# AFi

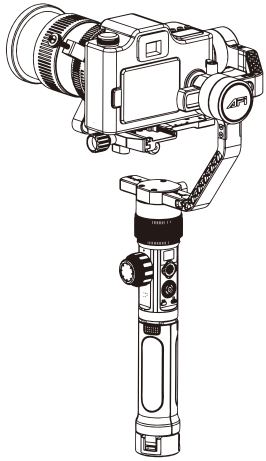# D3单反手持稳定器

## 使用说明书


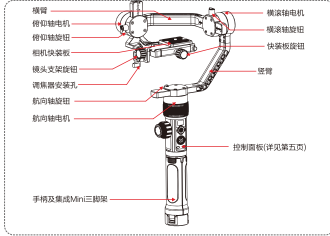
欢迎您选择航景产品，请在使用前仔细阅读本说明书。

航景（AFI）保留更改产品设计与规格的权利。产品（包括但不限于尺寸、颜色）请以实物为准。如有疑问，请咨询航景（AFI）客户咨询热线。

## 产品清单

稳定器主体*1
18650电池*4
Mini to Micro控制线*1
Micro to Micro控制线*1
USB数据线/充电线*1
18650锂电池充电器*1
使用说明书*1

## 认识稳定器



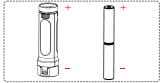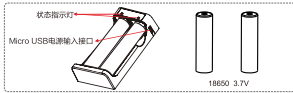横滚轴电机　横滚轴旋钮
俯仰轴电机　横滚轴旋钮
俯仰轴旋钮　锁紧旋钮
相机快装板　快装板旋钮
镜头支架旋钮　竖臂
调焦器安装孔
航向轴旋钮　控制圆板（详见第五页）
航向轴电机

手柄及集成Mini三脚架

## 产品参数

充电时间：3h
续航时间：6-12h
承重范围：500g-3.2kg
俯仰轴机械动作范围：320°
横滚轴机械动作范围：360°
航向轴机械动作范围：360°
产品重量(包含电池):1540g （不包含电池）:1440g
包装尺寸：520*145*260mm
电池：18650　3.7V

## 电池安装及使用说明



锂电池正极朝上，负极安装在电池仓的弹簧上，即正确安装完毕。

## 充电器介绍



状态指示灯
Micro USB电源插入接口

18650 3.7V

## 充电步骤



USB数据线　适配器　电源

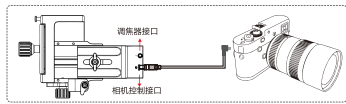将电池对应正负极正确放装入充电器中；使用Micro USB线将充电器与适配器连接，适配器插入到电源插座中开始充电。

由于充电器本身差异，供电不足的情况下（比如适电流小于1000mA）以致使用电池不能同时充电，建议使用更大电流的适配器；

**注意：无法通过稳定器机身USB接口对电池进行充电。**

## 相机安装

1.把快装板固定在相机底部(图1)
2.把带有相机的快装板从承载板上方直接放下（图2），锁紧快装板锁紧旋钮
3.拧松镜头支架的旋钮（图3），调整镜头支架使其能够托住镜头，确保镜头的稳固。



图1　图2　图3

切记在没有装好相机之前，请勿开启稳定器。以及在开启稳定器之时，调用手轻扶相机，以防可能出现的稳定器故障造成或相机乱转。
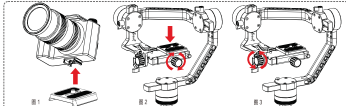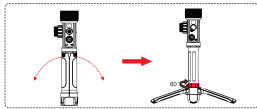
## 相机数据线的连接



调焦器接口
相机控制接口

将Micro USB插头插入俯仰轴臂的底部相机控制接口，再将数据线的插头插入相机对应的接口中。

**注意：相机数据线请勿插入调焦器接口，以免可能造成设备损坏。**
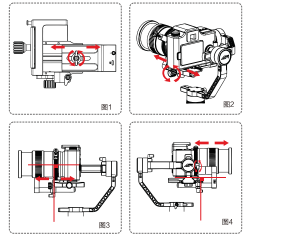
请在稳定器关机的状态下连接控制线，以免可能造成稳定器故障。

## 三脚架的使用



展开脚架支架后，向左旋转脚架定位旋钮60度可固定脚架支架；向右旋转脚架定位旋钮60度可收拢脚架支架。

## 调节平衡

请按照手册说明调节平衡，否则可能出现稳定器无法启动或者使用时无法达到最佳状态影响电池使用时长。



图1　图2
图3　图4

1.拧松旋钮，滑动云台滑动面板，以便云台面板能够装下相机，拧紧旋钮(图1)。

2.拧松快装板的锁紧旋钮，把固定有相机的快装板从快装板底座上方放入快装板底座，稍微拧紧一下快装板锁紧旋钮，但要使快装板能够前后滑动(图2)。

3.用手扶住横滚轴力臂，推动相机前后移动，直到相机镜头静止时候能够接近于与地面水平的状态，拧紧快装板锁紧旋钮(图3)。
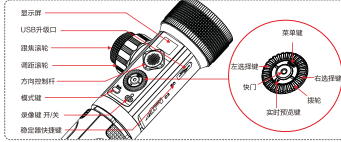
4.拧松俯仰轴锁紧旋钮，移动相机位置，直到相机镜头静止时候能够接近于与地面垂直，拧紧俯仰轴锁紧旋钮(图4)。



图5　图6　图7
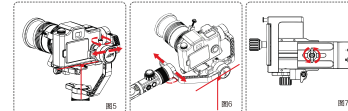
## 横轴调节

拧松横滚轴锁紧旋钮，移动调节横滚轴力臂（图5），使其静止时候能够与地面接近水平状态后，拧紧横滚轴锁紧旋钮。

## 航向轴水平调节

拧松航向轴力臂锁紧旋钮，然后移动航向轴力臂，使其静止时候与地面接近水平状态后，拧紧航向轴力臂锁紧旋钮(图6)。

如果安装的相机无法调节到平衡，可以配合调节（图7）处旋钮尝试达到平衡。

## 控制面板



显示屏　菜单键
USB升级口　左选择键　右选择键
跟焦滚轮　快门　拨轮
调距滚轮　实时预览键
方向控制杆
模式键
录像键　开关

**LED显示屏**：显示稳定器状态信息以及相机参数
**USB升级口**：稳定器参数调节或固件升级
**跟焦滚轮**：调整相机镜头对焦情况（需相机支持）
**调距滚轮**：结合调距配件（选购）实现推远拉近相机镜头
**方向控制杆**：相机上下左右四个方向的转动的控制
**模式键**：单击按键，跟随模式、半跟随模式、全锁定模式切换
**录像键/稳定器源键**：长按5秒 开/关机，短按 开始/停止 录像
**稳定器快捷键**：按一下 稳定器快速返回水平位置，按两下 稳定器航向0/180度旋转云台，按三下横滚跟随模式，按四下延时拍摄，按五下自动校准。

延时拍摄说明：在任意模式下把相机移动到终点位置时连按四次快捷键，然后在10秒钟之内将相机移到初始位置即可，延时时间默认为30分钟，在拍摄过程中如需中断任务需再次启动此功能或重启稳定器，在拍摄过程中请勿触碰摇稳定器。

**菜单键**：进入或退出菜单界面
**左选择键**：返回上一界面
**右选择键**：确认选中当前项 或 进入/退出 修改当前项
**快门键**：半按下激活相机自动对焦，全按下拍摄照片
**拨轮**：选择 上/下 一选项 或 上/下一参数值
**实时预览键**：进入/退出实时预览模式

## 显示屏介绍

BAT 为稳定器电量
Camer 为相机设置项
Gimbal 为稳定器设置项

## 连接蓝牙

打开稳定器蓝牙，"菜单"—"Gimbal"—"BLT"—"确定"—旋转拨轮即—"On"—"确定"。打开稳定器蓝牙后，手机打开APP后搜索AFI-D3连接即可使用。APP请登陆航景官方网站下载。

## 相机控制说明

适用相机：佳能 索尼

| 相机品牌 | 佳能 | | 索尼 | |
|---|---|---|---|---|
| 拍照 | ✓ | ✓ | ✕ | ✕ |
| 录像 | ✓ | ✓ | ✓ | ✓ |
| 实时预览 | ✓ | ✓ | ✕ | ✕ |
| 光圈调节 | ✓ | ✓ | ✓ | ✓ |
| 快门调节 | ✓ | ✓ | ✓ | ✓ |
| ISO调节 | ✓ | ✓ | ✓ | ✓ |
| 曝光补偿 | ✓ | ✓ | ✓ | ✓ |
| 变焦 | ✓ | ✓ | ✓ | ✓ |
| 对焦 | ✓ | ✓ | ✓ | ✓ |

AFI官网

# AFi

# D3 Hand-held Gimbal for Cameras.

# USER'S MANUAL

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

AFi reserves the right to change product design and specifications, the real object should be considered as final. If youhave any questions, please contact our customer enquiry hotline.
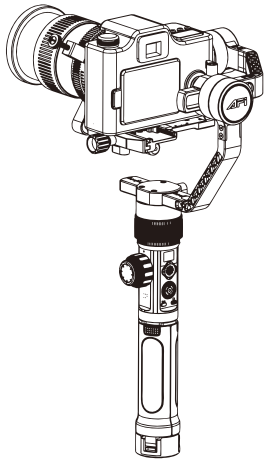
## Packing List
Stabilizer *1
18650 Batteries *4
Mini to Micro Control Cable *1
Micro to Micro Control Cable *1
USB Cable/ Charging Cable *1
18650*2 Li-ion Batteries Charger *1
Manual*1

## Stabilizer Instruction

Roll Arm
Pitch Axis Motor
Pitch Axis Knob
Quick Release Plate
Lens Holder Knob
Focusing Device Mounting Hole

Roll Axis Motor
Roll Axis Knob
Quick Release Plate Knob
Vertical Arm

Pan Axis Knob
Pan Axis Motor

Control Panel (Refer to the page 5)
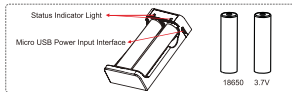
Handle and Integration Mini Tripod
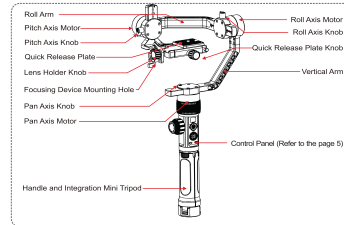
## Product Parameter
Charging Time :3h
Operation Time:6-12h
Payload: 500g-3.2kg
Pitch Axis Range :320°
Roll Axis Range:360°
Pan Axis Rang:360°
Weight (battery Included):1540g    (No battery):1440g
Packing Size:520*145*260mm
Battery Model:18650  3.7V

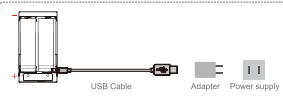## Battery Installation and Instruction
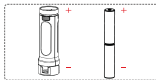
The Li-ion battery positive pole upward, and the negative against the spring of the end cover,then the installation is completed.

## Charger Instruction

Status Indicator Light
Micro USB Power Input Interface

18650  3.7V

## Charging Operation

USB Cable    Adapter    Power supply

Correctly put the battery into the charger;Connect the charger to the adapter by the Micro USB cable, then plug the adaptor into the power socket to start charging.

Due to the difference of the charger, when the power supply is insufficient (For example,the current is less than 1000mA),the batteries can not be charged at the same time, and it is recommended to use a larger current adaptor.

Attention: The battery can not be charged through the USB interface of the Gimbal.

## Camera Installation
Mount the quick release plate to the bottom of the camera (Instruction 1).

Install the quick release plate with the camera to the loading plate, lock the quick release plate locking knob(Instruction 2).

Loosen the lens holder knob,adjust the lens holder so that it can hold the lens,to make sure the lens keep steady.
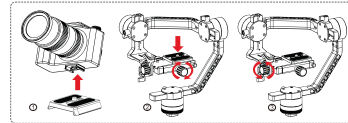
Do not turn on the stabilizer unless the camera is properly mounted. And while power on the stabilizer, please slightly hold the camera with your hand to prevent severe shaking of the camera  due to the malfunction of stabilizer.

## Camera Cable Connection

Adaptor interface
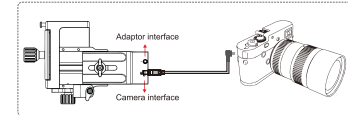
Camera interface

Plug the Micro USB into the Bottom interface of the pitch axis arm, then plug the USB cable into the corresponding interface of the camera.
Attention:Do not plug the camera cable into the adaptor interface,it may damage the device .
Please connect the control cable after the stabilizer powers off, in case a malfunction occurs to the stabilizer.

## Adjust the Camera Balance
Please adjust the balance according to the manual,otherwise the stabilizer may not power on,or it can not reach the optimal status to effect the battery life.
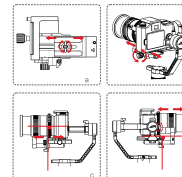
Loosen the knob, slide the gimbal sliding panel,so that the head panel can hold the camera,then tighten the knob(Illustration a).

Loosen the locking knob of the quick release plate, place the quick release plate with camera on the base. Tighten the locking knob slightly,but allows the plate slide back and forth(Illustration b).

Hold the roll axis arm with one hand,push the camera backward and forward until the camera lens is still and close to the horizontal level,then tighten the quick release plate locking knob(Illustration c)..

Loosen the locking knob of the pitch axis,move the camera,until the camera lens is still and close to the horizontal level , then tighten the locking knob(Illustration d).
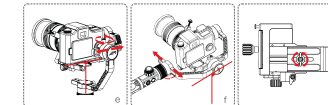
### Roll Axis Adjust
Loosen the locking knob of the roll axis,move the roll axis arm,until when it is still and close to the horizontal level ,then tighten the locking knob(Illustration e).

### Pan Axis Adjust
Loosen the locking knob of the pan axis,move the pan axis arm until it's close to the horizontal level,when it is still, then tighten the locking knob (Illustration f).
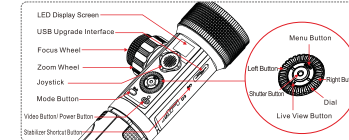
If the  camera can not be balanced, you can adjust the knob (Illustration g). to reach the balance.

### Built-in Tripod Instruction
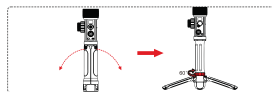
Unfold the tripod leg, rotate the position knob by 60°to tighten the tripod, on the contrary, the tripod can be folded.

## Control Panel

LED Display Screen
USB Upgrade Interface
Focus Wheel
Zoom Wheel
Joystick
Mode Button
Video Button/ Power Button
Stabilizer Shortcut Button

Menu Button
Left Button
Right Button
Shutter Button
Dial
Live View Button

LED Display Screen: Show the gimbal status and the camera parameter
Direction Joystick : Control the camera move to up/down/left/right four direction
USB Upgrade Interface: For gimbal parameter adjustment or firmware upgrade.
Menu Button: Enter or exit the menu
Left Button: Return to previous interface
Right Button: Confirm the current item or enter/exit modify the current item.
Shutter Button: Short press to activate camera to focus automatically; long press to take a photo.
Dial : Choose the item or the parameter
Live view Button: Enter or exit live view mode.
Video Button/ Power Button: Long press 5 seconds to power on/off; short press to turn on /off video.
Focus Wheel: Adjust the camera lens focusing(only if the camera has the focus function)
Zoom Wheel: Adjust the distance of the camera lens by adjusting the focus accessories (optional).
Mode Button :Click to switch among the following mode, pan-following mode and locking mode.
Stabilizer Shortcut Button:
Press once: return to the horizontal position quickly
Press twice: horizontally rotate 180 degree
Press Triple: switch to roll following mode
Press four times: time lapse shooting mode
Press five times: automatic calibration.

Time lapse mode instruction: Click the Reset key four times, then move the camera manually to the end position, within 10 seconds move the camera back to the original position. The default time lapse is 30 minutes.If you need to stop the time lapse, just restart the stabilizer, Please do not touch the stabilizer during time lapse shooting.

### Display Screen Instruction
BAT: battery power
Camera: camera setting item
Gimbal: stabilizer setting item
### Bluetooth Connection
Turn on the stabilizer Bluetooth,
"Menu"-- "Gimbal"-- "BLT"-"Confirm"-Rotate dial to --"On"-"Confirm"
Turn on the smartphone APP, Bluetooth to search AFI-D3 for paring.
Please download APP from AFI's official website.

## Camera Control Instruction
Application Camera :Canon, SONY

| Camera Brand | Canon | | SONY | |
|---|---|---|---|---|
| Shooting | √ | √ | × | × |
| Video | √ | √ | √ | √ |
| Live View | √ | √ | × | × |
| Aperture Adjustment | √ | √ | √ | √ |
| Shutter Adjustment | √ | √ | √ | √ |
| ISO Adjustment | √ | √ | √ | √ |
| Exposure Value | √ | √ | √ | √ |
| Focusing | √ | √ | √ | √ |
| Zoom | √ | √ | √ | √ |

AFI Official Website