3-Axis Stabilized Handheld Gimbal

Guilin Feiyu Technology Incorporated Company

User Manual      EN   V1.4
1. **Product Overview**

- The showing sports camera is not included in the package

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**Accessories**

- Micro USB cable x1
- 26650 Li-ion rechargeable battery x1
- Thumb Screw x2

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**Retainer Bar**

**Tilt Axis**

**Cross Arm**

**Roll Axis**

**Vertical Arm**

**Pan Axis**

**Positioning Pin**

**1/4-20 Thread Mount**

**Mounting Plate**

**Thumb Screw**

**Knob Ring**

**Horizontal Adjustment Button**

**Trigger Button**

**Setting Button**

**Function Button**

**Shutter Button**

**Display**

**Joystick**

**Micro USB Port**

**Handle**

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**1/4-20 Thread Mount**
2. Quick Start Guide

1. Install Battery

Please fully charge the battery before power on the gimbal for the first time.

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

2. Put the camera on

Please mount the camera before power on the gimbal.
When not in use, turn off the gimbal and then remove the camera.

Take the GoPro HERO 5 camera for example.

Put the camera on mounting plate, then tighten the camera with retainer bar and screw.

Put the RX0 camera on

To work with RX0 camera, please change RX0 camera adapter kit.

* RX0 camera adapter kit is optional.

Replacement steps
(1) Loose and take down the original fixed plate of the gimbal
(2) Install RX0 adapter plate and tighten the screw
(3) Insert the set screw of the camera from the bottom of RX0 adapter plate
(4) Place the camera and tighten the set screw

* It is suggested to turn on the camera before installation for normal position.
**3 Balance the Gimbal (Before power on)**

If camera tilts to the left, **loosen the knob ring**, pull cross arm out to the right until camera is horizontal.

![Left-tilting diagram](image1)

If camera tilts to the right, **loosen the knob ring**, push cross arm in to the left until camera is horizontal.

![Right-tilting diagram](image2)

**4 Power on / off**

**Power on / off:** Long press the function button, the display will show ![fly icon](image3) and release it when you hear the beep tone.
3. Charging

Charging for Gimbal

Charging with Micro USB cable

Charging for Camera

Connect the camera with the gimbal via charging cable, the camera can be charged when gimbal is powered on.
4. Functions

**Buttons**
- Display
- Setting Button
- Joystick
- Function Button
- Shutter Button

**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.

**Display**
Main interface of the display screen

- Bluetooth
- HF
- AF
- LK
- Battery Level
- Camera Mode
  - Time-lapse video shooting
  - Photo shooting
  - Video shooting
## Operation and explanation of some buttons

<table>
<thead>
<tr>
<th>Function Button</th>
<th>Function</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single tap</td>
<td>Panning Mode / Lock Mode</td>
<td>Single tap to switch between panning mode and lock mode</td>
</tr>
<tr>
<td>Double tap</td>
<td>Follow mode</td>
<td>Under follow mode, control the pan axis by moving the joystick to the left or right</td>
</tr>
<tr>
<td>Triple tap</td>
<td>Rotate 180° in horizontal</td>
<td>Make the camera lens rotate 180 °</td>
</tr>
<tr>
<td>Quadruple tap</td>
<td>Auto-rotation Mode</td>
<td>Enter auto-rotation mode [Please refer to the chapter &quot;Auto-rotation Mode&quot; in page 8–9]</td>
</tr>
<tr>
<td>Five tap</td>
<td>Initialization</td>
<td>Enter initialization [Please refer to the chapter &quot;Gimbal Initialization&quot; in page 12]</td>
</tr>
</tbody>
</table>

### Trigger Button

<table>
<thead>
<tr>
<th>Function</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press and hold</td>
<td>In the panning mode or follow mode, press and hold the trigger button to enter quickly follow, release it to return previous mode</td>
</tr>
<tr>
<td>Double tap</td>
<td>Return to panning mode, tilt, roll and pan axis return to initial level</td>
</tr>
</tbody>
</table>

### Setting Button

<table>
<thead>
<tr>
<th>Function</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| Long press in the main interface can switch to the interface for camera parameters | Long press
| Single tap in the main interface can switch to camera modes (camera needs to be connected) | Single tap
| Single tap in the interface for camera parameters can switch to the main interface | Single tap

**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.
### Display Description

<table>
<thead>
<tr>
<th>Display Icons</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>SET WIFI VIA APP</td>
<td>Prompt for users to open the App settings in order to connect via WiFi</td>
</tr>
<tr>
<td>✖</td>
<td>Bluetooth is connected</td>
</tr>
<tr>
<td>✗</td>
<td>Bluetooth is not connected</td>
</tr>
<tr>
<td>📹</td>
<td>Camera is not connected</td>
</tr>
<tr>
<td>📷</td>
<td>Camera photo shooting</td>
</tr>
<tr>
<td>🎥</td>
<td>Camera video shooting</td>
</tr>
<tr>
<td>🎥</td>
<td>Camera time-lapse 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>Battery level</td>
</tr>
</tbody>
</table>

① Please refer to the chapter “Connecting to camera” in page 11

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### Setting Parameters

- **Main interface of the display screen**
  - Long press Setting button
  - 4K  W  OK
  - Field of View
  - Confirm Button

- **Interface for camera parameters**
  - Long press Setting button
  - 12MP  W  OK
  - Mega Pixel
  - 4K  W  OK
  - 30  OK
  - Frame Rate

Note: The parameters interface shall be different when connecting to RX0 camera.

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### Joystick Explanation

<table>
<thead>
<tr>
<th>Joystick</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move to left / right</td>
<td>Switch content</td>
</tr>
<tr>
<td>Move to up / down</td>
<td>Setting parameters</td>
</tr>
<tr>
<td>Move to right until “OK” displays</td>
<td>Move to right again for confirmation</td>
</tr>
</tbody>
</table>

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### Shutter Button Operation

After connecting the gimbal to camera via Feiyu On App, single tap the button can control the camera for shooting.
**Horizontal Angle Control**
You can control the horizon angle via the horizontal adjustment button while in panning mode, follow mode or lock mode.

**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.

**Auto-rotation Mode**
The G6 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**
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 Rotation Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>12s/turn</td>
</tr>
</tbody>
</table>

Note: Both the pan and tilt directions can be rotated.
(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
5. Download and connect App

1. Download and install “Feiyu ON” App

(1) Download and install it from the following application platform

![App Store](app_store.png)  ![Google Play](google_play.png)  ![360 Mobile Assistant](360.png)  ![WandouJing](wandoujing.png)

(2) Scan QR code to download

![iOS Version](ios.png)  ![Android Version](android.png)

* Requires iOS 9.0 or later, Android 5.0 or later

2. Connecting App

Turn on the Bluetooth and run the App on smartphone, follow on the instructions to connect smartphone to gimbal via bluetooth.
6. Connecting to Camera

G6 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 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.

7. Firmware Upgrade

Connect the gimbal to the Feiyu ON App, to upgrade the firmware through the App.
8. 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.
## 9. Technical Specifications

(Unit:mm)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Tilting Range</td>
<td>360°</td>
</tr>
<tr>
<td>Max. Rolling Range</td>
<td>320°</td>
</tr>
<tr>
<td>Max. Panning Range</td>
<td>360°</td>
</tr>
<tr>
<td>Tilting Speed</td>
<td>Min: 2°/s - Max: 75°/s</td>
</tr>
<tr>
<td>Panning Speed</td>
<td>Min: 3°/s - Max: 150°/s</td>
</tr>
<tr>
<td>Operation Time</td>
<td>12 Hours</td>
</tr>
<tr>
<td>Adaption Camera</td>
<td>GoPro HERO6 / HERO5 and other cameras with</td>
</tr>
<tr>
<td></td>
<td>the same size, replace the optional RX0</td>
</tr>
<tr>
<td></td>
<td>adapter plate to be compatible with RX0</td>
</tr>
<tr>
<td>Weight</td>
<td>336g (Not including battery and camera)</td>
</tr>
</tbody>
</table>
D I S C L A I M E R

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.

Attention

• Please correctly assemble the gimbal in accordance with the diagram.
• Please install the camera before powering on the gimbal.
• When the gimbal is not in use or placed on the table, please ensure it is powered off.
• Remove the battery when not in use for a long time.