

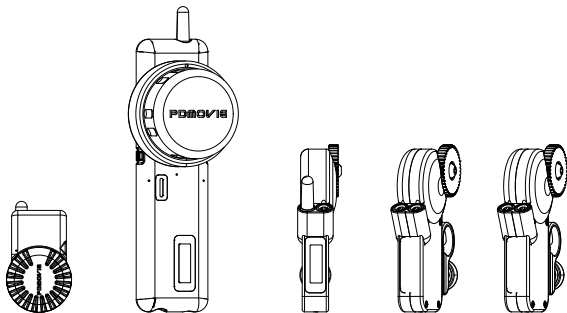
pdmovie

REMOTE AIR 4

(PD2-M1/M2/M3)

PDMOVIE Wireless Follow Focus System

Welcome To Use REMOTE AIR 4



Notice For Use

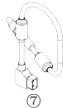
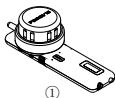
- 1.REMOTE AIR 4 is a professional three-channel wireless follow focus system. It can simply and quickly to control the focus, zoom and iris of the film Lens or the SLR Lens.
- 2.Before using the product, please read the instructions earnestly or watch the teaching videos for learning the using skills 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



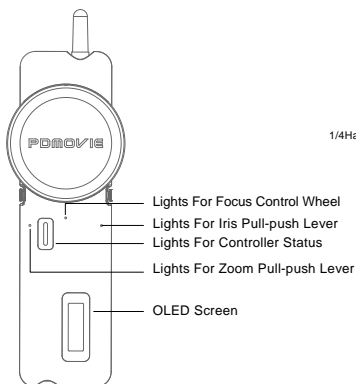
⑨



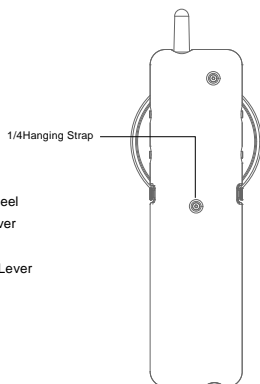
Serial number	Name	PD2-M1	PD2-M2	PD2-M3
1	Controller (PD2-HT)	1	1	1
2	Bluetooth controller (PDL-TC-AF)	1	1	1
3	Receiver motor (PD-RX)	1	1	1
4	Slave motor (PD-MX)	—	1	1
5	Big Torque Slave motor (PD-MP)	—	—	1
6	Slave Motor Cable 0.4m (6 pin)	—	1	2
7	D-Tap Power Cable 0.7m (6 pin)	1	1	1
8	USB Charging Cable 0.9m (4 pin)	1	1	1
9	Micro USB Charging Cable	1	1	1
10	15mm/19mm Adapter Ring	1	2	3
11	Glow in the Dark Marking Disk	2	2	2
12	Short Antenna	2	2	2
13	Long Antenna	2	2	2
14	Rope	1	1	1
15	Safety Box	1	1	1

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

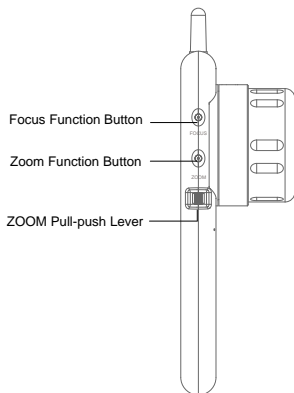
Product Sketch Map Controller



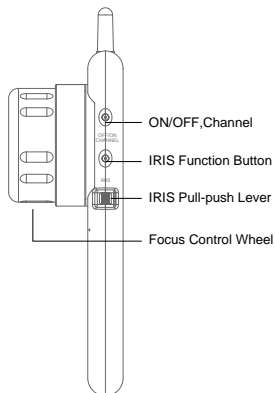
PD2-HT Front Sketch Map



PD2-HT Back Sketch Map

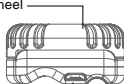


PD2-HT Left Side Sketch Map

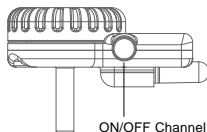


PD2-HT Right Side Sketch Map

Focus Control Wheel

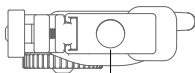


Micro USB Charge Interface

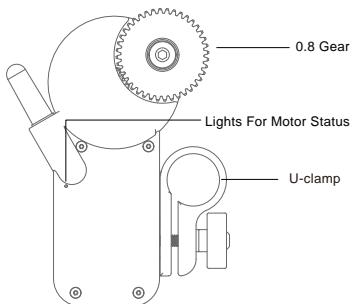


ON/OFF Channel Button

Motor



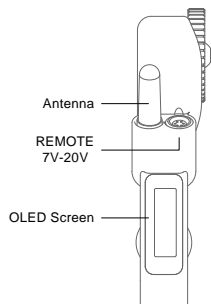
Channel Button



0.8 Gear

Lights For Motor Status

U-clamp



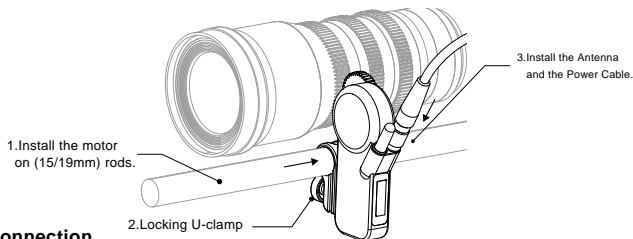
Antenna

REMOTE
7V-20V

OLED Screen

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.

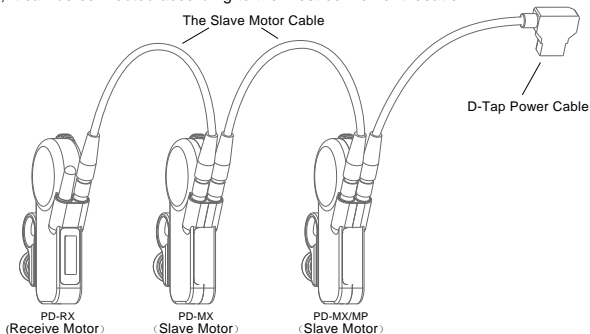


2.Connection

PD2-M1(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.

PD3-M2(Double Channel): PD-RX (Receiver Motor) and PD-MX (Slave Motor) are connected by slave motor cable, PD-MX (Slave Motor) connect with the D-Tap Power Cable. Then, the D-Tap Power Cable connect with V-mount Power Cable.

PD2-M3 (Three Channel): PD-RX (Receive Motor) and PD-MX1 (Slave Motor 1) and PD-MX2 (Slave Motor 2) are connected by two parts of slave cables. PD-MX2 (Salve Motor 2) 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.



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

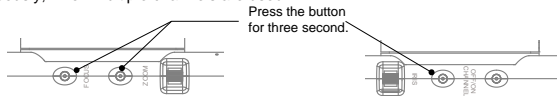
1.The controller has three control parts, it can control three channels. The hand-wheel is controlling the FOCUS (Red light), the left side of the push-pull lever is control the ZOOM (Green light) and the right side of push-pull lever controls the IRIS (Blue light). The push-pull lever on both sides 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)

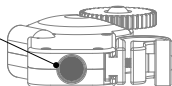
6. Calibrate Lens Stroke

(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 PD2-HT Instruction Table Of Button

Button	Times of click on the buttons	Function
ON/OFF	●	Switch signal channel
	■	Turn ON/OFF
FOCUS ZOOM IRIS	■	Calibration lens stroke
	●	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
●	Switch signal channel/Terminal calibration
● ●	R1 G2 B3 --Switching control channel
● ● ●	Y4 C5 P6--Switching the standby channel (Reserve Function)
● ● ● ●	Restore the lens stroke when power off / Remove the lens stroke. ①
● ● ● ● ●	FAST/MEDIUM/SLOW--Switch Motor Rotate Speed ②
● ● ● ● ● ●	Calibration Lens Stroke
● ● ● ● ● ● ●	Switch Motor Rotate Direction
● ● ● ● ● ● ● ●	Turn on the Bluetooth

① **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.

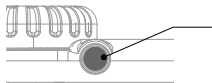
② **The Light Flash quickly:** The quickest speed
The Light Flash Slowly: The middle speed
The Lights On: The slowest speed.

Bluetooth Control

Instruction Manuals

1.Turn on the Bluetooth controller and motor

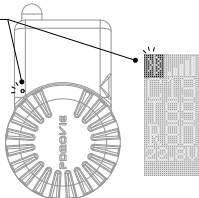
Press the OFF/ON button on the Bluetooth controller for three seconds, until the screen is bright. The PD-RX (Receive motor) will turn on automatically when connect with the power.



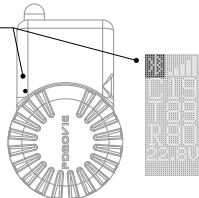
2.Bluetooth Connect

After the Bluetooth controller is turned on, the indicator lights will flash quickly for 60 seconds, which means the Bluetooth is being searched. When the Bluetooth connection is successful, the controller indicator light is bright, and the Bluetooth logo on the motor display is on.

1.Searching Bluetooth:
Blinking fast 60s.



2.Connect successful:
Brighting








3. Calibration

Press the OFF/ON button of the Bluetooth controller once, then press it again and hold on, until the motor's running. Then, the motor automatically calibrates the lens stroke. Other calibration methods can be referred to "Instruction Manuals Set Up → 6 → (2) or (3)".

4. Use

Turn the hand-wheel of the Bluetooth controller to check the motor can be used normally or not. (Note: The Bluetooth controller only control the single channel, the receiver motor must be set in the focus control channel, the motor state indicator is red)

Bluetooth Controller PDL-TC-AF Instruction Table Of Button

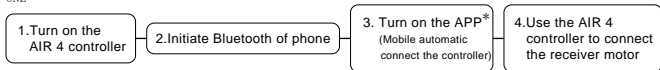
Times of click on the buttons	Function
	TURN ON/OFF
	Lens travel limit
	Calibration lens stroke
	Activation Bluetooth
	Switch Motor Rotation

Residual electricity	The color of the indicator light
100%-75%	WHITE
74%-50%	GREEN
49%-25%	YELLOW
24%-0%	RED

5. REMOTE AIR APP

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.

App introduction information or video obtained by PDMOVIE official website/ FACEBOOK/ YOUTUBE. Or find it from APP interface - "SET" - "HELP".

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.The distance of Bluetooth control is 10 meters, and Bluetooth controller PDL-TC-AF is mainly used for single person shooting.
- 4.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.
- 5.Recommend the SLR camera lens user using the manual calibration for calibrating.
- 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 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.
- 8.The normal working time of the controller PD2-HT is 30 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.
- 9.The normal working time of Bluetooth controller PDL-TC-AF is 8-10 hours. If the controller lack working power, it can use the USB5V output or other mobile power for charging. The normal charge time is 20-25 minutes.
- 10.When the motor's calibration does not coincide with the original calibrated, please check the controller PD2-HT or PDL-TC-AF' s blinking light, If the current channel color and white blinking which mean setting the A-B point. If you want to cancel the A-B point limit, please press the corresponding button once.
- 11.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 4 offer free upgrade program and one year warranty for hardware. PDMOVIE dealer will also offer you same service or you can directly call PDMOVIE.

pd movie



PDMOVIE Technology Co., Ltd.

Web: www.pdmovie.com

E-mail: pd@pdmovie.com

Facebook: www.facebook.com/pdmovie.com.cn