

### 1、Installing the Antennas

Installing the Antennas on the hand control unit and the Receiver Motor PD3-R.

### 2、Motor Installation

The motor is mounted on 19 mm or 15 mm rods. For 15 mm rods use the included 19 to 15 mm rod adaptor.

### 3、Connecting Motors

①、When using PD1-N (Single Channel):

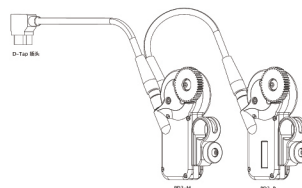
Connect the D-Tap power cable 6-pin Lemo plug directly to the PD3-R REMOTE 12 ~ 18V input.

Then connect the D-Tap plug to a pro battery or similar power source with a D-Tap output.

②、When using the PD2-N(Dual Channel):

Connect the motor cable (6-pin) from the PD3-R REMOTE 12 ~ 18V connector to the PD3-M REMOTE12 ~ 18V connector.

Connect the D-Tap to 6-pin Lemo plug to PD3-M REMOTE12 ~ 18V and connect the D-Tap plug to a pro battery or similar power source with a D-Tap output.



### 4、Powering On the motor

①、Press the ON / OFF button on the bottom for two seconds until the indicator lights up.

②、When using the series motor, need to open one by one.

### 5、Powering On the Hand Controller Unit

Press the ON / OFF button on the bottom of the unit for two seconds until the screen lights up.

### 6、Adjusting channel

When you power on the Hand Control Unit the OLED display on the back shows status information. The first line displays the current channel. The channel on the Hand Control Unit MUST match the channel on the Receiver Motor PD3-R. If they do not you can short press the OFF / ON Channel on either unit multiple times until the channel number matches. The OLED Display Information:

2.4G	2.4GHZ wireless network
Channel	Shows current Channel in use, short press on <b>OFF/ON Channel</b> button to change channel
Signal Level	It displays the signal strength of the Hand Control Unit and the receiver when interworking
TX	The controller battery charge remaining percentage
RX	Receiver voltage

### 7、Calibrating Lens

①、When using PD1-N (Single Channel): Long press NERVE button on the left side of controller to conduct range test of lens;

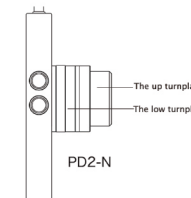
②、When using PD2-N (Dual Channel): Long press FOCUS NERVE button on the left side or ZOOM NERVE button on the right side of controller to conduct range test of lens, the two motors would rotate at the same time during auto test.

### 8、Operation

①、When using PD1-N (Single Channel): Rotate the turnplate on controller to control motor adjusting zoom, focus and iris; the controller turnplate drives the motor with red indicator by default;

make sure that motor is at channel R1 (please refer to the motor channel switch table 10②);

②、When using PD2-N (Dual Channel): the up turnplate drives motor with red indicator and the low turnplate drives the motor with green indicator by default.



### 9、Hand Control Unit Controller Buttons Description

Button	Function	Instructions
ON/OFF CHANNEL	Turn ON/OFF	Press for two seconds to turn ON / OFF controller
	Changing Channel	Short press once
NERVE (FOCUS NERVE)	Automatic Calibrating	Press 3 seconds till the lens is rotating then let go
	Motor forward and reverse switching	Continuous press 5 times
ZOOM NERVE	Manually set the (AB point)	Set  Short press to set A point, turning the handset to adjust stroke, short press to set B point
		Cancel  Short press to cancel previous setting
5V	5V charging input	
ANTENNA	Antenna connector	

### 10、Motor instructions

#### ①、Motor Button Functions

Button	Function Description
ON/OFF SPEED	Power ON: Press for two seconds until the indicator light turns on
	Power OFF: Press for two seconds until the indicator light turns off
	Speed mode and channel switching (see table below for reference)
ANTENNA	Antenna connector
REMOTE 12~18V	Signal and power supply common interface, supports power supplies with 12 ~ 18V voltage range

#### ②、Motor channel switching table

Fast and Short Press Motor SPEED Button	Motor Channel	Indicator Light Color	Channel in App
	R1	RED	FOCUS
	G2	GREEN	ZOOM
	B3	BLUE	IRIS
	Y4	Yellow	Channel 4
	C5	Cyan	Channel 5
	P6	Purple	Channel 6

#### ③、Motor Speed Mode Switching

Fast short press motor SPEED key	Motor Speed	LED Blinking Frequency
	Fast (High torque)	Fast Flashing
	Medium (moderate torque)	Slow Flashing
	Slow (less torque)	Steady