# Catalogue

1. WG2X Overview ......................................................... 1

2. Quick Start Guide ..................................................... 3

3. Function operation .................................................. 4
   - Working Mode ..................................................... 4
   - Function Button - operation .................................. 4
   - Mode Button - operation ....................................... 5
   - Shutter Button - operation .................................... 5

4. Advanced Operation .................................................. 5
   - Manual Lock ...................................................... 5
   - Auto-rotation Mode .............................................. 6
   - App - Download and Connecting .............................. 7
   - Connect the camera ............................................ 8
   - Firmware Upgrade ............................................. 8
   - Gimbal Initialization ......................................... 9

5. Parameters ............................................................ 10
1. **WG2X Overview**

---

**Accessories**

- Micro USB cable X1
- Session Mount X1
- Screw X2
- 1/2 Inch T-head Connector X1

---

**Introduction of interface and screws**

1. **Thumb Screw**
   
   To fix the camera

2. **Micro USB Port**

   (1) It is used for charging the gimbal (input 5V / Max2A), the gimbal can be used while being charged, but it is not available for external power supply.
   
   (2) It 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.

3. **1/4-20 Thread Mount**

   It is used for other accessories expansion, such as 1/4 inch screw tripod, extension bar and so on.
Introduction of Display and Buttons

1. **Shutter Button**
   - Single click: Photo Capturing / Video Recording

2. **Mode Button**
   - Long time press: Turn on / Turn off the WiFi
   - Single click: Photo Mode / Recording Mode
   - Double click: Reset

3. **Charging /WiFi indicator light**
   - It has the highest priority during charging, the red light is always on when it is not fully charged, and the green light is always on when it is fully charged. When it is not being charged, turn on the WiFi and the blue light blinks, turn off the WiFi and there is no display. The green light blinks when controlling the camera for recording.

4. **Mode Indicator Light**
   - Power on: Green indicator light is constantly on
   - Power off: Red Indicator light is constantly on from flashing
   - Panning Mode: Blue light flashes once
   - Follow Mode: Blue light flashes twice
   - Lock Mode / Initialization: Blue light constant on
   - Initialization failure / Error: Blue light keeps flashing
   - Low battery: Blue light flashes for three times every 5 seconds

5. **Function Button**
   - Long time press: Power on / Power off
   - Single click: Panning Mode / Lock Mode
   - Double click: Follow Mode
   - Triple click: Rotate 180° in horizontal
   - Four click: Auto-rotation Mode
   - Five click: Initialization

   *When the gimbal is in lock mode, triple click the function button cannot be rotated 180° in horizontal.*

Introduction of Axis and Knob

1. **Knob Ring**
   - It is used for fixing the cross arm.

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

3. **Tilt Axis**
   - Take the camera lens as the base point, and control the lens to move up or down by tilt axis.

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

Introduction of Other Components

1. **Mounting Plate**
   - It is used for fixing the camera.

2. **Cross arm**
   - It is used for adjusting the gravity center position of roll axis.

3. **Vertical arm**
   - It is used for adjusting gravity center position of pan axis.
2. Quick Start Guide

1. Charging
   **TIPS** Please fully charge the battery before power on the gimbal for the first time.

   Charging with Micro USB cable as shown below.

   ![Micro USB Cable](equipped_by_user)
   Output: 5V / Max2A

2. Mount the Camera

   Put the camera on mounting plate, then tighten the camera with retainer bar (or session mount) and screw.

   ![Use fixing bar to install](use_session_holder_to_install)

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

   Loosen the knob ring, move and adjust the position of cross arm, tight the knob ring after the gimbal is in balanced status. Then turn on the gimbal.

   ![Knob Ring](cross_arm)

4. Power on / off

   **Power on**: long time press function button until the green light is on.
   **Power off**: long time press function button until the red light changes from quick flashing to always on.

   ![Power on / off](power_on_off)
3. Operation

**Working Mode**

**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.

---

**Function Button - operation**

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.

<table>
<thead>
<tr>
<th>Function</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single click</td>
<td>Panning Mode / Lock Mode</td>
</tr>
<tr>
<td>Double click</td>
<td>Follow mode</td>
</tr>
<tr>
<td>Triple click</td>
<td>Rotate 180° in horizontal</td>
</tr>
<tr>
<td>Four click</td>
<td>Auto-rotation Mode</td>
</tr>
<tr>
<td>Five click</td>
<td>Initialization</td>
</tr>
</tbody>
</table>

Single click to switch between panning mode and lock mode

Under all follow, single click to switch to locking mode

Make the lens rotate 180°

*When the gimbal is in lock mode, triple click the function button can not be rotated 180° in horizontal*

Enter auto-rotation mode
Please refer to the chapter "Auto-rotation Mode" in page 06

Enter initialization
Please refer to the chapter "Gimbal Initialization" in page 09
4. 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:

---

Shutter Button - operation

After connecting the gimbal to camera via Feiyu On App, single click it to control the recording of the camera.

- Single click: Capturing / Start recording / Stop recording

Please refer to the chapter "Connecting to camera" on page 08.

---

Mode Button - operation

- Long time press: Turn on / Turn off the WiFi
- Single click: Photo Mode / Recording Mode
- Double click: Reset
Auto-rotation Mode

*When the gimbal is placed in front, it cannot enter the auto-rotation mode.

The WG2X gimbal can easily create constant speed movements in the auto-rotation mode. This mode can be used for recording both regular video and motion time-lapse photography. For better performance, please equip with FeiyuTech tripod or other tripod.

Set rotation speed in Feiyu ON App

Both the pan and tilt directions can be rotated.

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

<table>
<thead>
<tr>
<th>WG2X Rotation Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>12s/round</td>
</tr>
</tbody>
</table>

(1) Enter auto-rotation mode

(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 click Mode Button ➔ Exit the auto-rotation mode and reset
App - Download and Connecting

**Download and Install Feiyu ON App**

Please download Feiyu ON at your smartphone app store or can the QR code below.

* Requires iOS 9.0 or later, Android 6.0 or later.

**Connect Feiyu ON App**

1. Power on the gimbal.
2. On smartphone, enable bluetooth and open Feiyu ON App. Login or register, follow instruction and connect to the gimbal.

Once the connection is successful, the gimbal can be controlled on the App, including remote direction, switching mode, setting parameters and etc.
Connecting to Camera

WG2X gimbal can connect to the camera by Feiyu ON App.

Operations available after connecting to the camera:

<table>
<thead>
<tr>
<th>Mode Button</th>
<th>Single click</th>
<th>Single click to switch between the photo mode and video mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shutter Button</td>
<td>Single click</td>
<td>Capturing / Start recording / Stop recording</td>
</tr>
</tbody>
</table>

Steps of connecting to camera:

1. Turn on your recording camera’s WiFi (2.4GHz)
2. Select "WiFi Settings" options or 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 connection fails, 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

Upgrade the firmware through the Feiyu ON App.

1. Click the icon
2. Select upgrade type.
3. Follow the prompts to upgrade the firmware.

Upgrade type introductions:

**Gimbal update**: Repair / update or newly add gimbal control / function / parameter and etc.

**Bluetooth firmware update**: Repair / update or newly add Bluetooth functions, update more compatibility cameras, and etc.

Please read the following notices CAREFULLY:

1. Please KEEP your phone screen ON during upgrade progress.
2. Do NOT leave current App page.
3. The motors will be pow off during upgrade progress, this is normal case.
4. In case of upgrade failure, the gimbal might be unfunctional, please reboot your gimbal and restart App on your phone, and then perform upgrade again till successful upgrade.
5. If upgrade success, please forget/unpaired the gimbal with your phone in phone settings page, and reconnect again.

Start updating
Gimbal Initialization

You can initialize your gimbal when:
(1) camera is not balance
(2) If not use for a long period of time
(3) In case of extreme temperature variations

Adjusting Steps

1. Click the function button for 5 consecutive times, and the motor will stop working.

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.

3. After the initialization is successful, the motor will automatically start working.
   **Note:** if the initialization is not successful, long time press the function button to turn off the gimbal, restart initialization process.
5. Specifications

Parameters

Product Name
WG2X 3-Axis Wearable Gimbal for Action Camera

Tilt Axis Mechanical Movement Range
360°

Roll Axis Mechanical Movement Range
310° (Structure range)
70° (Limit angle after camera mounted)

Pan Axis Mechanical Movement Range
360°

Operation Time
2.5 Hours

Weight
238 g (Not including the action camera)

Payload
135g (In balanced status)

Compatible Camera
Compatible with GoPro HERO6 / GoPro HERO5 / GoPro HERO4 / Session and cameras with similar dimensions
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:

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.