

PD1 & PD1-HT

QUICKSTART GUIDE

Remote Air Follow Focus System / High Torque System



What's Included

- 1 x Wireless Remote
 - 1 x Receiver/Motor Controller
 - 1 x Follow Focus Motor
 - 1 x P-Tap Power cord
 - 1 x USB Charging Cable
 - 1 x Motor Drive Line
 - 1 x USB Wall Port
 - 1 x Strap
 - 2 x Antenna
 - 2 x Short Antenna
 - 2 x 15–19mm Adapter Rings
 - 1 x Hard Case
- Standard
- High Torque

CHECKED BY

ikan

www.ikancorp.com

support@ikancorp.com

713.272.8822

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Welcome to your New PD Movie Remote Follow Focus System

Welcome to Ikan's PD Movie Remote Air Follow Focus System. You will find that this and other PD Movie products have been created with the objective of expanding your image capture options and enabling you to adapt to a variety of shooting scenarios. Being modular in design, there are alternative ways of configuring the equipment to change your control surfaces, mounts, and power options, and add control features to meet your camera and rig needs.

PD Movie Remote Air Models PD1 and PD2 — whether the Standard Torque or High Torque versions — will accurately control your lens and camera wirelessly. You will need to provide a pro-style battery (Sony V-Mount or Anton Bauer) or power source of 12-20V from a P-Tap to power your receiver and the motors. There are optional coax to Lemo power plug options available from your Ikan dealer. www.lkancorp.com



What's Included



NO	Name	Single Channel (Focus)		Dual Channels (Focus, Zoom)
		EF	MAX	
A	Wireless Remote	1	1	1
B	Receiver/ Motor Controller	1	1	1
C	Follow Focus Motor (EF)	1		1
	Follow Focus Motor (MAX)		1	1
D	P-Tap Cord	1	1	1
E	USB Charging Cable	1	1	1
F	Motor Drive Line	1	1	2
G	USB Charger	1	1	1
H	Strap	1	1	1
I	Short Antenna	2	2	2
J	Antenna	2	2	2
K	15 to 19mm Adapter Ring	2	2	3
L	Hard Case	1	1	1

Getting Started

Before initial use, have a 12-20V pro battery fully charged for the receiver and motor power. The hand control has an internal battery that lasts up to 10 hours. However, with the Lemo to USB cable you may continue to shoot with no down time. You may also charge and power the hand control with the P-Tap Cable.

There are multiple modes of operation for PD Movie Remote Air units. Upon startup and calibration, the lens motor will operate in Standard mode. To change to Ramp mode, press the Nerve button seven times, and the light will flash yellow to indicate a mode change. In Ramp mode the speed of the motor is slower, and it will ramp or “feather” the ends of the motor movement. To return to Standard mode, press the Nerve button seven times. The indicator light will blink when the mode has switched.

The PD1 and PD2 motors are equipped with a .8 gear. The kits for both PD1 and PD2 are able to adapt to multiple gears which are available as an optional accessory. Three additional gears are included with the PD-GEAR-KIT (.4, .5, and .6) and three hex screws, which can be installed onto the existing .8 gear (see picture at right).



Receiver Buttons & Operation

BUTTON / CONNECTION	INSTRUCTION/FUNCTION
ON / OFF CHANNEL	Hold for 2 seconds until display shows up. Quick Press to change channel
ANTENNA	Antenna Connection
MOTOR	Motor Connector
REMOTE	Optional Wired Controller
12-20V	12-20V D-TAP Power Cable



Transmitter Button Controls & Operation

BUTTON / CONNECTION		FUNCTION	INSTRUCTIONS
ON / OFF CHANNEL		ON/OFF	Hold the On/Off button for two seconds, until display powers up. Select a channel on both receiver and transmitter, and observe the signal strength. When signal strength reaches 100% you may begin automatic scan of lens.
		CHANGE CHANNEL	You may cycle through 1–20 channels with a quick press of the Channel Button to find the cleanest signal.
Nerve	Focus Nerve Zoom Nerve (2 Channel) Iris Nerve (3 Channel)	Automatic Scan	To start Automatic Scan of lens, press and hold for three seconds until motor begins to turn, then release. The motor will travel one direction to detect a hard stop and then change direction to find the other end of the lens or hard stop. Once it finds the primary lens, calibration is complete. You may begin to mark your disk with desired lens information. <i>Note: The Control wheel has a range of digital positions (approx -0.5 to 500) that correspond to the motor. They are displayed in the fourth line of the transmitter's display and may be used as an additional reference for mapping and re-mapping the lens. This is helpful when changing lenses. You may use this reference number for quick stops or to match a previously marked disk/lens.</i>
		Change Motor Direction	Quick-press the Nerve button five times to change direction of motor to match the side of camera from which you choose to operate, or to change motor rotation if using Nikon or Leica lens (where rotation is reversed).
	Set Manual A-B Stop	Set	After Automatic Scan is completed, you may wish to use a specific range on the lens for more specific zoom or focus moves. You can map the whole control surface of the wheel from points A to B. Setting your A-B Stop is a combination of a button press and rotation of the controller wheel. To begin, set the lens in between the two positions you are choosing. While turning the wheel toward your first stop, press Nerve once and release. Then simultaneously press and hold Nerve again while continuing to your first position. Change directions and move to your second position; release the Nerve button when you have reached your other stop. The motor will reset in the middle of the range you have just mapped. Your A-B stops will be mapped to the whole range of the focus wheel. Brief Tutorial: http://vimeo.com/97558755
		Cancel	To cancel your A-B stop and return to Primary Lens Calibration, double-press the Nerve button. The motor will return to the middle of the lens position.
	Record Last Manual Setting		Restart Remote control, then apply one short press of Nerve Button.
3D Mode			To set 3D Mode, Press Nerve Button ten times.

LCD Display Info

Line 1:

Frequency = 2.4 GHz Channel = 1-20 Channels

Line 2:

Signal Level = Signal Connection. If no response, restart receiver.

Line 3:

TX (Transmitter) = Battery level volts. Normal Operating Range.

RX (Receiver) = Battery level volts. Normal Operating Range.

Note: Normal operating range is 3.4–4.2v.

If level drops below 3.4v, then the battery needs to be charged.

Line 4:

Displays digital numerical assignments of the control wheel(s): approximately -0.5–515.

Note: Four separate numbers are displayed on Line 4. However, the last two are reserved for future options and software testing.

Tips:

1. Check that the correct cables are being used before operation.
2. During normal operation the motor will heat up; this is normal.
3. The motor is designed for cold weather, but will not work at temperatures under -20°C .
4. The colder the temperature, the more noise the motor will make.
5. When charging the remote, it will automatically restart. When charge is complete, remove the cable and it will automatically shut down.
6. High temperature may cause oil to form at movable mechanical joints; this is normal. You may use cleaning cloths to keep these areas clean.
7. If unit fails to scan, check Lemo connections and reattach.
8. After power-up, if there is no signal pairing to the receiver, change channels and repeat power-up until signal appears.

Note: Always power on the Transmitter FIRST, then the receiver when pairing the device.



Display on Transmitter & Receiver

Optional Accessories Exclusive to PD Movie

PDL
PD Movie Remote Live

PD2
PD Movie Remote Air 2

PD2-HT
PD Movie Remote Air High Torque

BA1
BlackMagic Armor System Kit

PD-CBL
PD Movie Motor Drive Cable

PD-6FTCBL
PD Movie Extended Motor Drive Cable

PD-12FTCBL
PD Movie Extended Motor Drive Cable

PD-GEAR-KIT
PD Movie Motor Drive Gear Kit

PD-HTMTR
PD Movie High Torque Motor Assembly

PD-MTR
PD Movie Standard Drive Motor Assembly

PD-PD1RX
PD Movie PD1 Receiver

PD-PD2RX
PD Movie PD2 Receiver

PD-PD1TX
PD Movie PD1 Transmitter

PD-PD2TX
PD Movie PD2 Transmitter

PD GEAR
PD Movie Main Drive Gear

PD-DTAP
PD Movie D-Tap Power Cord

PD-DC-PWR
PD Movie DC Power Cord

PD-DISK
PD Movie Marking Disk

PD-ANT
PD Movie Antenna

PD-SHRT-ANT
PD Movie Short Antenna

PD-CHRG
PD Movie USB Power Adapter

PD-RNG
PD Movie 15mm-19mm Step Down Ring

PD-DISK-GLO
PD Movie Glowing Marking Disk

PD-USBCBL
PD Movie USB Charging Cable

PD-STRAP
PD Movie Replacement Strap

PD-HEX
PD Movie Hex Bolt



Learn More

More dynamic information at official website: www.ikancorp.com

Support

Contact email: support@ikancorp.com

CONDITIONS OF WARRANTY SERVICE

- Free service for one year from the day of purchase if the problem is caused by manufacturing errors.
- The components and maintenance service fee will be charged if the warranty period is expired.

Free Service will not be Provided in the Following Situations:(*Even if the product is still within the warranty period.)

- Damage caused by abuse or misuse, dismantling, or changes to the product not made by the company.
- Damage caused by natural disaster, abnormal voltage, and environmental factors, etc.