

1. Stand the gimbal on level ground.
2. **Loosen** the tilt axis knob ring
   (Slightly loose until the sliding arm can be moved)
3. **Move the sliding arm to the lowest position.**

**Step 2**

* After adjustment, be sure to tighten the thumb screw

1. **Loosen** the thumb screw on the bottom of the adapter (Clamping plate)
   (Slightly loose until the adjustment sliding plate can be moved)
2. **Move and adjust the position of adjustment sliding plate,**
   until the camera lens is parallel to the level
3. **Tighten** the thumb screw

**Step 3**

* After adjustment, be sure to tighten the tilt axis knob ring

1. At any pitching angle, give an angle to the camera at random.
2. **Slightly adjust the position of sliding arm,** until it keeps still without shaking
3. **Tighten** the tilt axis knob ring

After adjustment
Camera lens is parallel to the level ground

After adjustment
At any pitching angle, it can keep still without shaking
4. Basic Operation

Modes

**Panning Mode** (Default mode)
The roll and tilt direction are fixed, and the camera moves according to the left-right movements of the user’s hand.

**Follow Mode**
The roll direction is fixed, and the camera moves according to the left-right movements, up-down movements of the user’s hand.

**Lock Mode**
The orientation of the camera is fixed.

**Reset**
Return to panning mode, three axises return to default position.

---

**Introduction of Display**

<table>
<thead>
<tr>
<th>Display icon</th>
<th>Mode / Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF</td>
<td>Panning Mode</td>
</tr>
<tr>
<td>AF</td>
<td>Follow Mode</td>
</tr>
<tr>
<td>LK</td>
<td>Lock Mode</td>
</tr>
<tr>
<td>📺</td>
<td>Bluetooth is connected</td>
</tr>
<tr>
<td>🎥</td>
<td>Bluetooth is not connected</td>
</tr>
<tr>
<td>SET WIFI VIA APP</td>
<td>Prompt for users to open the App settings in order to connect via WiFi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display icon</th>
<th>Mode / Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌋</td>
<td>Battery Level</td>
</tr>
<tr>
<td>📸</td>
<td>Camera photo shooting</td>
</tr>
<tr>
<td>📹</td>
<td>Camera video shooting</td>
</tr>
<tr>
<td>🌟</td>
<td>WiFi is connected</td>
</tr>
<tr>
<td>🌟</td>
<td>WiFi is not connected</td>
</tr>
<tr>
<td>📷</td>
<td>Camera is not connected</td>
</tr>
</tbody>
</table>

Please refer to the chapter "Connecting to camera" in page 13
After connecting the gimbal to camera / smartphone via Feiyu On App, single tap it to control the recording of the camera / smartphone.

| Single tap | Panning Mode / Lock Mode |
| Double tap | Follow mode |
| Triple tap | Rotate 180° in horizontal |
| Quadruple tap | Auto-rotation Mode |
| Five tap | Initialization |

- Single tap to switch between panning mode and lock mode
- Under all follow, single tap to switch to locking mode
- Single tap to switch between panning mode and lock mode
- Enter auto-rotation mode
  Please refer to the chapter "Auto-rotation Mode" in page 12
- Enter initialization
  Please refer to the chapter "Gimbal Initialization" in page 14

Note: The firmware upgrade may occur manual operation function and the actual product features do not match. Please find the latest manual on the official website.

On the main interface of the gimbal display

| Single tap | Shooting / Start shooting / Stop shooting |
| Single tap | Shooting / Start shooting / Stop shooting |

Please refer to the chapter "Connecting to camera" in page 13
Setting Button - operation

After connecting the gimbal to camera via Feiyu On App, the setting button can switch the camera modes. Using the setting button and joystick to setup parameters.

Please refer to the chapter "Connecting to camera" in page 13

Switch Camera Modes

Main interface of the display screen

Setting Button

Single tap

Switch camera modes

Camera photo shooting

Camera video shooting

Support Cameras for Reference:
Sony RX0 / GoPro HERO series sports cameras / Panasonic LX10 / Panasonic GH4

Setup Parameter

Main interface of the display screen

Setting Button

Long press

Single tap

Interface for camera parameters

WB
ISO

White Balance
Light Sensitivity

Using the joystick to set up parameters

Setting Parameters:

<table>
<thead>
<tr>
<th>Joystick</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move to right</td>
<td>To the right option / Confirm</td>
</tr>
<tr>
<td>Move to left</td>
<td>To the left option / Cancel</td>
</tr>
<tr>
<td>Move to up / down</td>
<td>Modify Parameters</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WB Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWB Auto white balance</td>
</tr>
<tr>
<td>☀ Daylight</td>
</tr>
<tr>
<td>🌾 Shade</td>
</tr>
<tr>
<td>☁ Cloudy</td>
</tr>
<tr>
<td>🌞 Tungsten</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ISO Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>auto</td>
</tr>
<tr>
<td>100</td>
</tr>
<tr>
<td>125</td>
</tr>
<tr>
<td>200</td>
</tr>
<tr>
<td>400</td>
</tr>
<tr>
<td>800</td>
</tr>
<tr>
<td>1600</td>
</tr>
<tr>
<td>3200</td>
</tr>
<tr>
<td>6400</td>
</tr>
<tr>
<td>12800</td>
</tr>
</tbody>
</table>
Horizontal Adjustment Button - operation

You can control the horizon angle via the horizontal adjustment button. The control angle is -30° ~ +30°

Trigger Button - operation

Press and hold | Quickly follow
---|---
Double tap | Reset

In the panning mode or follow mode, press and hold the trigger button to enter quickly follow, release it to return previous mode.

Return to panning mode, tilt, roll and pan axis return to initial level.

Multifunction Knob - Zooming control / Follow focus / Control 3 Axis

Single tap | Switch adjustment option
---|---
Rotate | Adjust by rotating
Long press | Select the device you want to control

Control Camera

Long press the multifunction knob

Control Gimbal

Display
- Zoom
- Follow Focus

Explanation
- Zooming control
- Follow focus

* After connecting your camera
Please refer to the chapter "Connecting to camera" in page 13
App - Download and Connecting

Download and Install Feiyu ON App

Or search and download the Feiyu ON App on the following application platform:

App Store  Google play

Connecting App

Turn on the Bluetooth and run the App on smartphone, follow on the instructions to connect smartphone to gimbal via bluetooth.
5. Advanced Operation

**Manual Lock**

Camera can be manually positioned while in panning mode, follow mode or lock mode. Both the pan axis and tilt axis can be manually set up.

Manually move camera to desired position, and hold for half a second. New tilt and/or pan positions are automatically saved.

*Take the tilt axis setting for example:*

**Auto-rotation Mode**

The G6 Plus gimbal can easily create constant speed movements in the auto-rotation mode. This mode can be used for recording both regular video and motion timelapse photography. For better performance, attach gimbal to the FeiyuTech tripod, or other tripod, to keep it completely still.

*Set rotation speed in Feiyu ON App*

Both the pan and tilt directions can be rotated.

Connect to the Feiyu ON App and select desired speed from the auto-rotation mode rate option in the settings menu.

<table>
<thead>
<tr>
<th>G6 Plus Rotation Speed</th>
<th>9s/turn</th>
<th>18s/turn</th>
<th>24s/turn</th>
<th>30s/turn</th>
<th>1min/turn</th>
<th>2min/turn</th>
<th>4min/turn</th>
<th>8min/turn</th>
<th>15min/turn</th>
<th>30min/turn</th>
<th>1h/turn (Default)</th>
<th>4h/turn</th>
<th>8h/turn</th>
</tr>
</thead>
</table>

(1) **Enter auto-rotation mode**

Enter auto-rotation mode by quadruple tapping the function button.

(2) **Set rotation start position**

Record the first position (rotation start position) by manually moving camera to desired position. Hold in position for half a second. Single tap the function button to record rotation start position.

(3) **Set rotation end position**

Record the second position (rotation end position) by manually moving camera to desired position. Hold in position for half a second. Single tap the function button to record rotation end position.

(4) **Start auto rotation movements**

The gimbal automatically restores to the start position, while the tilt axis and pan axis start rotating at a constant speed according to pre-set speed to end position, repeat step (2) (3) to start again.

**Exit**

Double tap Trigger button

Exit the auto-rotation mode and reset
Connecting to Camera

G6 Plus gimbal can connect to the camera by Feiyu ON App.

Operations available after connecting to the camera:

<table>
<thead>
<tr>
<th>Button</th>
<th>Operation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting Button</td>
<td>Single tap</td>
<td>Single tap in the main interface of the gimbal display can switch to the camera modes</td>
</tr>
<tr>
<td>Shutter Button</td>
<td>Single tap</td>
<td>On the main interface of the gimbal display, single tap for photo shooting / start shooting / stop shooting</td>
</tr>
</tbody>
</table>

Steps of connecting to camera:

1. Turn on your sports camera's WiFi (2.4GHz)
2. Successively select "Settings" -- "Parameters Settings" -- "WiFi Settings" on Feiyu ON App
3. Select camera model
4. Select your camera connection name and enter the correct connection password of your camera
5. Waiting for connecting
6. Connect successfully

If icon appears on the display screen, it means the gimbal failed to connect to the camera, try to restart gimbal or camera, or reconnect according to above steps.

If the WiFi is not connected for a long time, please restart the camera's WiFi.

Firmware Upgrade

Connect the gimbal to the Feiyu ON App, to upgrade the firmware through the App.
Gimbal Initialization

You can initialize your gimbal when:

(1) When camera is not level
(2) If not used for a long period of time
(3) In case of extreme temperature variations

Adjusting Steps

1. Tap the function button for 5 consecutive times and hear the "beep" sound, and the motor will stop working and "Initing" shows up.

2. Place the gimbal on the table unmoved, and the gimbal automatically detect whether or not it is placed on a static flat surface, and then its initializing will start automatically showing "Initing" on the display, and "Success" will be displayed after the initializing has been successfully completed.

3. After the initialization is done, single tap the function button to wake up and return to the main interface.

NOTE: If the initialization is not successful for a long time, long press the function button to turn off the gimbal, restart it and then initialize.
6. Specifications

Specifications

Product Name: G6 Plus 3-Axis Stabilized Handheld Gimbal for Camera

Max. Tilting Range: 260°
Max. Rolling Range: 320°
Max. Panning Range: 360°
Tilting Speed: 2°/s ~ 75°/s
Panning Speed: 3°/s ~ 150°/s
Operation Time: 9 Hours
Weight: 663g (Not including the battery, camera, camera lens, etc.)
Payload: 800g (In center of gravity balanced state)

Compatible Cameras for Reference:
Sony RX100 / Sony a6300 (16-50 or 28-70mm) / Sony a6500 (16-50 or 28-70mm) / Canon M10 (15-45mm) / Canon G3X, etc.
Sony RX0 / GoPro HERO series sports cameras
Fit for smartphone with smartphone adapter (Optional accessory)

Payload: 800g (In center of gravity balanced state)
Due to software and hardware improvements, your actual product might differ from the descriptions and pictures in this user manual. You can get the latest user manual from the official website.

For more information, please visit our official website:

Website: www.feiyu-tech.com  E-mail: service@feiyu-tech.com  Tel: +86(0)773 2320865

**DISCLAIMER**

Prohibit any user for any illegal purpose. Users will be responsible for all behaviors of purchase and use products. The Company assumes no liability for any risks related to or resulting from the debug and use of this product (including the direct, indirect or third-party losses).

For any unknown sources of using, we will not be at any services.

The updating and changes of product firmware and program may cause changes in function descriptions in this user manual, please read the instructions carefully before upgrading the firmware and use the corresponding user manual.

You can get the latest user manual from the official website: www.feiyu-tech.com

FeiyuTech reserves the right to amend this manual and the terms and conditions of use the gimbal at any time.