

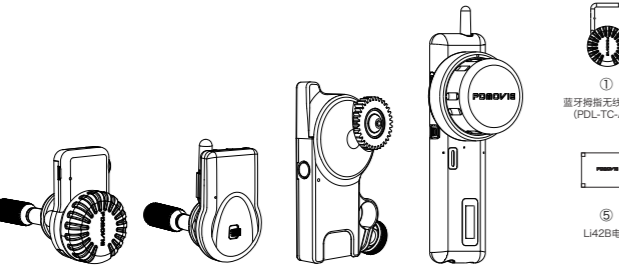
# PDMOVIE

## LIVE AIR 2

(PDL-AFP/AZP/AP)

### 产品使用手册

欢迎使用 LIVE AIR 2



产品清单

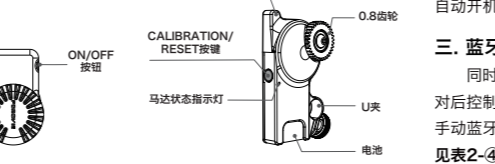


产品编号	名称	PDL-AFP	PDL-AZP	PDL-AP
1	蓝牙拇指无线控制器 (PDL-TC-AFP)	1	-	-
2	蓝牙扳杆无线控制器 (PDL-TC-AZ)	-	1	-
3	专业无线控制器 (PD2-HT)	-	-	1
4	蓝牙马达 扭矩0.5Nm (PD-BTMP)	1	1	1
5	Li42B电池 (3.7V 600mAh 2.2Wh)	1	-	1
6	Li42Bx2电池 (3.7V 600mAh 2.2Wh*2)	2	2	2
7	Micro USB 充电线	2	2	1
8	Li42B电池充电器9 (1充4)	1	1	1
9	热靴管夹	1	1	1
10	15MM导管	1	1	1
11	USB充电线0.9m(4ft)	-	-	1

使用须知

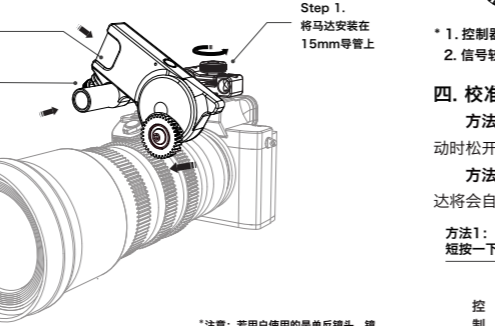
- 使用产品前，请认真阅读说明书或观看教学视频，学习产品的使用技巧。如因操作失误而造成直接或间接的不利影响，本公司将不承担任何责任。
- 请不要擅自维修或改装产品的内部结构，如因上述操作导致产品损坏或无法正常使用，本公司有权不予保修。
- 如产品在使用期间出现故障，导致产品无法使用或需要一对一调试产品时，请通过以下方式与我们联系。  
电子邮箱: pd@pdmovie.com  
微信公众平台: pdmovie  
技术支持: 15876261924 / 13542105054 (微信同号)

PDL-AFP/AZP 使用说明



一. 安装马达

首先将马达安装在15mm导管上，注意要卡紧马达齿轮与镜头齿轮\*，然后锁紧U夹即可。（马达如需安装在无反/单反相机上，请先安装好热靴管夹）



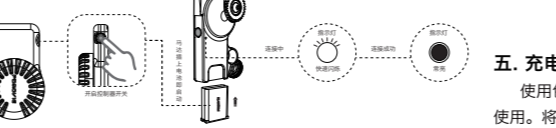
\*注意：若用户使用的是单反镜头，镜头，需要额外加装跟焦环，将马达齿轮和跟焦环齿轮卡紧后，马达才能够正常驱动镜头。

二. 启动蓝牙控制器和马达

长按蓝牙控制器的ON/OFF按钮三秒，指示灯亮后松开。马达插入电池后自动开机（拔出电池后自动关机）。

三. 蓝牙连接

同时开启控制器和马达后，将会自动配对，指示灯会快速闪烁。成功配对后控制器和马达的指示灯为常亮。未配对成功60秒之后会停止配对，需要手动蓝牙配对。（手动配对/配对新马达：需同时开启控制器和马达的蓝牙，见表2-④和表3-④）

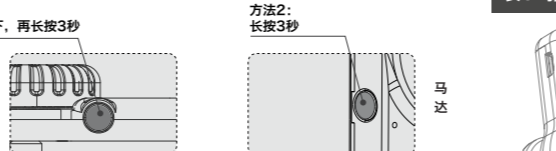


- \* 1. 控制器的稳定控制距离约为 100 米，实际控制距离受使用环境因素影响；
- 2. 信号较弱时马达和控制器会断开连接，信号恢复正常之后马达和控制器会自动恢复连接。

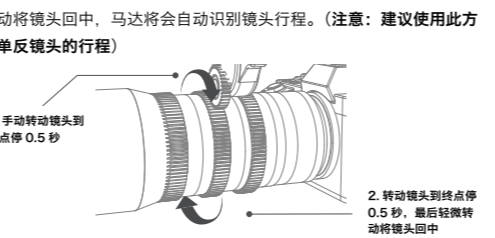
四. 校准镜头行程

方法1：短按一下控制器的ON/OFF按钮，然后再长按3秒，直到马达转动时松开，马达将会自动校准镜头行程。

方法2：长按马达的CALIBRATION按钮三秒，直到马达转动时松开，马达将会自动校准镜头行程。



方法3：手动校准镜头行程。电池插入马达后，首先卡紧马达齿轮与镜头齿轮，手动转动镜头到起点停0.5秒，再转动镜头到终点停0.5秒，最后轻微转动将镜头回中，马达将会自动识别镜头行程。（注意：建议使用此方法校准单反镜头的行程）



五. 充电说明

使用包装内提供的充电装置对产品进行充电以激活电池并保证产品正常使用。将电池插入到对应的电池槽内开始对电池进行充电。

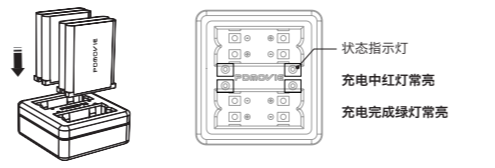


表1 指示灯颜色指示

指示灯颜色	电量说明
白色	100% - 75%
绿色	75% - 50%
黄色	50% - 25%
红色	25% - 0%

表2 控制器按钮指令

按钮点击次数	功能
①	ON/OFF — 开/关机
②	A-B LIMITS — 镜头行程限位
③	CALIBRATION — 校准镜头行程
④	BLUETOOTH PAIRING — 清除连接并重新配对蓝牙
⑤	MOTOR DIRECTION — 切换马达转向

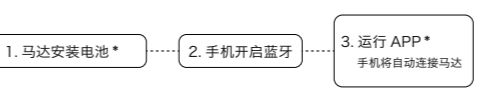
表3 马达按钮指令

按钮点击次数	功能
①	CALIBRATION — 校准镜头行程
②	RESET/RECOVERY CALIBRATION (POWER OUTAGE) 清除已校准行程/断电恢复行程
③	MOTOR DIRECTION — 切换马达转向
④	BLUETOOTH PAIRING — 开启蓝牙

②清除已校准行程时，不需要重启马达，只需按四下按钮既可重新手动设置行程；断电恢复行程：马达在使用过程中突然断电，重启后短按4下即可恢复上一次的行程。

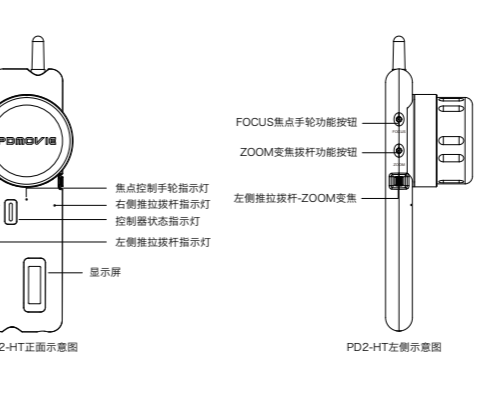
REMOTE AIR APP

用户可以使用APP控制马达。苹果APP Store搜索“PDMOVIE”或“REMOTE AIR”即可下载，目前仅支持iOS系统。

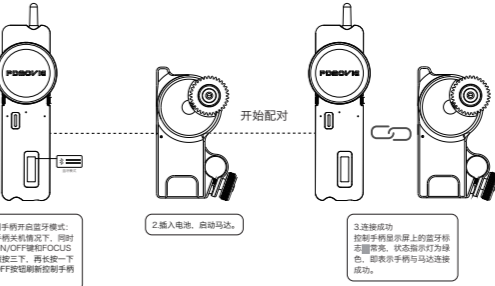


- 1. 请确保控制器已关闭蓝牙。
- 2. 每次打开APP前，需确定APP没有在后台运行，如在后台运行，请清理该APP后台，再次开启APP即可。

PDL-AP 使用说明



蓝牙控制 PDL-AP 使用说明



- \*1. 如果连接不成功，请返回第一步重新进行操作。
- 2. 配对成功后，确认焦点手柄指示灯是否为红色（双击 FOCUS 按钮可切换颜色）。长按 FOCUS 按钮 3 秒自动校准镜头行程（其它方法可参考第四-方法 2/ 方法 3）。校准完成后，可转动手柄控制马达。

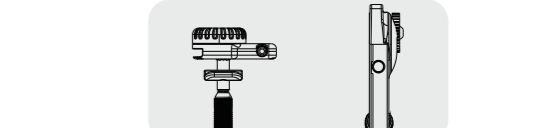
按钮	点击次数	功能
ON/OFF		BLUETOOTH MODE 蓝牙模式
ON/OFF + FOCUS		BLUETOOTH PAIRING 清除连接并重新配对蓝牙
FOCUS		A-B LIMITS 镜头行程限位
		R1 Y4 切换指示灯颜色
		MOTOR DIRECTION 切换马达转向

补充说明

1. 在 PDMOVIE 的官网和微信公众平台可以获得 REMOTE AIR APP 的使用教程，或者也可以在 APP 内 SET 界面的 HELP 项里获取更详细的 APP 功能介绍；
2. 蓝牙控制器的正常工作时间为 8-10 小时，充电时间约为 20-25 分钟，支持使用移动电源同步充电；
3. Live Air 主要用于单人拍摄，控制器的稳定控制距离为 100 米。
4. PDL-AP 属于特殊配置型号，控制手柄有更多的功能可搭配其它系列的产品使用，详情可关注微信公众号或联系技术支持获取相应咨询。

注意事项

1. 紧急停止校准：马达在校准过程中出现了不停转动的现象，只需要单击一下 CALIBRATION/ RESET 按钮，即可终止校准；
2. Live Air 2 (PDL-AZP) 可以调整马达响应速度，单击五下控制器的 ON/OFF 按钮，即可切换马达相应速度，分别为慢速、中速、快速；
3. 当马达出现转动的行程和校准的行程不相符的情况时，请检查蓝牙控制器的指示灯是否为蓝色和白色交替闪烁，出现蓝白交替闪烁则表示控制器设定了 A-B 点行程限位，单击一下 ON/OFF 按钮即可取消 A-B 点限位；
4. 关于电池保养：长期不使用本产品时，建议每隔一个月就检查一次设备电量以确保电池有足够电量；设备长期处于低电量或无电量的状态时，会导致电池容量变小；长时间充电和放电都会对电池造成损耗，建议用户将设备电量保持在 50%-74%。



# LIVE AIR 2

关注PDMOVIE微信公众号



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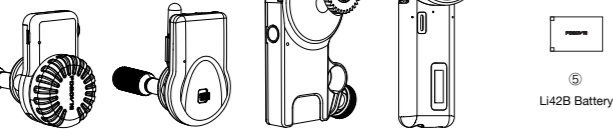
# PDMOVIE

## LIVE AIR 2

(PDL-AFP/AZP/AP)

PDMOVIE Wireless Follow Focus System

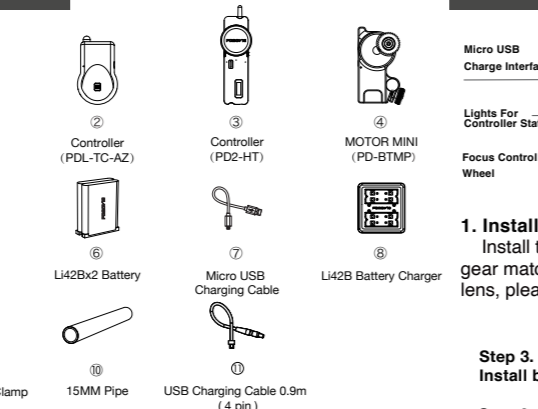
### Welcome To Use LIVE AIR 2



### Notice For Use

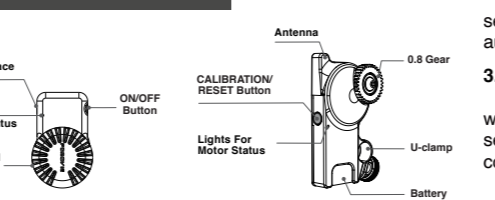
- Before using the product, please read the instructions carefully or watch the tutorial videos to learn how to use the products properly. If there are any direct or indirect adverse effects due to operational errors, PDMOVIE will not assume any responsibility.
- Please do not dismantle, repair or refit the internal structure of the product without authorization. If the product is damaged due to the above improper operation, PD Movie has the right to refuse product service.
- If you need technical support or if the product has any problems, please contact us.  
E-mail: [pd@pdmovie.com](mailto:pd@pdmovie.com)  
Facebook: [www.facebook.com/pdmovie.com.cn](https://www.facebook.com/pdmovie.com.cn)  
Website: [www.pdmovie.com](http://www.pdmovie.com)

### Configuration List



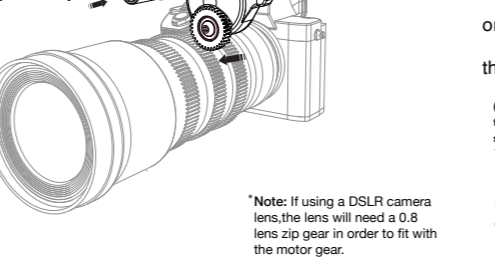
Serial number	Name	PDL-AFP	PDL-AZP	PDL-AP
1	Controller (PDL-TC-AFP)	1	-	-
2	Controller (PDL-TC-AZ)	-	1	-
3	Controller (PD2-HT)	-	-	1
4	MOTOR MINI (PD-BTMP)	1	1	1
5	Li42B Battery (3.7V 600mAh 2.2Wh)	1	-	1
6	Li42Bx2 Battery (3.7V 600mAh 2.2Wh*2)	2	2	2
7	Micro USB Charging Cable	2	2	1
8	Li42B Battery Charger	1	1	1
9	Camera Hot Shoe Clamp	1	1	1
10	15MM Pipe	1	1	1
11	USB Charging Cable 0.9m (4 pin)	-	-	1

### PDL-AFP/AZP Instruction Manual



### 1. Install Motor

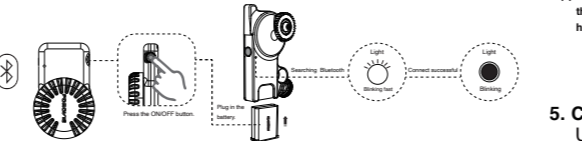
Install the motor on the 15mm rod and make sure the motor gear matches with the lens gear. (If it install on DSLR Camera lens, please use the camera hot shoe clamp.)



\*Note: If using a DSLR camera lens, the lens will need a 0.8 lens zip gear in order to fit with the motor gear.

### 3. Bluetooth Connection

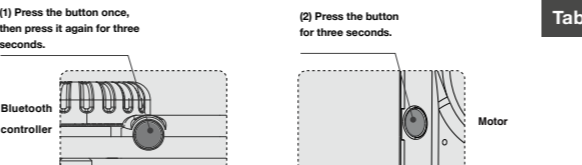
After the Bluetooth controller is turned on, the indicator lights will flash quickly for 60 seconds, which means the Bluetooth is searching. When the Bluetooth connection is successful, the controller indicator light will brighten all the time.



- \*1. The recommended control distance of the controller is about 100 meters, although the actual control distance can be affected by environmental factors.
- \*2. The motor and the controller will disconnect when the signal is weak. After the signal returns to normal, the motor and controller will automatically reconnect.

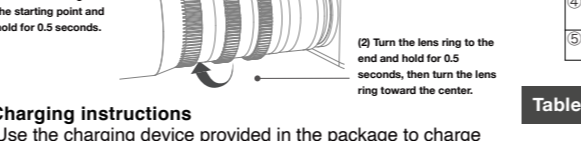
### 4. Calibration

- (1) Press the ON/OFF button of the Bluetooth controller once, then press it again and hold until the motor rotates.
- (2) Press and hold the button on the bottom of the motor for three seconds until the motor rotates.



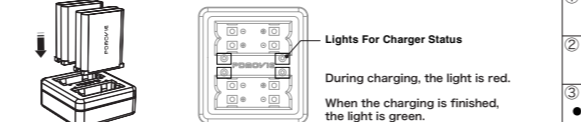
### 2. Turn on the Bluetooth controller and motor

- Press the ON/OFF button on the Bluetooth controller for three seconds until the indicator light powers on. The motor will turn on automatically when the battery is inserted.



### 5. Charging instructions

Use the charging device provided in the package to charge the product to activate the battery and ensure the product is used smoothly. Insert the battery into the corresponding battery slot to start charging the battery



### Table 1 The color of the indicator light

The color of the indicator light	Residual electricity
WHITE	100% - 75%
GREEN	75% - 50%
YELLOW	50% - 25%
RED	25% - 0%

### Table 2 Bluetooth controller. Instruction of button

Number of clicks on the buttons	Function
①	ON/OFF
②	A-B Focus Limits
③	Auto Calibration
④	Bluetooth Pairing
⑤	Motor Direction

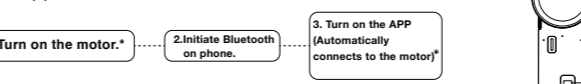
### Table 3 Motor Instruction Table

Number of click on the buttons	Function
①	Calibration Lens Stroke
②	Restore the lens stroke when power off / Remove the lens stroke
③	Switch Motor Rotate Direction
④	Turn on the Bluetooth

② **Cancel the calibrated stroke:** Please press the button four times to reset the stroke manually;  
**Restore lens stroke when powered off:** When the motor is suddenly powered off, please press the button 4 times to restart the calibration stroke.

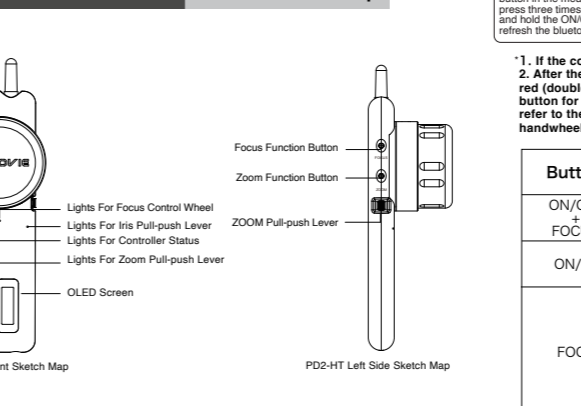
### REMOTE AIR APP

The motor can also be controlled by the iOS app. Please search PDMOVIE or REMOTE AIR, then download the app from the Apple store.

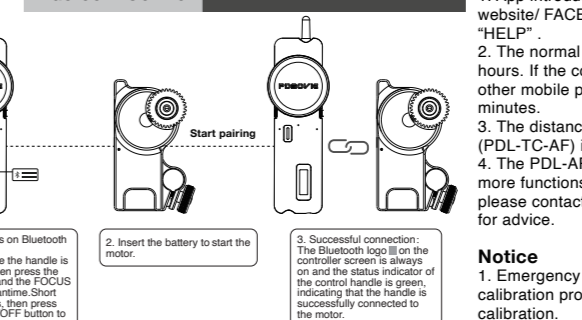


- 1. Please make sure the Bluetooth controller is off.
- 2. Before opening the app, please make sure the app is not already running, if so, please close the app and reopen again.

### PDL-AP Instruction Manual



### Bluetooth Control PDL-AP Instruction Manual



- \*1. If the connection is not successful, please return to the first step and re-do it.
- \*2. After the pairing is successful, confirm that the focus handwheel indicator is red (double-click the FOCUS button to switch the color). Press and hold the FOCUS button for 3 second to automatically calibrate the lens stroke (for other methods, refer to the fourth - method 2 / method 3). After the calibration is completed, the handwheel can be turned to control the motor.

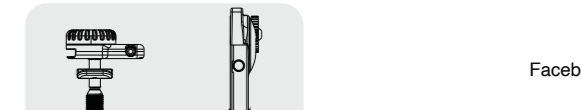
Button	Number of click	Function
ON/OFF + FOCUS	==	BLUETOOTH MODE
ON/OFF	●●●	BLUETOOTH PAIRING
FOCUS	●	A-B LIMITS
	●●	R1 Y4
	●●●●●	MOTOR DIRECTION

### Supplementary Specification

- 1. App introduction information or video obtained by PDMOVIE official website/ FACEBOOK/ YOUTUBE. Or find it from APP interface - "SET" - "HELP".
- 2. The normal run time of Bluetooth controller PDL-TC-AF is 8-10 hours. If the controller battery runs out, it can use the USB 5V output or other mobile power for charging. The normal charge time is 20-25 minutes.
- 3. The distance for Bluetooth control is 32 feet, and Bluetooth controller (PDL-TC-AF) is mainly used for a single user.
- 4. The PDL-AP is a special configuration model. The control handle has more functions to be used with other series of products. For details, please contact the WeChat public account or contact technical support for advice.

### Notice

- 1. Emergency stop of calibration: If the motor has any problems in the calibration process, please press the CALIBRATION/RESET button once to stop the calibration.
- 2. Live Air 2 (PDL-AZP) can adjust the response speed of the motor, click the ON/OFF button on the controller five times to change the motor speed. The motor has slow, medium, and fast settings.
- 3. If the motor's calibration does not coincide with the original calibration setting, please check if the light is blinking on the controller. If the channel color is blinking white, the A-B point is set. If you want to cancel the set A-B points, please press the ON/OFF button.
- 4. Battery maintenance: It is recommend that you check the battery level every month to ensure that the battery has enough power when the unit has not been turned on for more than a month. When the unit is in a low state of power for a extended period of time, it will lead to a smaller capacity of the battery. Overcharging for a long period of time will cause loss to the battery. It is recommended that the user keep the device power at 50~74%.



# LIVE AIR 2

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