

PDMOVIE

REMOTE AIR PRO 3

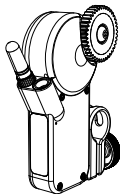
(PD4-S1/S2/S3)

PDMOVIE Wireless Follow Focus System

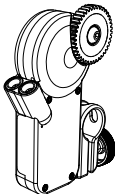
Welcome To Use REMOTE AIR PRO 3



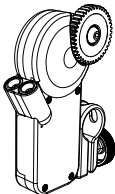
AIR PRO 3 Controller



MOTOR AIR



MOTOR AIR



MOTOR PRO

Notice For Use

1. REMOTE AIR PRO 3 is a professional three-channel wireless follow focus system. It can simply and quickly to control the focus, zoom and iris of the film Lens or the SLR Lens.
2. Before using the product, please read the instructions earnestly or watch the teaching videos for learning the using skills of the products. If there are any direct or indirect adverse effects due to operational errors, our company will not assume any responsibility.
3. Please do not dismantle, repair or refit the internal structure of the product without authorization. If the product is damaged or cannot use normally due to the above improper operation, our company has the right to refuse the maintain.
4. If you need technical support or the product have any problem, Please contact us.

E-mail: pd@pdmovie.com

FACEBOOK: <https://www.facebook.com/pdmovie.com.cn/>

Website: www.pdmovie.com

Configuration List



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⑤



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⑧



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⑫



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⑭



⑮



⑯



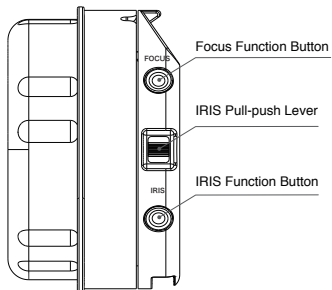
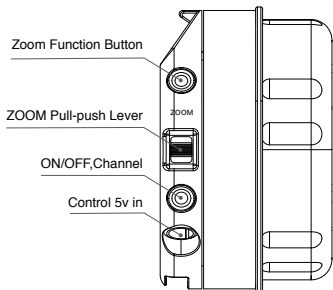
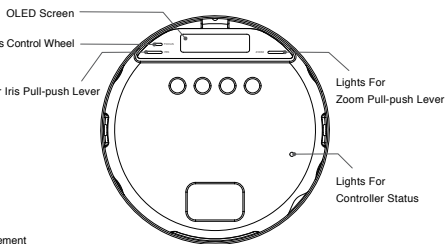
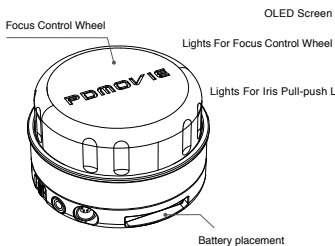
⑰



⑱

Serial number	Name	PD4-S1	PD4-S2	PD4-S3
1	Controller (PD4-HT)	1	1	1
2	Receiver motor (PD-RX)	1	1	1
3	Slave motor (PD-MX)	–	–	1
4	Slave motor (PD-MP)	–	1	1
5	Li42B Battery (3.7V 600mAh 2.2Wh)	3	3	3
6	Li42B Battery Charger	1	1	1
7	Slave Motor Cable 0.4m (6 pin)	–	1	1
8	D-Tap Power Cable 0.7m (6 pin)	1	1	1
9	USB Charging Cable 0.9m (6 pin)	1	1	1
10	Micro USB Charging Cable	1	1	1
11	15mm/19mm Adapter Ring	1	2	3
12	Glow in the Dark Marking Disk	4	4	4
13	Short Antenna	1	1	1
14	Long Antenna	1	1	1
15	Connector	1	1	1
16	1/4 Screws	4	4	4
17	Hex Spanners	2	2	2
18	Safety Box	1	1	1
19	Rope	1	1	1

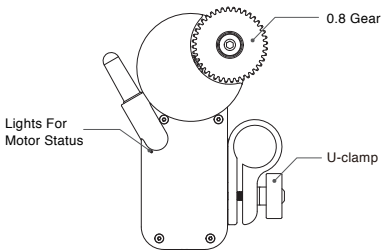
Three channel can be paired with slave motor PD-MX/PD-MP to use.



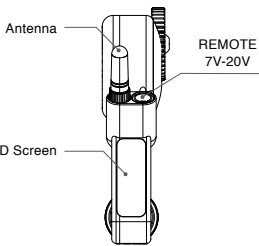
PD4-HT Left Side Sketch Map

PD4-HT Right Side Sketch Map

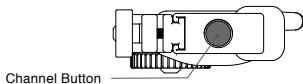
Front Sketch Map



Left Side Sketch Map

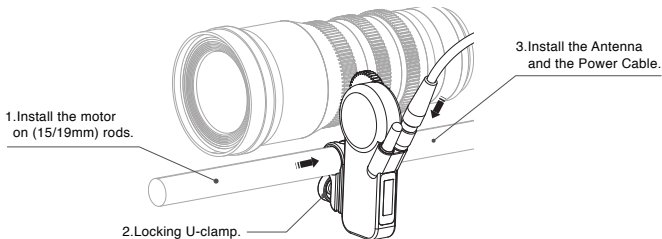


Bottom Sketch Map



1. Install Motor

Install the motor on 19mm or 15mm (using the adapter) rods. At the same time, the motor gear stuck on the lens gear. Then install the antenna to the main motor PD-RX.

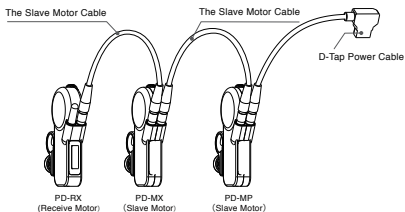


2. Connection

PD4-S1(Single Channel): PD-RX (Receiver Motor) connect with the D-Tap Power Cable. Then, the D-Tap Power Cable connect with V-mount Power Cable.

PD4-S2(Double Channel): PD-RX (Receiver Motor) and PD-MP (Slave Motor) are connected by slave motor cable, PD-MP (Slave Motor) connect with the D-Tap Power Cable. Then, the D-Tap Power Cable connect with V-mount Power Cable.

PD4-S3(Three Channel): PD-RX (Receive Motor) and PD-MX (Slave Motor) and PD-MP (Slave Motor) are connected by two parts of slave cables. PD-MP (Salve Motor) connects with the D-Tap power cable, and the D-tap power cable connects with V-mount power supply. 7-20V interface on the motor is used for power supply and signal transmission, it can be connected according to the most convenient location.



Instruction Manuals

Set Up

3. Powering on (turn on the controller and the motor)

Press the ON/OFF button on the right side of the controller for three seconds, until the screen is bright and then loosen the button. The motor does not need to turn on or turn off, it will turn on automatically when power supply. It will turn off automatically when outage.

4. Set up the signal channel, the motor connects to controller.

Check the info at the OLED monitor on the controller and master motor to see if they are at the same signal channel. In case of inconsistency, you can adjusted the controller or the signal channel of the motor. check whether is the signal lattice on the top of right screen or not when the signal channel is consensus. If there has an indication, that has been successfully connected.

1. Check the consistency of the channel number.



2. Check signal intensity.



Adjusting method for motor and controller channel: Click the Channel button once for awaken the regulation channel function until the channel numeral blink. Then click the Channel button for changing the channel. Channel digital flicker will automatically return to normal after 5 seconds when non-operation. (Use the same process to change the controller and the motor's channel)

5. Set up the control channel

(1) The controller has three control parts, it can control three channels. The hand-wheel is controlling the FOCUS (Red light), the left side of the push-pull lever is control the ZOOM (Green light) and the right side of push-pull lever controls the IRIS (Blue light). The push-pull lever on both sides can be set to green or blue according to the control needs. The control channel can change by double click the button on both sides. (Specific reference: schematic and channel list)

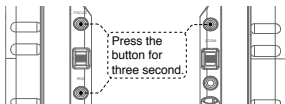
(2) Check the color of the state indicator light on the front of the motor, confirm whether the motor is in the corresponding control channel. Quickly double click the channel button of the motor to switch the control channel. Motor setup channel is a non-sequence.

Times of click on the buttons	Channel	The color of the indicator light	Control
● ●	R1	Red	Focus
	G2	Green	Zoom
	B3	Blue	Iris
● ● ●	Y4	Yellow	Channel 4(standby)
	C5	Cyan	Channel 5(standby)
	P6	Purple	Channel 6(standby)

Set Up Instruction Manuals

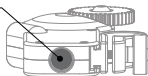
6. Calibrate Lens Stroke

(1) Long press the FOCUS, ZOOM, or IRIS button on the controller for three seconds, until the motor rotates. The motor will auto calibration of lens stroke. Multiple motors will be detected simultaneously, when multiple channels are used.



(2) Long press the button on the bottom of the motor for three seconds, until the motor rotates. The motor will auto calibration of lens stroke. When multiple channel is used, the motor needs to be operated one by one.

Press the button for three second.



(3) Manually calibration

1. Turn on the motor.
2. When the motor gear and the lens gear are completely matching, turn the lens to the starting point and stop for 0.5 seconds.
3. Then turn the lens to the end and stop for 0.5 seconds.
4. Finally turn the lens back a little bit. The manual calibration is done. (The lens of the focusing infinite position can reference the numerical setting of the infinity and the nearest focal length.)

7. Use

Please turn the hand-wheel and push-pull lever of the controller for checking the corresponding motor in normal use. The rotation speed and direction can change by the motor or controller. For more detail, please read button instruction table on the controller and motor.

Controller PD4-HT Instruction Table Of Button

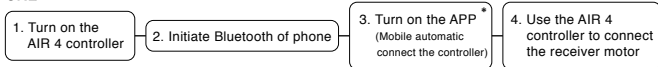
Button	Times of click on the buttons	Function
ON/OFF	•	Switch signal channel
	▬	Turn ON/OFF
	•••▬	Bluetooth Pairing
FOCUS ZOOM IRIS	▬	Calibration lens stroke
	•	A-B Point Lens travel limit
	••	Switching control channel
	•••	Switched ZOOM and IRIS controlled parts
	•••••	Control speed of Pull-push Lever
	•••••••	Switch Motor Rotate Direction

Motor Instruction Table

Times of click on the buttons	Function
① •	Switch signal channel/Terminal calibration
② ••	R1 G2 B3 --Switching control channel
③ •••	Y4 C5 P6--Switching the standby channel (Reserve Function)
④ •••••	Restore the lens stroke when power off / Remove the lens stroke.
⑤ ••••••	FAST/MEDIUM/SLOW--Switch Motor Rotate Speed
⑥ ▬	Calibration Lens Stroke
⑦ •••••••	Switch Motor Rotate Direction
⑧ •••▬	Bluetooth Pairing
④ Cancel the calibrated stroke: Do not need to restart the motor, just press four times of button to reset the stroke manually. Restore the lens stroke when power off: When the motor is suddenly powered off, please press 4 times of button for restart the calibration stroke.	
⑤ The Light Flash quickly: The quickest speed The Light Flash Slowly: The middle speed The Lights On: The slowest speed.	

The motor can control by IOS system APP. Please search PDMOVIE or REMOTE AIR, then download the APP from Apple store.

ONE



TWO

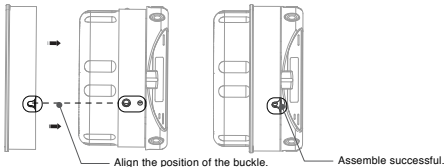


* Before open the APP, please make sure the APP did not running, if so, please close the APP then reopen again.

Additional Accessories Instructions

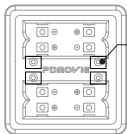
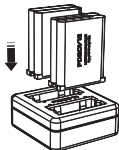
8. Marking Disk

After aligning the notch of the marking disk with the buckle on the handle, slide the marking ring into the controller firmly.



9. 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.



Lights For Charger Status

During charging, the light is red.

When the charging is finished, the light is green.

Supplementary Specification

1. The 0.8M gear is standard configuration of motor. If need 0.4M/0.5M/0.6M motors' gear, please contact our after service or purchase in PDMOVIE official AliExpress store directly.
2. If the motor has any problems in the calibration process, please press the Channel button once for stopping the calibration.
3. When controlling the SLR Lens, it suggests the motor rotation speed of being adjusted to medium or slow. It is the best control speed for SLR shoot.
4. Recommend the SLR camera lens user using the manual calibration for calibrating.
5. The standard configuration of the power supply is B port power cable of the V-Mount battery. The normal operating voltage of the motor is between 7V~20V. After sells service supports the service of changing the cable and so on.
6. The standard configuration of the power supply is B port power cable of the V-Mount battery. The normal operating voltage of the motor is between 7V~20V. After sells service supports the service of changing the cable and so on.
7. The normal working time of the controller PD4-HT is 12 hours. If there is insufficient power in the work, the mobile power supply with USB 5V output can be used for charging. The normal charge for 60 minutes can be full.
8. Battery maintenance: Recommend to checking the power consumption every month to ensure that the battery has enough power when you do not use the battery. When the equipment is in a state of low power or no electricity for a long time, it will lead to a smaller capacity of the battery. Overcharging or over discharging for a long time will cause loss to the battery. It is recommended that the user keep the device power at 50~74%.

Warranty and Upgrade

REMOTE AIR PRO 3 offers free upgrade program and one year warranty for hardware. PDMOVIE dealer will also offer you same service or you can directly call PDMOVIE.

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PDMOVIE Technology Co., Ltd.

Web: www.pdmovie.com

E-mail: pd@pdmovie.com

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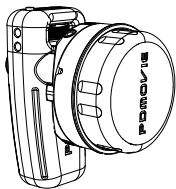
REMOTE AIR PRO 3

(PD4-S1/S2/S3)

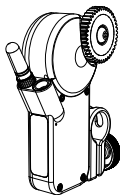
产品说明手册

圆美道无线跟焦系统

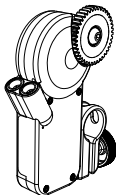
欢迎使用 REMOTE AIR PRO 3



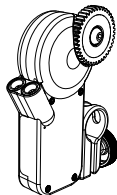
AIR PRO 3手柄



MOTOR AIR



MOTOR AIR



MOTOR PRO

使用须知

1. REMOTE AIR PRO 3 是专业电影级的三通道无线跟焦系统。它能简单快速地对电影镜头 / 单反镜头的焦点、焦段和光圈进行远程控制。
2. 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。
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4. 如产品在使用期间出现问题, 导致产品无法使用或需要一对一调试产品的情况, 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

配置清单



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AIR PRO 3手柄



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MOTOR AIR



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MOTOR AIR



④

MOTOR PRO



⑤

电池



⑥

充电器



⑦

串联马达线0.4m(6针)



⑧

D-Tap电源线0.7m(6针)



⑨

USB充电线0.9m(6针)



⑩

Micro USB充电线



⑪

15mm/19mm转接环



⑫

标记环



⑬

短天线



⑭

长天线



⑮

连接件



⑯

1/4螺丝



⑰

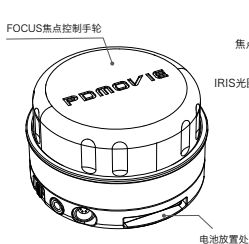
内六角扳手



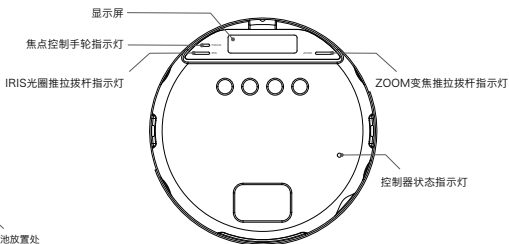
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安全箱

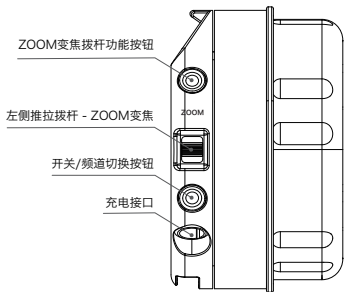
产品编号	名称	PD4-S1	PD4-S2	PD4-S3
1	控制手柄 (PD4-HT)	1	1	1
2	接收马达 (PD-RX)	1	1	1
3	串联马达(PD-MX)	—	—	1
4	串联马达(PD-MP)	—	1	1
5	Li42B电池(3.7V 600mAh 2.2Wh)	3	3	3
6	Li42B电池充电器(1充4)	1	1	1
7	串联马达线0.4m(6针)	—	1	1
8	D-Tap电源线0.7m(6针)	1	1	1
9	USB充电线0.9m(6针)	1	1	1
10	Micro USB充电线	1	1	1
11	15mm/19mm转接环	1	2	3
12	白色标记环	4	4	4
13	短天线	1	1	1
14	长天线	1	1	1
15	连接件	1	1	1
16	1/4螺丝	4	4	4
17	内六角扳手	2	2	2
18	安全箱	1	1	1
19	挂绳	1	1	1



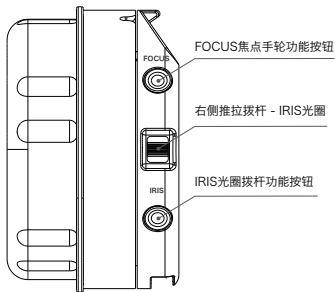
PD4-HT整体示意图



PD4-HT背面示意图

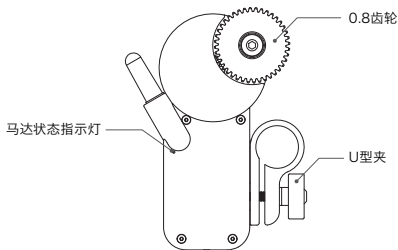


PD4-HT左侧示意图

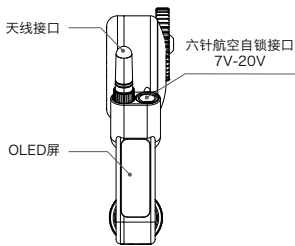


PD4-HT右侧示意图

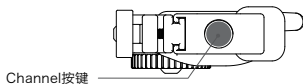
正面示意图



侧面示意图

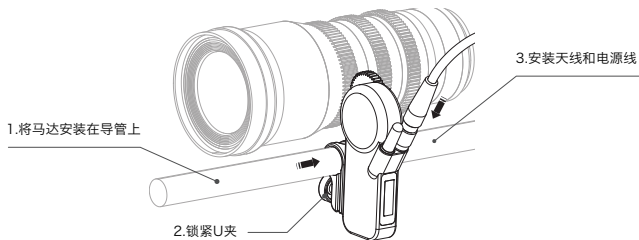


底面示意图



一. 安装马达

首先将马达安装在19mm或15mm（使用转接环）导管上，注意要卡紧马达齿轮和镜头齿轮，然后锁紧U夹，最后把天线和电源线安装在接收马达（PD-RX）上。

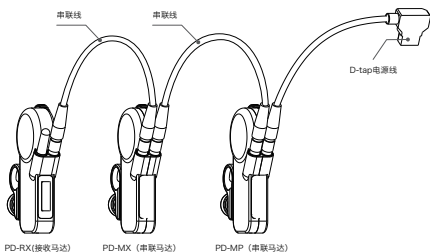


二. 接线

PD4-S1(单通道) : PD-RX(接收马达) 连接 D-tap 电源线, D-tap 电源线连接 V-mount 电源。

PD4-S2(双通道) : PD-RX(接收马达) 和 PD-MP(串联马达) 用串联线进行连接, PD-MP(串联马达) 连接 D-tap 电源线, D-tap 电源线连接 V-mount 电源。

PD4-S3(三通道) : PD-RX(接收马达) 和 PD-MX(串联马达)、PD-MP(串联马达) 分别用两根 串联线进行连接。PD-MP(串联马达) 连接 D-tap 电源线, D-tap 电源线连接 V-mount 电源。马达上的 REMOTE 7-20V 接口用作供电和信号传输, 可根据最方便的位置进行连接。



使用说明 设置

三. 启动控制器和马达

长按控制器右侧的ON/OFF按钮三秒, 待显示屏亮后松开。马达无需开关机, 接通电源即自动开启, 断电即自动关机。

四. 设置信号频道, 控制器连接马达

在使用前, 请检查控制器显示屏和接收马达显示屏上的信号频道是否一致。若出现不一致的情况, 可调节控制器或接收马达的信号频道。信号频道一致后, 检查显示屏右上方是否有信号格, 有则表示已成功连接。

1. 检查信号频道是否一致



2. 检查是否有信号格



控制器和马达调频方法: 单击一下Channel按钮唤醒调频功能, 待频道数字闪烁后, 再单击Channel按钮, 调到相应频道即可。频道数字闪烁会在无操作5秒后自动恢复正常。(控制器和马达的调频方式相同)

五. 设置控制通道

1. 控制器有三个控制部件，分别控制所在通道的马达。使用焦点控制手轮时，马达指示灯颜色应设置为红色，左右两侧的推拉拨杆可根据控制需要设置为绿色或蓝色。快速双击与部件相对应的按钮即可设置控制通道。（具体可参考示意图和通道列表）

2. 在使用前检查马达正面的状态指示灯颜色，确定马达是否在相应的控制通道，快速双击马达的 Channel 按钮即可切换控制通道。设置马达的通道不分先后顺序，不分接收马达或串联马达。

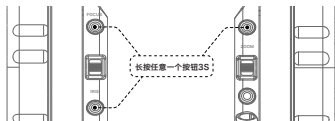
点击按钮次数	通道	指示灯颜色	控制
●●	R1	红色RED	FOCUS（聚焦）
	G2	绿色GREEN	ZOOM（变焦、推拉）
	B3	蓝色BLUE	IRIS（光圈）
●●●	Y4	黄色Yellow	通道4（备用）
	C5	青色Cyan	通道5（备用）
	P6	紫色Purple	通道6（备用）

设置

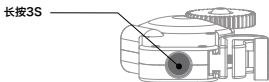
使用说明

六. 校准镜头行程

方法1：长按控制器的FOCUS、ZOOM、IRIS任意一个按钮三秒，马达转动即可松开，马达将会自动校准镜头行程。使用多通道时，多个马达会同时检测。



方法2：长按马达底部的Channel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。使用多通道时，需要逐个马达操作。



方法3：手动校准镜头行程：在马达插入电源线后，在确定马达齿轮和镜头齿轮完全咬合的情况下，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。（对焦无限位的镜头可参考无限远和最近焦距的数值设置）

七. 使用

使用控制器的焦点控制手轮和两侧的推拉拨杆前，请检查在相应控制通道的马达是否正常使用。此外，马达的转动速度和方向皆可通过控制器或马达进行调节。**更多详细功能，请查看下表。**

控制器按钮指令表

按钮	按钮点击次数	功能
ON/OFF	① ●	CHANNEL — 切换信号频道
	② ■■■■	TURN ON/OFF — 开/关机
	③ ●●●■■■■	BLUETOOTH PAIRING — 开启蓝牙配对
FOCUS ZOOM IRIS	④ ■■■■	CALIBRATION — 校准镜头行程
	⑤ ●	A-B — 镜头行程限位
	⑥ ●●	R1 G2 B3 Y4 C5 P6 — 切换控制通道
	⑦ ●●●	ZOOM ↔ IRIS — 切换焦距和光圈受控部件
	⑧ ●●●●●	ZOOM SPEED — 调节推拉拨杆控制速度
	⑨ ●●●●●●●	MOTOR DIRECTION — 切换马达转向

马达指令表

按钮点击次数	功能
① ●	CHANNEL/STOP CALIBRATION — 切换信号频道/终端校准
② ●●	R1 G2 B3 — 切换控制通道
③ ●●●	Y4 C5 P6 — 切换备用通道（储备功能）
④ ●●●●	RESET/RECOVERY CALIBRATION (POWER OUTAGE) — 清除已校准行程/断电恢复行程
⑤ ●●●●●	FAST/MEDIUM/SLOW — 切换马达转动速度 快速/中速/慢速
⑥ ■■■■	CALIBRATION — 校准镜头行程
⑦ ●●●●●●	MOTOR DIRECTION — 切换马达转向
⑧ ●●●■■■■	BLUETOOTH PAIRING — 开启蓝牙配对

④清除已校准行程：不需要重启马达，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下可恢复上一次的行程。

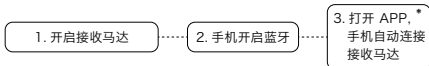
⑤指示灯快速闪烁：马达速度为快速；指示灯缓慢闪烁：马达速度为中速；指示灯常亮：马达速度为慢速。

马达可以通过APP进行控制。苹果APP Store商店搜索PDMOVIE或REMOTE AIR 即可下载，目前仅支持IOS系统。APP有两种控制方法：

方法一



方法二



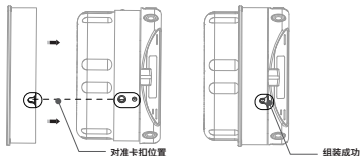
* 每次打开 APP 前，需确定 APP 没有在后台运行，如在后台运行，请清理该 APP 后台，再次运行即可。

登陆PDMOVIE官方网站或通过微信公众平台可以获得REMOTE AIR APP的使用教程、APP内SET界面的HELP项也有完整的APP功能介绍。

附加配件使用说明

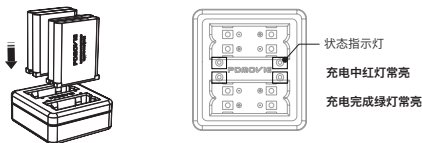
九. 标记环

将白色标记环的缺口对准手柄上的卡扣位后，用力将标记环滑入扣紧。



十. 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顺利使用。将电池插入到对应的电池槽内开始对电池进行充电。



补充说明

1. 马达标配 0.8M 的齿轮，如遇特殊情况需要 (0.4m、0.5m、0.6m) 的齿轮可以联系售后或在 PDMOVIE 淘宝直营店购买。
2. 马达在校准过程中出现了任何问题，只需要单击一下 Channel 按钮，即可终止校准。
3. 马达控制单反镜头时，建议将马达的转动速度调为中速或慢速，短行程的镜头中慢速为最佳控制速度。
4. 单反镜头校准行程建议采用手动校准镜头行程的方法进行校准。
5. 马达的正常工作电压在 7 ~ 20V 之间，标配 V-Mount 电池的 B 口电源线，如需采用其他供电电源，可选择有 7 ~ 20V 输出的电源，联系售后可支持改线等服务。
6. 控制器 PD4-HT 的正常工作时间为 12 小时，如工作中电量不足，可用有 USB 5V 输出等移动电源进行边充边用。正常充电 60 分钟可充满。
7. 当马达转动的行程突然和原来校准的行程不相符时，可查看控制器 PD4-HT 的指示灯是否为当前通道颜色和白色交互闪烁，交互闪烁则表示当前控制通道设定了 A-B 点行程限位，单击一下相应的按钮即可取消 A-B 点。
8. 关于电池保养：长期不使用时，建议每隔一个月就检查一次设备电量以保证电池有足够电量；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；长时间过度充电或者过度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%。

关于保修和升级

REMOTE AIR PRO 3 享有免费的固件升级和一年的硬件保修期限,这些服务可在PDMOVIE经销商处获得，或直接联系PDMOVIE。

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Web: www.pdmovie.com.cn

E-mail: pd@pdmovie.com

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