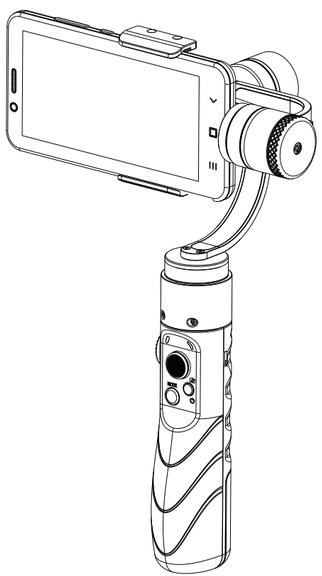
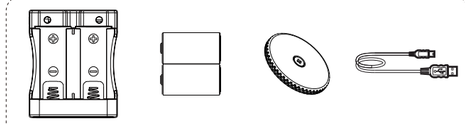
Hand-held Gimbal V3

USER'S MANUAL



Thank you for choosing AFI，Please read this manual sheet before using.

1. Accessories



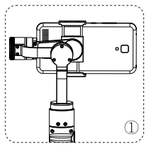
Charger
Applicable to 16340/18350
Input : DC5V Min 800mA

Rechargeable Batteries
Item NO : 18350

Counter Weight
Weight : 53g

USB Charging Cable

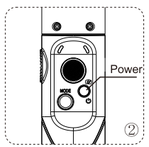
2. Beginner Guide



Mobile Phone Installation

Insert your phone into your phone holder and follow the below steps to adjust your phone

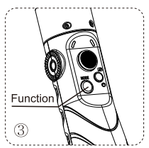
1. Put the phone into the phone holder and make the phone close to the phone holder.
2. Adjust the phone left and right position, so that the mobile phone to achieve the balance state of the roll axis .
3. If the phone is heavy, install the counterweight on the pitch motor side.



Power On/Off

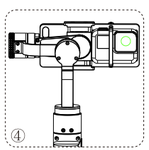
In the case of the phone has been installed and maintain static balance, long press the power switch about 3 seconds to turn on.

2. The default mode is the heading following mode.
3. If there is an abnormality in start up, check that the battery is fully charged or restart.
4. Power on the use of the process, long press the power switch about 3 seconds to turn off.



Working Mode Switching

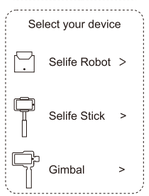
1. In the course of using, you can switch different operating modes with the function button.
2. For the working mode function, please refer to the working mode introduction.
3. For operating mode switching, please refer to the button operation instructions.



GoPro Camera Installation

1. Mount the GoPro camera onto the GoPro quick release plate
2. Install the quick release plate and GoPro camera on to the gimbal according to the way of mobile phone installation.

Notice: GoPro quick release plate is optional accessory.



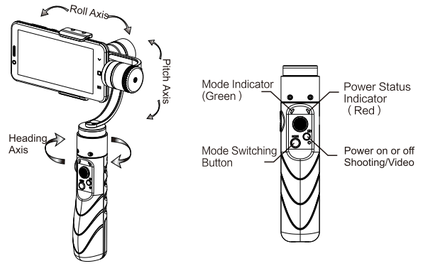
APP Connection

1. Android system phone can be used through Google Play or Tencent Application Treasure , IOS can be downloaded through the Apple store "Selfie robot"
2. Turn on the gimbal after installing the phone.
3. Start the "Selfie robot" in the phone and select "Hand-Held Gimbal", App will automatically search for the gimbal and connect.

Notice

1. If the App does not connect the gimbal within 5 minutes, the gimbal's Bluetooth will be in dormant state. If connected at this time, press the switch button to activate the gimbal's Bluetooth.
2. Before using the APP, please turn on your phone's Bluetooth function.

3. Product Appearance



Precautions of using :

1. Remove the phone case before installing the phone.
2. Please mount the phone before turn on the gimbal.
3. When you are not using, please turn off firstly and then remove the phone
4. When not in use for a long time, turn off the power and charge it once every other month
5. Be sure to fully charge the battery before using it for the first time.

4.Working Mode Instructions

Heading following mode: Lock pitch and roll mode, gimbal is consistent with hand to move.
All following mode: Lock roll mode, heading and pitch function works, gimbal is consistent with hand to move.
All locking mode: Heading /pitch /roll mode all locking.
Inverting mode : The gimbal will enter into the heading inverting mode automatically while being inverted held, also can change to different modes in inverting mode.
Vertical shooting mode: Place the mobile phone in vertical shooting (by rotating the phone holder to shoot)
In addition to the above modes, the pitch axis also supports the Point & Lock function: when the pitch axis is in the locking mode, Manual pull the phone to desired pitch angle and hold for half a second, the gimbal will fixed and locked at this angle.

Joystick Controlling Instructions

Mode	Control ability	Adjusted by
Heading following mode	Pitch angle	Up and down
Heading and pitch following mode	N/A	N/A
Locking mode	Pitch/Heading angle	Up and down, left and right

Function Button Introduction

Operations	Function	Remarks
Single click	Heading following mode Locking mode switching	In heading following mode, single click to switch to all locking mode In all following mode,single click to switch to heading following mode.
Double clicks	Heading and pitch all locking mode	n heading and pitch all locking mode, single click to switch to following mode
On/Off Button Operation	Function	Remarks
Long press	Turn on / Turn off	In turn off state, long press button for about 3 seconds to turn on In turn on state, long press button for about 3 seconds to turn off
Single click	Shooting	This function needs to be connected to APP
Double clicks	Video	

Indicator lights Introduction:

Power Indicator lights (Red)	Indicator Meaning
Long light	The gimbal is on working
Slow flashing	The battery power is low to remind that needs to charge
Quick flashing	The battery power is about to run out, it will be forced to turn off in a short period of time.
Light off	In turn off state.
Mode Indicator lights (Green)	Indicator Meaning
Single blanking (The default state when turned on)	Heading following mode
Double blinking	All heading mode
Triple blinking	All locking mode
Charging Indicator lights	Indicator Meaning
Red on	The battery is charging
Blue on	The battery is full

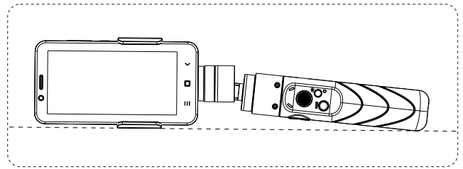
Gyroscope Calibration Operation:

If use the Gimbal for the first time or it's under any of the following situations, please calibrate the gyroscope

1. There is a small angle deviation between the pitch angle and the horizontal line.
2. There is a small angle deviation between the roll angle and the horizontal line.
3. Under the locking mode, the heading axis has some deviation.

Gyroscope Calibration Operation Steps as below:

Step1.First, keep the joystick downward and then turn on, the green light is long light and the red light slow flashing, indicating that enter into the gyroscope calibration mode.
Step2.Place the gimbal in the horizontal table as shown in the figure as below and single click the mode button.
Step3.The indicator light turns green, the red light is quick flashing and keep the gimbal static for about 10s
Step4.If the calibration is successful, the indicator will turn to the green and it's always on, red light is slow flashing; If the calibration is failed, the indicator will turn off, the red light is quick flashing.
Step5. After calibration is complete, turn on and restart the gimbal.



6.Product Specification

Item	Min	Standard	Max	Remarks
Pitch angle range	−160 (Downward)	0	+160 (Upward)	Vertical hand-held
Roll angle range	−50	0	+50	Vertical hand-held
Heading angle range	−180 (Turn left)	0	+180 (Turn right)	Vertical hand-held
Motor overload protection current	1A			
Continuous life time	3-4 hours			
Charging time	About 4 hours			
Weight	330g			Battery and phone exclude
Compatible phones	3.5~6.1 inch smart phones			Load 75-200g

Warnings and Disclaimers :

1. AFI hand-held Gimbal is an excellent video stabilizer, light weight and portable;
2. Prohibit any illegal acts of any user. Users will be responsible for all of behavior to purchase and use the products;
3. For this product, Aeroview does not assume the risks and liabilities of the end user for all debugging and use of this product; (Including the losses of direct, indirect or third party)
5. Aeroview will not offer any service for non-normal channels obtained products or unknown usage products;
6. Aeroview reserves all the rights of interpretation.

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FCC Caution：

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.