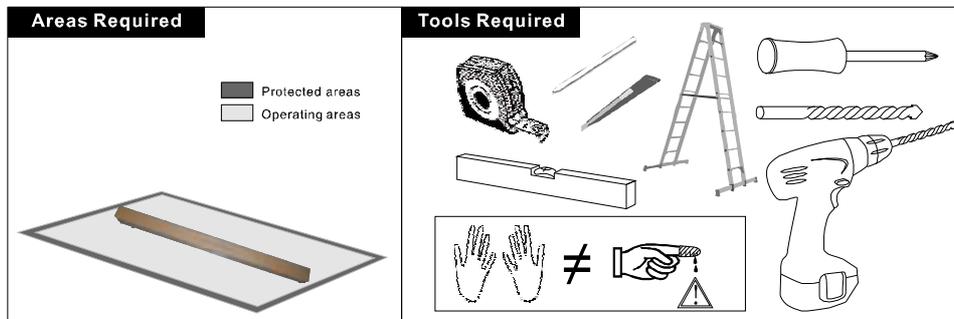




Tab In Ceiling

Installation Manual



WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus in or near rain or moisture

1. Read and follow all instructions and warnings in this manual. Keep for future reference.
2. Do not use this apparatus near water.
3. Clean only with a dry cloth
4. Do not block any ventilation openings. Install according to manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
6. Do not override the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades-one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where it exits from the apparatus.
8. Only use attachments/accessories specified by the manufacturer.
9. Unplug this apparatus during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. Do not expose this equipment to dripping or splashing, ensure that no objects filled with liquids, such as vases, are placed on the equipment.
12. To completely disconnect this equipment from the AC mains, disconnect the power supply cord plug from the AC receptacle.
13. To avoid overheating the motor, do not continually retract and lower the screen for over 3 minutes or more than 6 times.

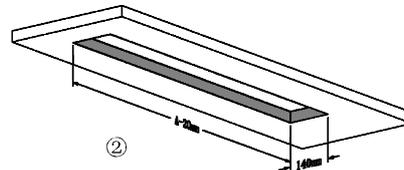
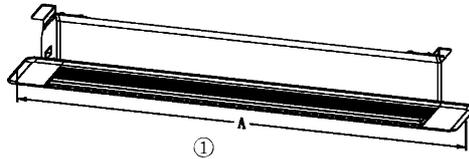
Troubleshooting

Screen does not react to any control	<ul style="list-style-type: none"> ● Power cable to the film screen is incorrectly connected or plugged into an outlet that does not have power. ● Check connections and verify power on the outlet
Screen goes lower than desired or does Not retract far enough	<ul style="list-style-type: none"> ● Adjust the up and down limites as described
IR/RF control does not work	<ul style="list-style-type: none"> ● Check the batteries in the IR/RF remote that you are using ● Ensure that you are within range of the remote being used. The factory remote will work at a distance of up to 15m most situations

1. Do not clean the Screen case with water. Use a dry cloth and keep clear of dust and dirt on regular occasions
2. To clean the screen material, use warm soapy water only-never use chemicals or abrasives as this will damage the surface of the material which in turn will affect the viewing quality of your screen.

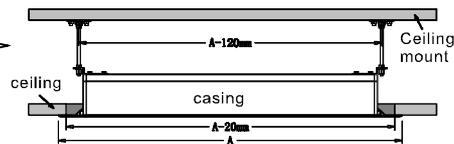
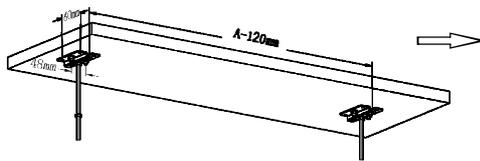
Preparing Installation

1. Measure the length of the trim panel (A).



Open the ceiling with the length of (A) -20mm and the width of 140mm.

2. The distance between two ceiling brackets would be (A)-120mm.

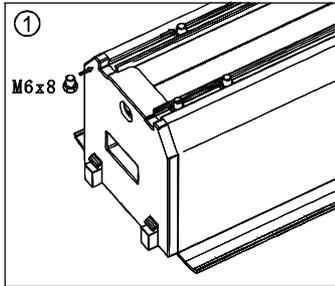


There is 48mm between right and left screw holes on the ceiling brackets and 60mm between front and back holes.

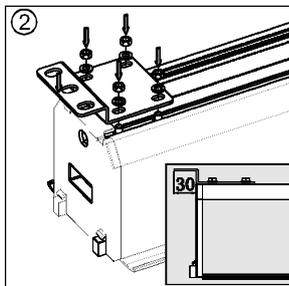


Expansion Screws/Anchors are needed depending on the ceiling material.
Always ensure that the ceiling can support the weight of the screen.

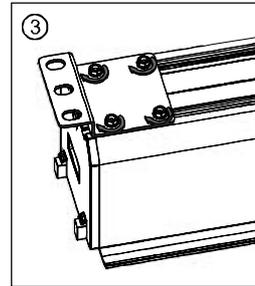
Assemble the Components



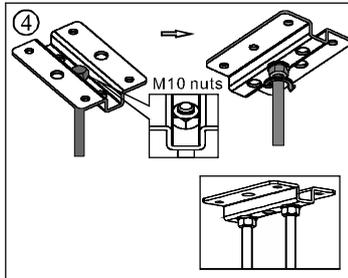
Slide four of M6*8 screws into the rail on the top of screen, upside down.



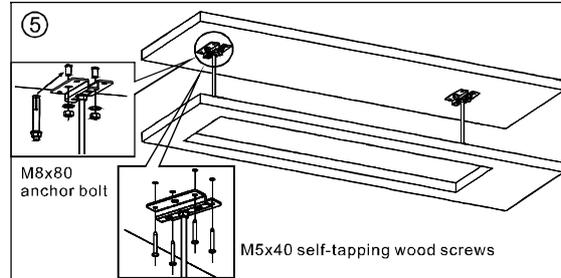
Install the screen brackets; leave 30mm sticking out the edge of the screen.



Tie the brackets with the nuts to make sure the screen to vibrate or slide during the installation.

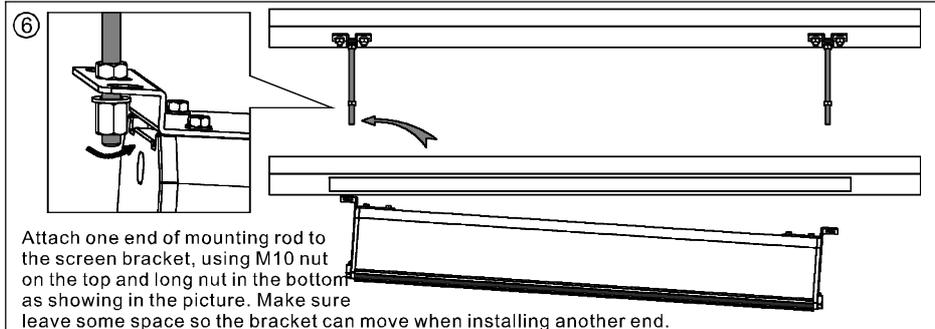


Fix the threaded mounting rods to ceiling brackets by using M10 nuts on the top and bottom of the brackets.

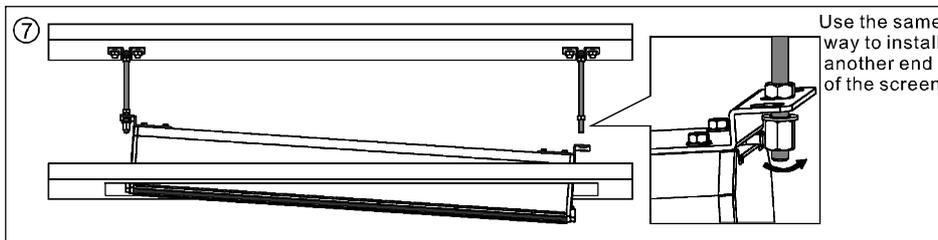


Use M8x80 anchor bolt for the concrete ceiling or M5x40 self-tapping wood screws for the wood ceiling to attach the ceiling brackets to the ceiling.

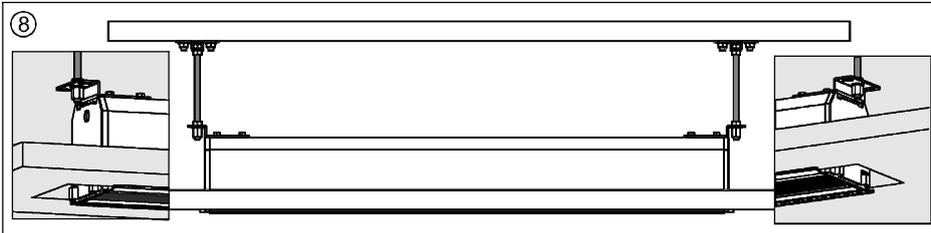
Hanging Installation



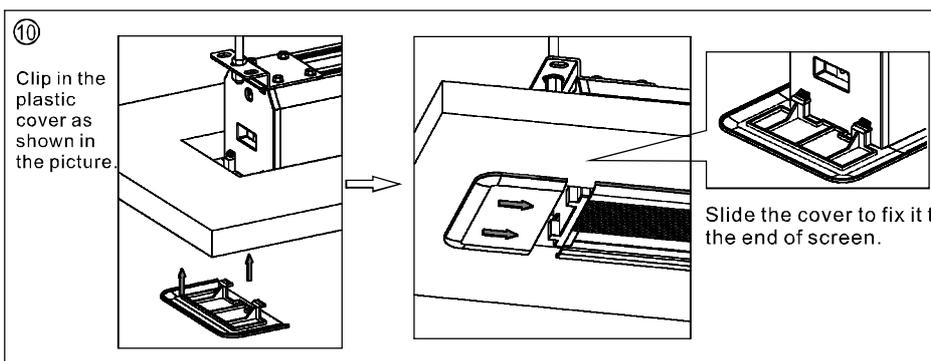
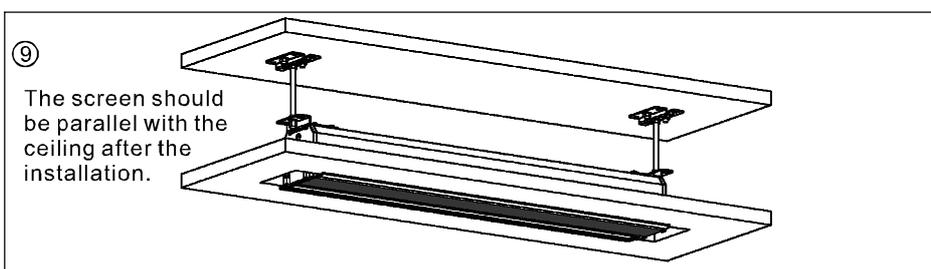
Attach one end of mounting rod to the screen bracket, using M10 nut on the top and long nut in the bottom as showing in the picture. Make sure leave some space so the bracket can move when installing another end.



Use the same way to install another end of the screen.

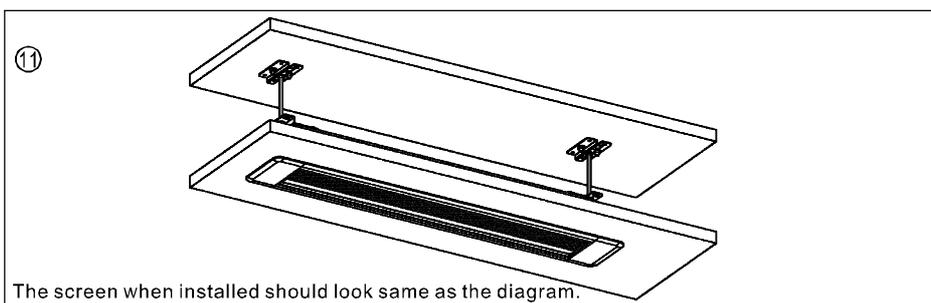


Adjust the position of the screen after tied all the nuts. Make sure leave as little gap as possible.



Clip in the plastic cover as shown in the picture.

Slide the cover to fix it to the end of screen.



The screen when installed should look same as the diagram.

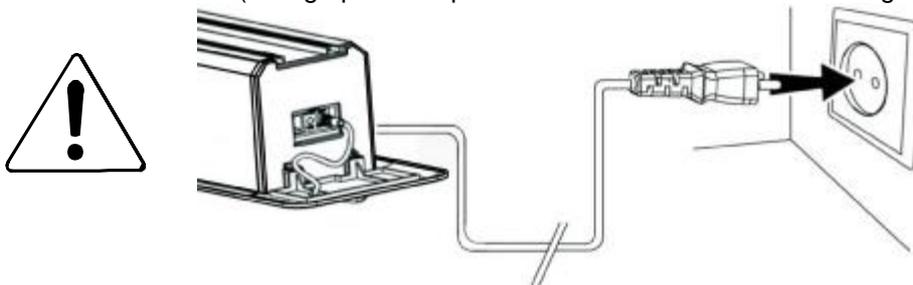


Please make sure connections are compatible and safe.

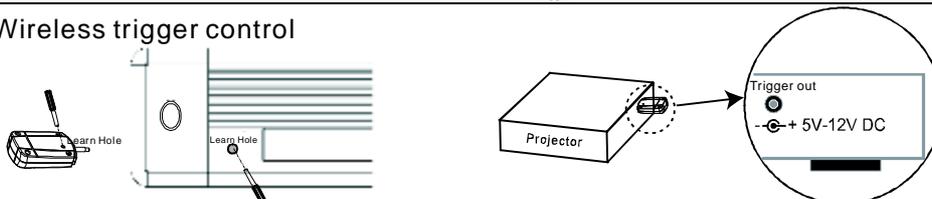
Control Wiring Diagram



Power Connections (using specified power interface under rated voltage)



Wireless trigger control



The wireless trigger has been set up at factory, should work right away, however in case it cannot work at first time, you will need to use the learn function. Please refer to the following method to finish learn function set up.
Please press the hole at the bottom of the left-end-cap part for 3 seconds, indicated by a light flash, then press the learn hole of the wireless trigger the receiver led light will become normally on from flash situation. Now we finish the learn code function.

Plug the trigger into trigger port on projector straightly to synchronize the screen up and down with projector power cycle.
When projector power open, the screen goes up, projector power close, the screen goes down automatically.

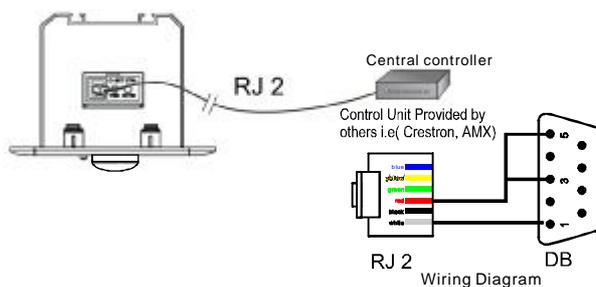
RS232 serial port control

RS232 serial port setting:

Baud rate	2400
Data bit	8
Parity bit	N
Stop bit	1

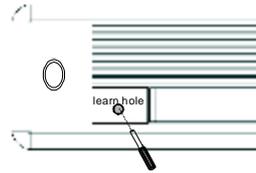
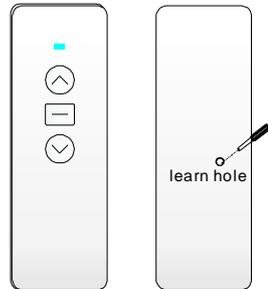
Default HEX code

FF 10 11 00 DD	Up
FF 10 11 00 EE	Down
FF 10 11 00 CC	Stop



After finish the serial port setting, connect the RJ2 and RS232 according the diagram. Fill in the HEX code into the serial control software and press the learn button for about 1 second, LED will start flashing. Release the learn button and send the code from serial control software, LED will stop flashing. Once the learning procedure is done, the screen will be controlled by serial port.

RF remote control



RF remote control frequency is 433MHz which has been set up in factory, should work right away, however in case it cannot work at first time, you will need to use the learn function. Please refer to the following method to finish learn function set up. Press the hole at the bottom of the left-end-cap part for 3 seconds, indicated by a light flash, then press the learn hole of the remote control, the receiver led light will become normally on from flash situation.

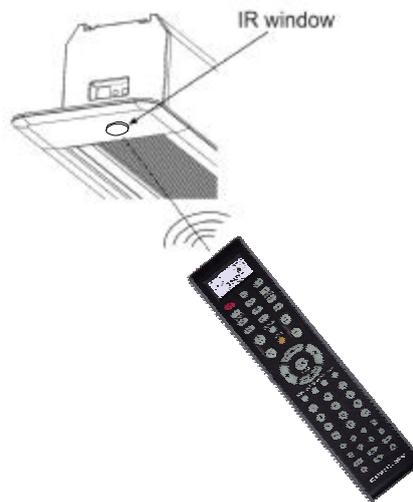
How to pair remote control and wireless trigger.

You need to pair new replaced RF remote control and wireless trigger, the operating steps is the same with above. If it is failure, please press the learn code hole at the bottom of the left-end-cap part for 5 seconds, the led light will flash quickly, which will clear all the codes, just reply the above steps to finish learn code function.)

IR smart remote control

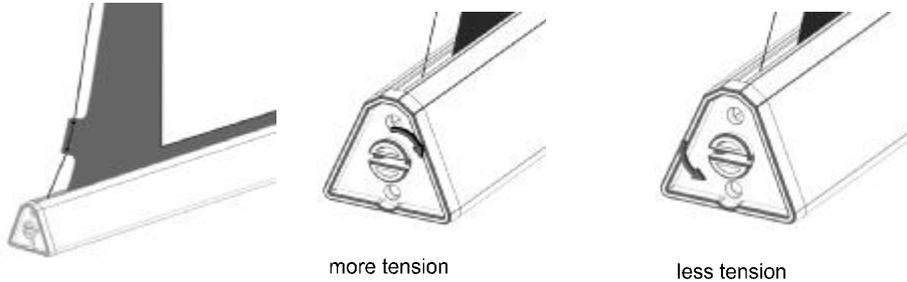


Smart Remote Control



The IR remote control has been set up at factory, should work right away, please refer to IR remote control user manual to understand more applications.

String tension adjustment

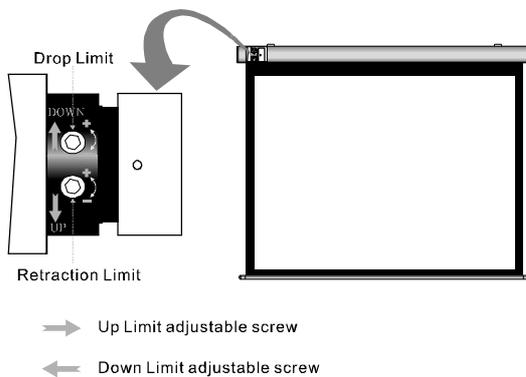


Caution

- Keep the controller away from high temperature and humidity.
- Please change the battery when the signal is low.
- Please remove the battery from the remote control when the controller is not being used for a long time.
- Please use the same type of battery as originally supplied.
- If the receiver is to be out of use for a long time, please turn the electricity off or unplug it.

Adjusting the screen length limits

We only recommend that experienced AV installers undertake these procedures:



1. Set the remote control at "up" position.
2. While retract the screen, if the screen could not be fully retracted, use the accessory of 6 angles screw adjusting the up limit screw: turning the screw around according to the direction "+" until the low bar at the desire position.
3. if the screen exceed the desire position of the top, use the accessory of 6 angles screw adjusting the up limit screw, turning the screw around according to the direction "-", then lower the screen and retract it, repeat the action, until the screen could stop at the desire position.

- 1.Set the remote control at "down" position.
- 2.While lower the screen, if the screen could not be fully down, use the accessory of 6 angles screw adjusting the down limit screw: turning the screw around according to the direction "+" until the screen is at the desire position.
- 3.If you want shorten the top black border, use the accessory of 6 angles screw adjusting the down limit screw: turning the screw around according to the direction "-" ,then retract the screen and lower it,repeat the action until the screen is at the desire position.

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