

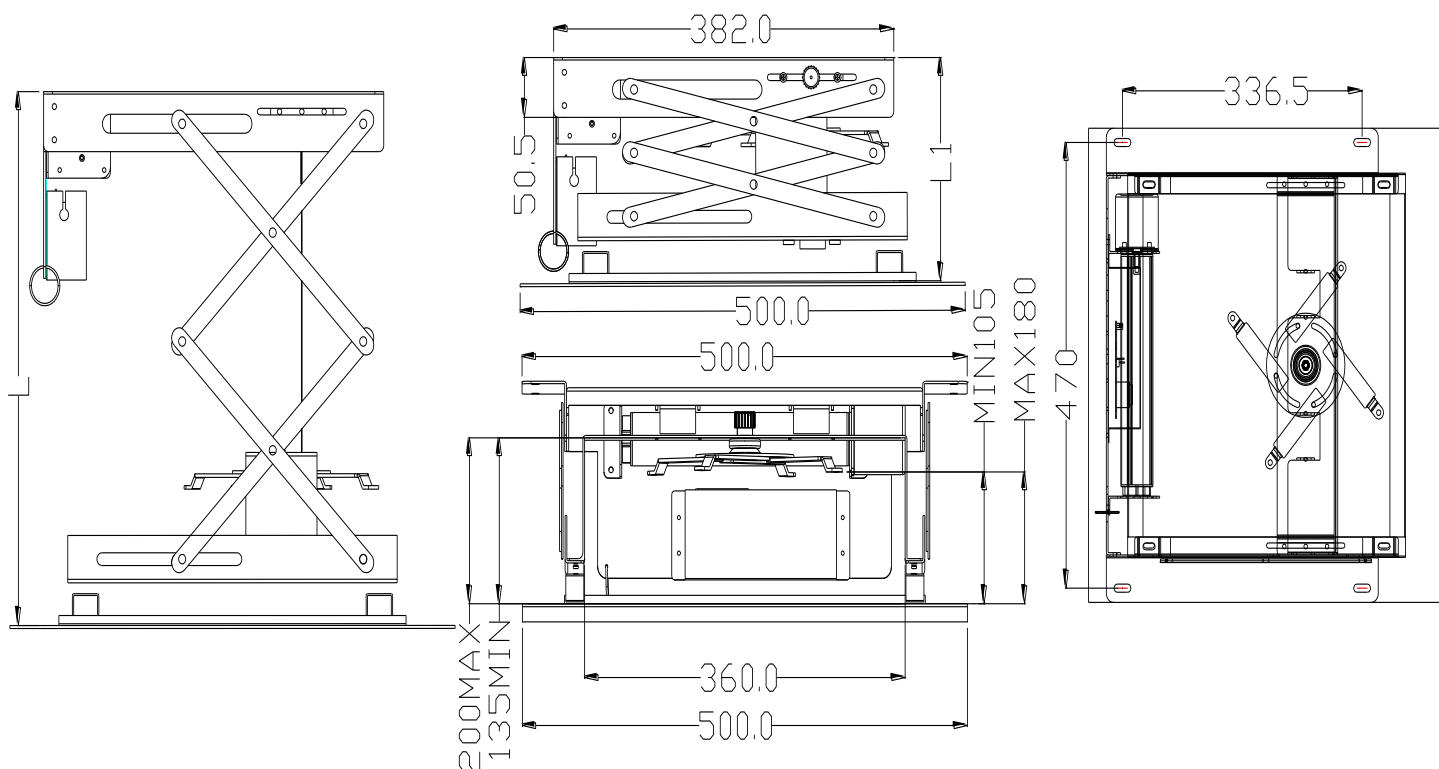
# User's Manual for CPL Motorized Projector Lift



## Product Description:

Motorized projector lift (Below simply “lift” for short) adopt double scissor type structure and the theory of double straps lifting. Featured with elegant appearance design, safety and dependable function, accurate positioning, low noise, easy-installation, etc. Applicable widely to projection, lighting & audio projects.

1、Product model/Specification/Size Unit: mm



Specifications	L640	L860
Size of lift Fold up (mm)	500x500x180 (L1)	500x500x200 (L1)
Size of lift Extended (mm)	500x500x810 (L) Max.	500x500x1050 (L) Max.
Minimum dist for ceiling and false ceiling (mm)	180mm	200mm
Bottom Plate size (mm)	500x500	500x500
Loading Capacity	12Kg (Max. )	
Rated voltage	220-240V	
Max Power consumption	60W	
Tilt angle	±20°	
Roll angle	±20°	
Motor	Synchronous Motors	
Control Methods	RF/Central Control/12V Trigger/panel	
Limit Adjustment	By Limit Switch	
Color	White	
Packing Dimension (mm)	572x585x244.5mm	
Net Weight (Kgs)	14	14.3
Gross Weight (Kgs)	15.5	15.8
Max. Running Distance (mm)	640mm	860mm
Open/Retract Running time (s)	22s	33s



### Installation Environment Required:

The lift shall work indoor where there is no any corrosive or combustibile substance; and should not approach the steam pipe, hot air pipe, or other central heating equipment.

1. Voltage: 110-120 V or 220-240V, Power: 60W
2. Max Tilt angle  $\leq 1^\circ$   
Max Roll angle  $\leq 3^\circ$



### Installation:

- 1, The distance between ceiling and false ceiling must bigger than the height of fold up size(L1) of the lift..
- 2, Suggest open dimension on false ceiling for the lift is :460mmX460mm
- 3, Suggest open a 400mmX400mm maintenance window on the false ceiling, 100mm~200mm away from the back side of the lift.
- 4, Drill four holes correctly on the ceiling for the installation plate, considering the direction of the installed projector, then mount the installation plate of the lift on the ceiling firmly with four  $\varnothing 8$ mm explosion screws through the four  $\varnothing 10$ mm screw holes.
- 5, The explosion screws must installed in concrete or masonry or more strong ceiling. The explosion screws must drill deeply into the ceiling to keep adequate bearing capability.



### Notice:

1. The explosion screws must fixed on the ceiling firmly.
2. While the lift working, people must not stand below the lift, or locate anything at the level where it can reach.
3. Make sure the gravity of the projector in the center of the lift, or the center of the gravity will shift or loss balance; And the lift can't work overloaded.
4. Please do not put your hands or anything to the cross-scissor parts while the lift working to avoid injury.;





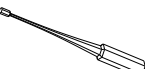

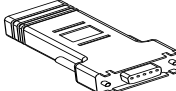


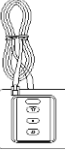



### Trouble shootings:

Please let technicians check below items, if still can't solve the problems, please contact the resellers.

1. Please check if the connection of the power cord is correct.
2. Please check if the strip is entangled or loose.
3. Please check if the E-Stop button is pressed down.
4. Please check if the limit switch is loose or shift .


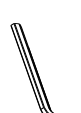
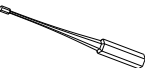






### Accessories for CPL Standard Model:

<b>A</b>  <b>M4*8(x4)</b>	<b>B</b>  <b>S=3mm(x1)</b>	<b>C</b>  <b>S=5mm (X1)</b>	<b>D</b>  <b>M8X60 (x4)</b>	<b>E</b>  <b>Adapter(x1)</b>	<b>F</b>  <b>Screw rod X4 L=100mm</b>
<b>G</b>  <b>Central control Cable</b>	<b>H</b>  <b>Control Panel X1</b>	<b>I</b>  <b>Panel cable X1</b>	<b>J</b>  <b>12V Trigger cable elw 3.5mm Jack plug X1</b>	<b>K</b>  <b>RF Transmitter X1</b>	



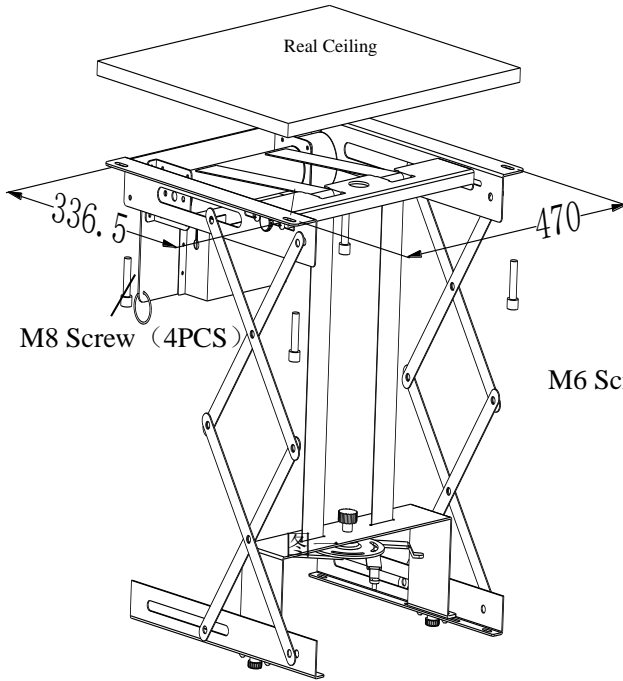
### Accessories for CPL Economic Model:

<b>A</b>  <b>M4*8(x4)</b>	<b>B</b>  <b>S=3mm(x1)</b>	<b>C</b>  <b>S=5mm (X1)</b>	<b>D</b>  <b>M8X60 (x4)</b>	<b>E</b>  <b>Screw rod (X4) L=100mm</b>	<b>F</b>  <b>Panel cable (X1)</b>	<b>G</b> <b>A</b>  <b>RF Transmitter (X1)</b>
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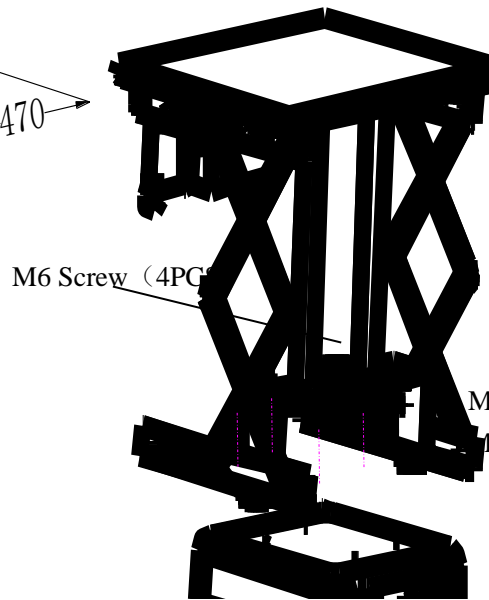


## Guidance for Installation:

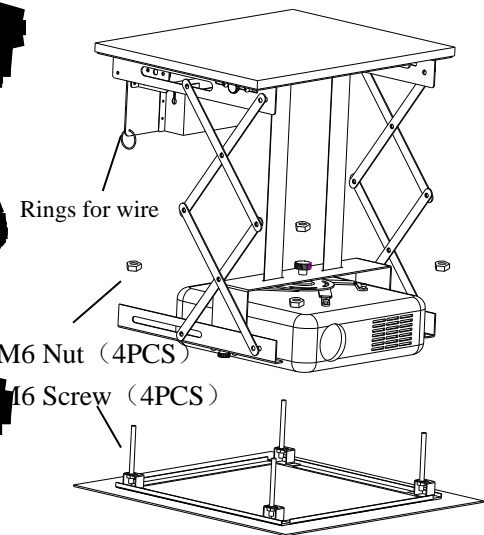
Steps: ① Take off the decorative panel (show as Pic.1) ② Fixed the installation plate to the real ceiling by screws. (The distance between the screws are 470x337MM, show as Pic.1) ③ Install the projector to the lift (Show as Pic.2) ④ Install the decorative panel (Show as Pic.3) ⑤ Fix the wires of projector through the ring. (Show as Pic.3)



Pic. 1



Pic. 2



Pic.3



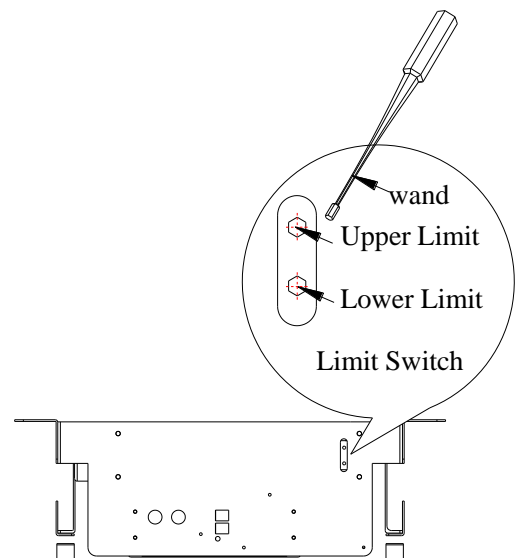
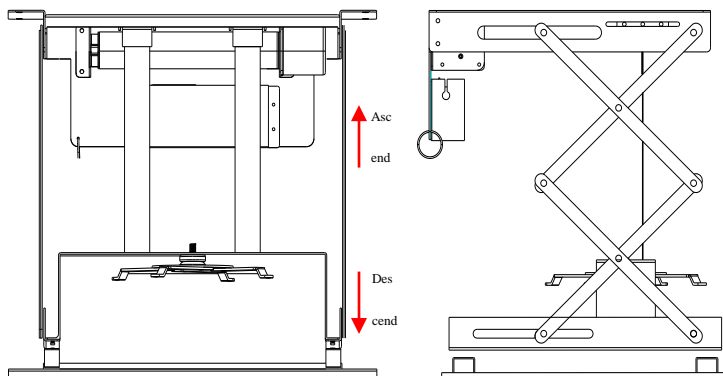
## Manual for product.

### 1、 The adjustment of upper and lower limit:

- (1) Upper limit switch: Adjust the limit switch by wand, anti-clockwise, the lift will descend; clockwise, the lift will ascend.
- (2) Lower limit switch: Adjust the limit switch by wand, anti-clockwise, the lift will ascend; clockwise, the lift will descend.

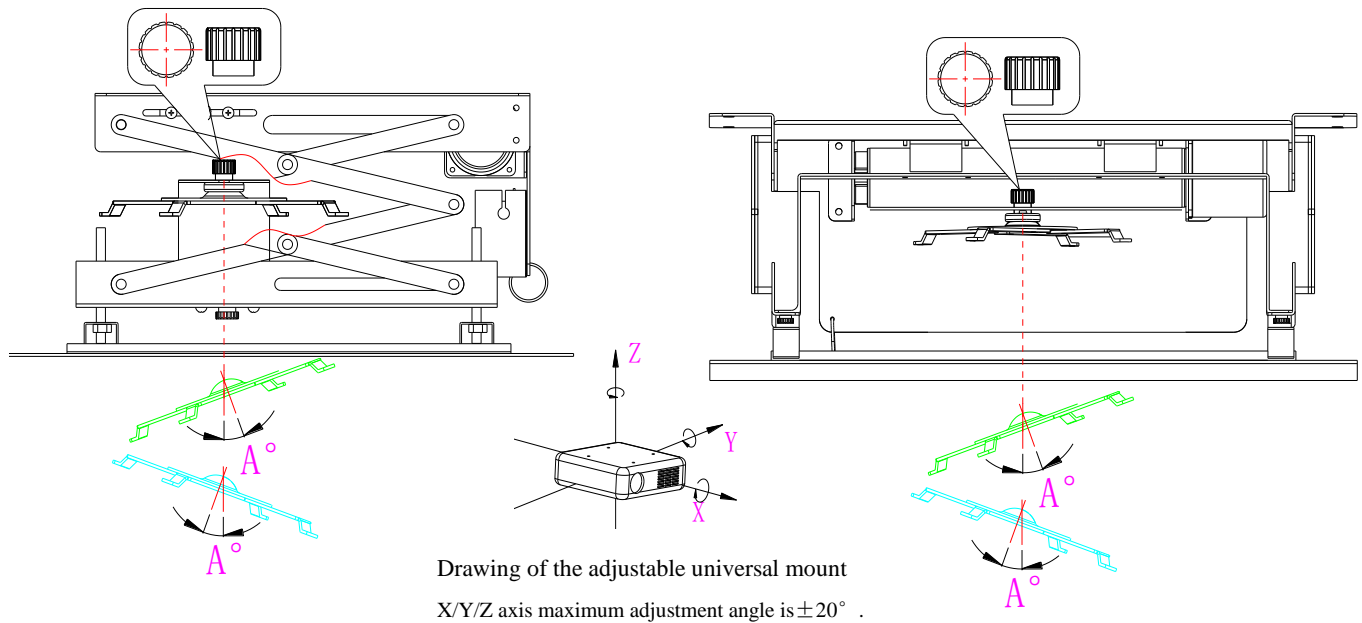
Note : (1) The distance for half-circle fine-tuning adjustment is about 10MM (Formula: Loop\*20MM)

- (2) Speed of the Motor: About 21mm/s



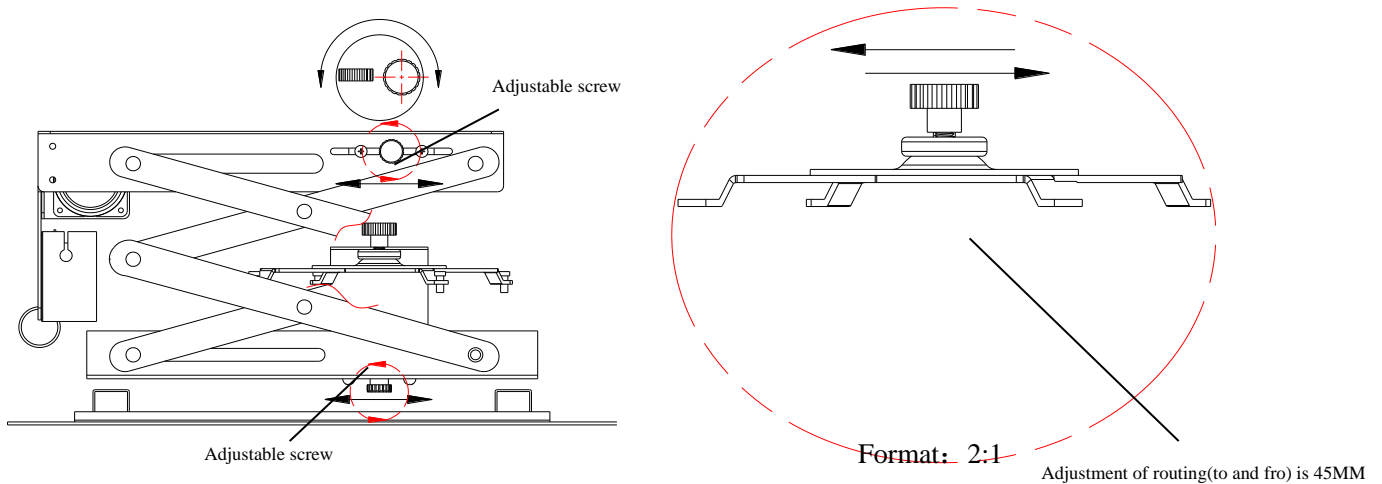
## 2、 The Angle Adjustment of the Universal Mount.

- (1) Adjustment of the front and back angle: Loose the screws will be OK.  
X/Y/Z axis maximum adjustment angle is  $20^\circ$  . (Note: A represent the angle )

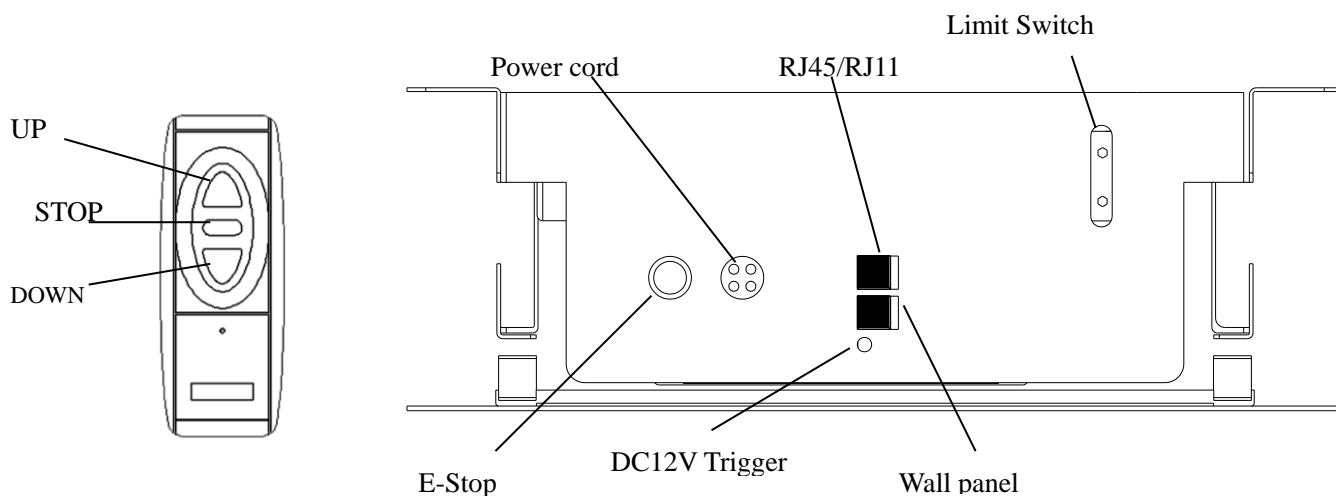


## 3、 Adjust the Position of the Projector.

- (1) Loose the adjustable screws to adjust the position of the projector. Adjust the screw to the position you need, and then lock the screw will be ok.(Adjustable routing (to and fro) max. is 45MM)
- (2) Purpose: Through adjust the position fine-tuning of the universal mount to meet the best projection position, and adjust the gravity of the projector.



## 4、 The manual of remote control and instructions for control system



Central Control Encode Table.

No.	Name	Encoding
1	Serial port setup	2400,n,8,1
2	Up	0xFF 0xAA 0xEE 0xEE 0xDD
3	Stop	0xFF 0xAA 0xEE 0xEE 0xCC
4	Down	0xFF 0xAA 0xEE 0xEE 0xEE

### Serial port setup



Open COM Tools, Click "Serial port setup"  
"ComA\_Port", choose relevant Com Port  
ComA-Setting, Input "2400, n, 8, 1", click "OK"

### UP



Input "0xFF 0xAA 0xEE 0xEE 0xDD" on send textbox,  
then click "Send [PortA]"

### Stop



Input "0xFF 0xAA 0xEE 0xEE 0xCC" on  
send textbox, then click "Send [PortA]"

### Down



Input "0xFF 0xAA 0xEE 0xEE 0xEE" on send textbox,  
then click "Send [PortA]"