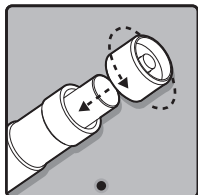


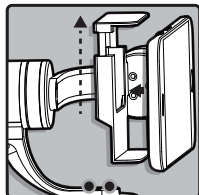
1 Beginner Guide

Attention! Please install the suitable smartphone first before power on the Gimbal.



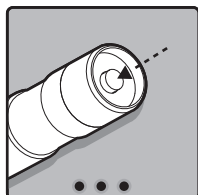
Insert The Batteries

Remove the power switch cap, insert two batteries into the handle.



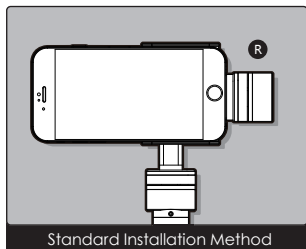
Install The Phone

Install the Smart phone by the quick-release adapter. And make sure it is fixed well.



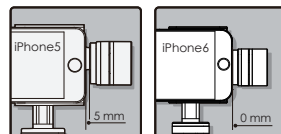
Power On

Confirm the phone is installed well, then press the power button to turn on the Gimbal.



Standard Installation Method

In order to get the best working status, please try to keep the smart phone and pitch axis balance before power on the gimbal. Please refer to the following:

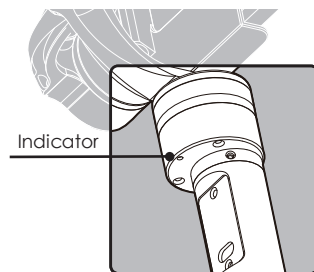
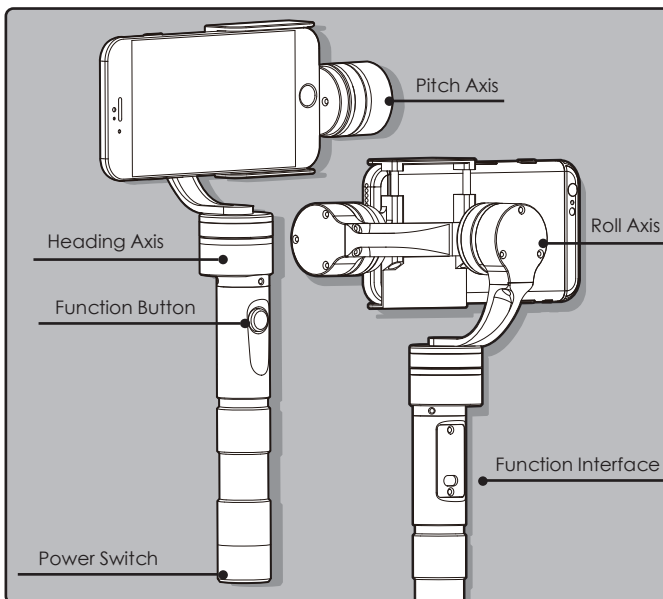


Mode Switching

When the Gimbal is working, you can press the function button to switch among the working modes and a special working condition freely.

(Details of working modes please refer to the instructions of working modes)

2 Product Appearance Instructions

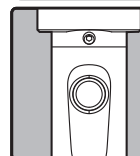


Indicator Explanation

LED Status	Explain
Blue light flashes three times	Full Power
Blue light flashes twice	Enough Power
Blue light flashes once	Low Power
Blue light keeps flashing	No Power

The indicator flashes in red light when in working, it will prompt the Gimbal at fault.

3 Working Mode Instructions



Function Button

Identify the working mode via switch to different status of the indicator light.

Use for switching working modes.

Working Mode Instructions

1. Heading Follow Mode : Camera Pitch and Roll Angles remain constant, heading follows the handheld position.
2. Heading And Pitch Follow Mode : Camera Roll Angle remains constant. Heading and Pitch follow the handheld position.

Special Working Condition (Inversion Mode) When in any working mode, press the function button for three times in succession, the Gimbal enter into the inversion mode and switch to the Heading following mode automatically. Invert the Gimbal to capture more excited scenes easily by switching mode combination. When in inversion working condition press the function button for three times in succession to reset the Gimbal back to the original state.

Standby Mode Press function button for 3 seconds, the motor stop working and the LED of the function button will single flashes this will indicate that gimbal enter the standby mode. Single press the function button the gimbal will be awoken immediately.

Hand Pulling Locking The pitching can be adjust by hand pulling after start the gimbal 8 seconds. During the Heading Follow Mode pulling the pitching to the desired angle and stay 0.5 second it will lock in the current angle.

Item	LED Status	Function Explanation	Item	LED Status	Explanation
Single Press	Single Flashes	Heading Follow Mode	Long Press For 1 Second	Single Flashes	Pitch Recover Level
Double Press	Double Flashes	Heading And Pitch Follow Mode	Long Press For 3 Second	Single Flashes	Standby Mode
Three Press	Single Flashes	Inversion Mode			

4 Filming Skill

Smooth And Steady Filming: Handheld the Gimbal, keep stable for movement, keep light and steady for walking.

Adjust The Pitching Angle:

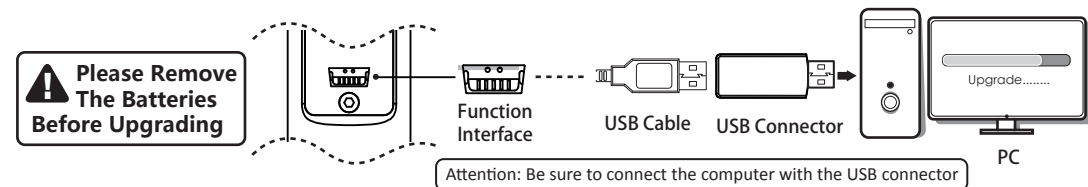
Manual Adjust: Switch to heading follow mode or inversion mode, control the pitch angle to the the position you want, and keep for 0.5 second, the gimbal will lock current angle.

Auto Adjust: Double press the function button to enter into "Heading And Pitch Follow Mode". Hold the Gimbal at the desired angle, then press the button once to reengage "Heading Follow Mode" in order to lock the angle of desired pitch.

Remote Control To Adjust: Customer can adjust the gimbal like mode switch or pitch angle by connecting remote control.

Flexible Use Of Inversion Mode: Press the function button for three times in succession, the Gimbal switch to the inversion mode and help to captured low angle view more easily. If filming with moving forward at a high speed, keep the handle roughly parallel with the ground will be helpful.

5 Function Interface Instructions



Connection Mode

The USB Mini terminal of the cable plug into the function interface, the USB terminal plug into the USB connector. Please ensure to connect with the USB connector.

Firmware Upgrade Instruction

Please visit the official website of Feiyu Tech: www.feiyu-tech.com to download the USB driver, firmware upgrade software and the latest firmware then unzip the RAR file. Remove the batteries and refer to the connection diagram to connect the gimbal with the computer. Please refer to the manual of update operation to upgrading, otherwise the Gimbal will be abnormal.

Attention: Please be sure to connect the computer with the USB connector.

Parameters Configuration

The heading following speed can be configure through parameter setting software. User can adjust to the desired following speed mode according to the requirements of filming scene. Three modes for optional: "SLOW" mode, "NORMAL" mode, "FAST" mode. Default setting is "FAST" mode.

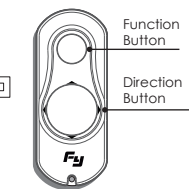
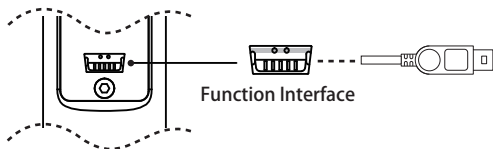
Attention: Please be sure to connect the computer with the USB connector.

Gimbal Calibration

The Gimbal attitude can be calibrate through parameter setting software. User can adjust the pitch and roll in a small angle to achieve more accuracy filming scene. Please insert the batteries then refer to the connection diagram to connect the gimbal with the computer for calibration.

Attention: Please be sure to connect the computer with the USB connector.

Function Interface Expansion



Remote Control

Connect remote control to Gimbal in Mini port, then you can realize control the working mode and angle by remote control.

Note: The remote control is optional.

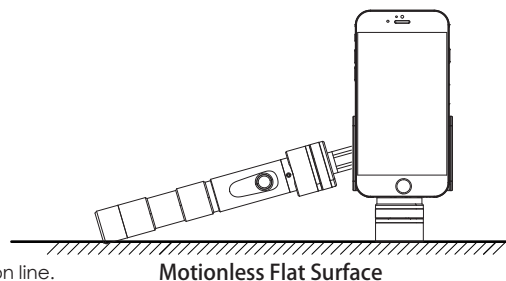
6 Initialize The Gimbal

Initialization Instructions

1. Install the smartphone properly.
2. Gimbal placed on stationary flat and keep motionless.
3. Power on the Gimbal.
4. The Gimbal is activate and it will initialize automatically. Pick up the Gimbal to work normally.

Gimbal needs to be initialized whenever the following situations appear after power on

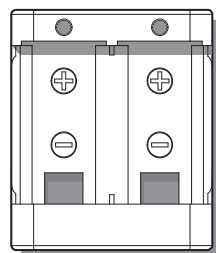
1. After power on, the angle of pitch is not level with the horizon line.
2. After power on, the angle of roll is not parallel with the horizon line.
3. When the gimbal is in heading static, the angle of heading moves frequently.



Motionless Flat Surface

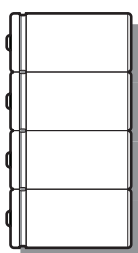
7 Standard And Optional Accessories

Standard Accessories



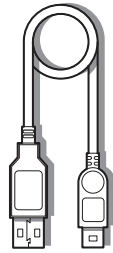
Charger

Type: 16340/18350
Input: DC 5V Min 800mA
Output: DC 4.2V

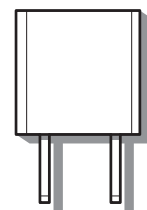


Rechargeable Battery

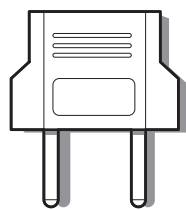
Type: 18350



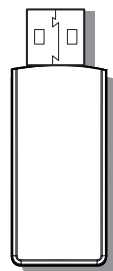
USB Cable



Power Adapter



European Standard Connector



USB Connector

Correct Method For Using USB Data Cable



Please refer to following method to proper usage, otherwise it may cause damage to the device itself and other equipment.

Battery Charging: The USB Mini terminal of the USB cable plug into the Micro interface on the charger, and the USB terminal plug to the power adapter, then connect to the EN Connector according to be needed.

Connect The Computer: Remove the batteries, the USB Mini terminal insert to the function interface on the gimbal and the USB terminal insert to the USB connector then connect to the computer for firmware upgrade or parameters configuration. **(Please connect the USB cable to the computer with the USB connector, otherwise the interface of the computer will be damaged).**

Please refer to the instructions of the function interface for specific details.

Optional Accessories

Name	Function Description
Remote Control	Ample buttons can realize the adjustment of heading & pitch angle, mode switching etc.
Runtime Extension Accessory	Extend the capacity space for battery to make the runtime longer.
Extension Bar	Spiral design of the extension bar can be perfect combination with G4 power switch; Extended length is optional, it will help to enjoy a different visual easily.

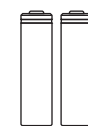
We will keep releasing more FY-G4 accessories. More details please visit our official website: www.feiyu-tech.com

8 Battery Extender Accessory (Optional)

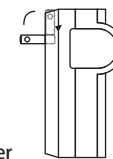
G4 Battery extender contents:



G4 Battery Extender Handheld Accessory

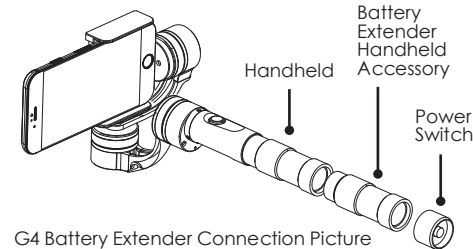


Rechargeable Battery
Type: 18650



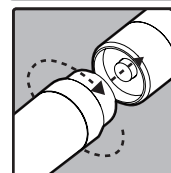
Charger

Type: 18650
Input: AC 100V-240V
Output: DC 4.2V

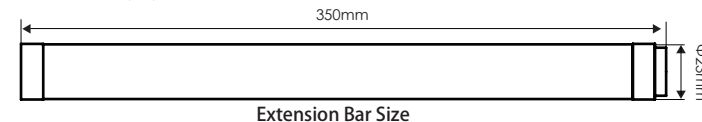


G4 Battery Extender Connection Picture

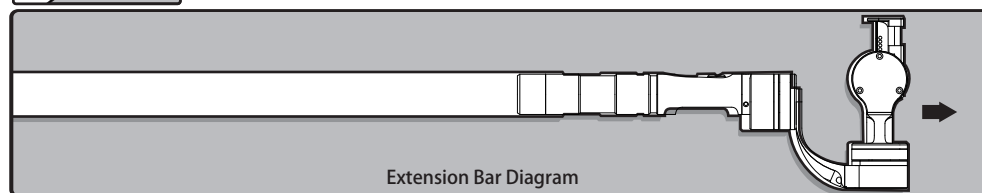
9 Extension Bar Instructions (Optional)



With the special designed switch, the extension bar can be added directly. Allows to shoot the distance images more easily. Special design allows for flexible extension.



Extension Bar Size



Extension Bar Diagram

10 Specification

Items	Min	Standard	Max	Remarks
Working Voltage	6.0V	8.4V	17.0V	
Pitch Angle	-160 (Down)	0 (Horizontal)	+160 (Up)	Handheld In Horizontal (The angle maybe vary from different smartphone)
Roll Angle	-50	0 (Horizontal)	+50	
Heading Angle	-160 (Left)		+160	Handheld In Vertical
Heading Angle	-50		+50	Handheld In Horizontal
Pitch Following Rate	2° / Sec		75° / Sec	
Heading Following Rate	3° / Sec		150° / Sec	
Static Attitude Tracking Accuracy	0.01	0.02	0.05	Gimbal In Static Mode
Motion Attitude Tracking Accuracy	0.1	0.2	0.5	Motor Overload <2G
Overload Current Protection		800mA		
Weight		290g		Without Batteries & Smartphone
Size		Width 38mm / Height 250mm / Length 93mm		

11 Attention

DISCLAIMER

FY-G4 handheld gimbal for smartphone is an excellent camera stabilizer, lightweight and portable. Prohibit any user for any illegal purpose. Users will be responsible for all behavior of purchase and use products.

The Gulin Feiyu Electronic Technology Co. and our associates are not responsible for any damages or liabilities caused by the use of this product.

For any unknown sources or using, we will not be any service.

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

ATTENTION

- Please correct assemble the gimbal according to the diagram.
- Please upgrading firmware and configure parameters with the standard configuration USB data cable.
- Please battery charging with the standard configuration charger.
- Please install the camera well before power on the Gimbal.