Large Motorized Screen User Manual

General Notes

1. Thank you for choosing our projection screen for your home or business. Please read the user manual carefully before proceeding. Follow the provided instructions to complete installation quickly and safely.

2. Please ensure there are no other objects such as power switches, outlets, furniture, and windows occupying the space designated to hang the screen.

3. Make sure that the proper mounting anchors are used and the weight of the screen is supported. If you are unsure whether your mounting method can support your screen, please consult a home improvement specialist.

4. When not in use, retract the screen to protect the projection surface from dirt, dust, grime, or any other impurities.

5. When cleaning, use a soft damp cloth with warm water or diluted liquid detergent to remove any marks on the casing or on the screen surface.

6. Never attempt to use any solutions containing corrosive chemicals or abrasive cleaners on the screen surface.

7. To avoid damaging the screen, do not fold the screen or touch the screen directly with your hands, tools, or any other abrasive/sharp object.

8. Do not run the screen continuously for over 5 minutes as the motor has an anti-overheating function and will shut down. If this happens, let the motor cool down for 5-20 minutes and continue use.

9. Spare parts should be stored out of reach of small children in accordance with household safety.

10. Curvature will appear in the edge of fabric when fabric is extended completely. This is a common phenomenon and the curvature will gradually disappear after you hang the screen for about ten minutes.

Safety Guide

1. Do not stand underneath the screen when mounting or hanging. Expansive bolts should be firmly attached and fixed into the wall or ceiling.

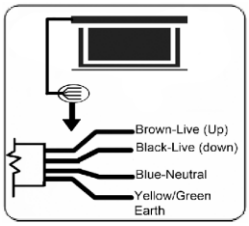
2. Be sure the ground wire is connected with the power cable to avoid electric shock.

3. Have 2 people present when installing the screen.

Product Electrical Specifications

VOLTAGE
100V-120V, 60Hz
220V-240V, 50Hz

POWER
130W (max)



For service inquiries, contact:
(905) 581-7752 or
sales@elunevision.com.

Packing List

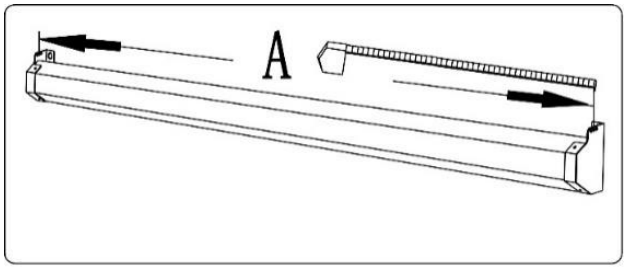
- 1 screen
- 1 RF remote control
- 1 wall control box
- 1 adjustment tool
- 1 instruction manual
- 1 wired trigger cable
- 1 manual switch
- 1 manual switch cable

Installation Notes

- An electric drill with drill and driver bits as well as a level are necessary for installation.
- Install the screen away from direct sunlight to keep screen material exposure to UV at a minimum.
- Install in a room without excess humidity.
- Only install the screen if it is in an electrically stable environment.
- Keep the screen away from devices (heaters, etc.) that cause large changes in temperature and humidity.
- Handle screen with care, avoid vibrations and drops.

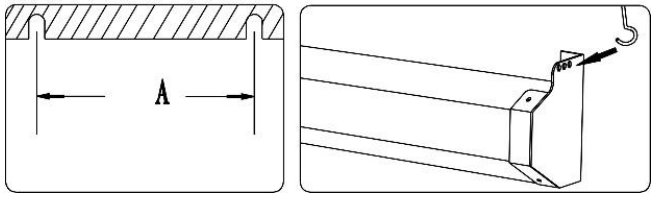
Installation Method

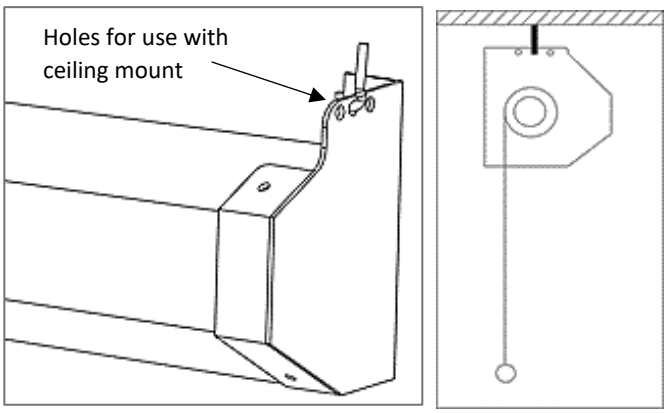
Install the screen in a location where the audience can see the whole screen when it is fully extended. Refer to your projector specifications and install the screen in accordance to the throw ratio of the projector. The screen can be wall mounted or hung from a ceiling and users can choose the most suitable method according to their needs. Ensure the right equipment is used for whichever chosen method. If you are unsure whether the hardware can support the weight of the screen, contact a home improvement specialist.



MOUNTING TO CEILING

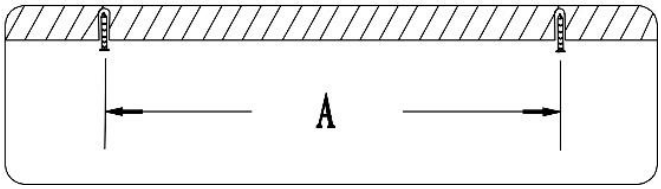
Measure the distance between the mounting bracket (A) and drill holes for the screw hooks with the same distance apart. Ensure the holes are in line with each other and parallel with the wall. Screw the appropriate screw hooks into the ceiling holes and hang the screen by the holes on the side of the mounting bracket shown below. Check that the screen is even with a level.

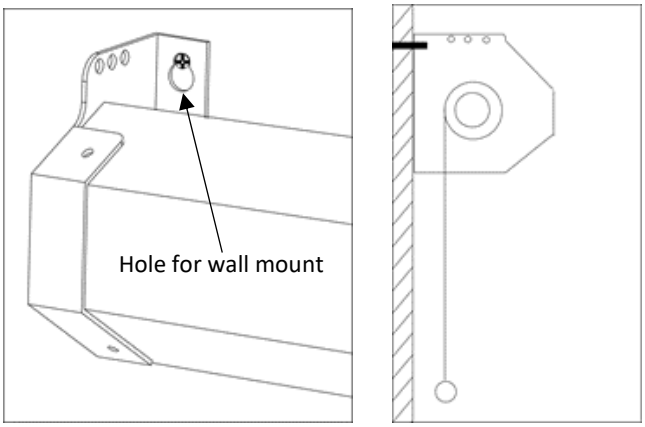




MOUNTING TO WALL

Measure the distance from the holes in the wall mounting brackets and mark out the same distance on the wall. Drill holes for the screws, making sure the holes are level. Screw an appropriate screw into each hole and hang the screen from the screws by the holes on the back of the brackets shown below. Check that the screen is straight with a level.

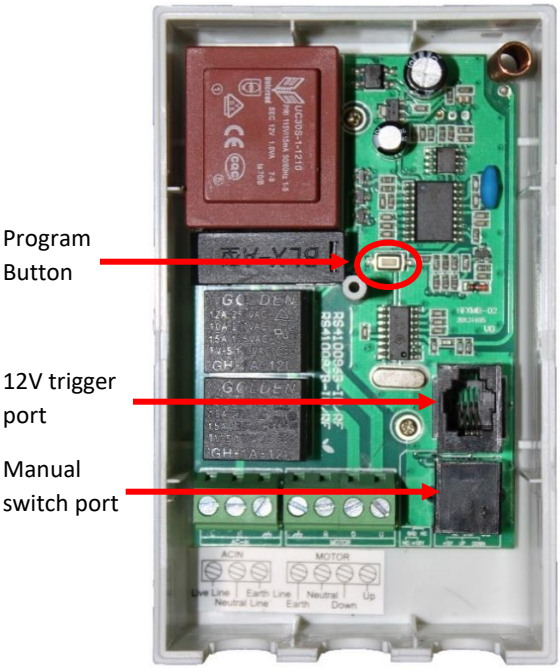




Remote Pairing

Remove the back panel of the control box. This is most easily done by applying pressure on the side notches and lifting the panel.

When the panel is removed, a circuit board will be revealed. There will be a program button (shown below) which will be used to reprogram the remote.



WIRELESS REMOTE PAIRING

Plug in the control box and press the program button. The LED on the front of the control box will flash slowly and the up button should be pressed on the remote within 10 seconds. The LED will stop flashing and the remote pairing is complete.

DELETING ALL CODES ON REMOTE

Hold the program button until the LED on the front of the control box is flashing quickly. Press the program button again within 10 seconds and the LED will stop flashing which indicates that all the codes have been deleted.

SWITCHING UP AND DOWN BUTTONS

Press the program button once and the front LED will start flashing. Press the stop button on the remote within 10 seconds and the LED will stop flashing.

Manual Switch Installation

The manual switch cable is grey and contains 6 wires. The manual switch used has a low voltage and the wires in the cable can be spliced safely. This is not the case with the power control and the motor cables which should not be spliced. Although an IR receiver is present within the manual switch, the control box contains a more reliable receiver and the wireless control unit should be aimed towards the control box.

Remove the front outer part of the manual switch as shown. Plug in the manual switch cable and secure the switch to the desired location with the mounting holes or the adhesive on the back. Replace the front of the switch.

See the table below if wires need to be spliced.

Colour	Function
Blue	+5V
Yellow	RX
Green	Up
Red	Stop
Black	Down
White	GND

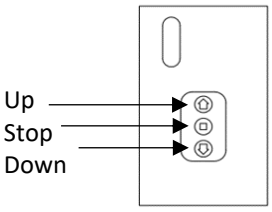
12V Trigger Installation

The 12V trigger cable is white and contains 4 wires. Connect one end of the cable to the port on the control box and the other to the projector. If your triggering device requires a different jack, you may splice the cable and reattach to your device following the table below.

Colour	Function
Black	Ground (GND)
Yellow	+12V

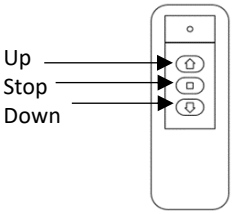
Screen Operation

WIRED CONTROL UNIT



The control box and the manual switch have the same controls. Plug the power cord into an electrical outlet and position the cord so that it will not be tripped over, pulled on, or contacted by hot surfaces. If an extension cord is needed then use a cord with the same current rating. A red light in the top left corner will turn on when the unit is powered.

WIRELESS CONTROL UNIT



The RF remote does not need to be pointed at the control box to raise or lower the screen. The IR remote does need to be pointed at the receiver located within the control box on the left side of the screen. Both remotes have a wall mount included which can be secured to a wall to keep the remote in a central location. Controls are the same for both remotes.

On the wired control box, if the up or down button is held for over 1 second, the screen will stop moving once the button is released. This is not the case for the wireless control unit and the stop button must be pressed to stop the screen at an intermediate location.

LOWERING THE PROJECTION SURFACE

Press the down button on the control unit and the projection surface will lower itself. When fully extended it will stop automatically.

RETRACTING THE PROJECTION SURFACE

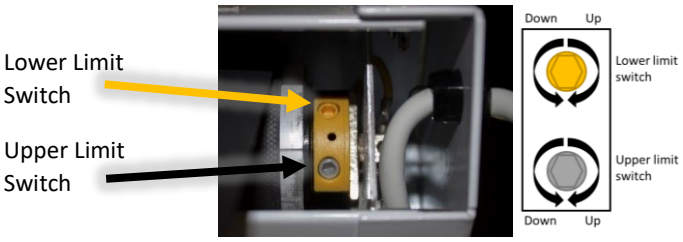
Press the up button on the control unit and the projection surface will retract into its case. When fully retracted it will stop automatically.

STOPPING THE PROJECTION SURFACE

Press the stop button on the control unit to stop manually at an intermediate position

Adjusting Limit Switches

Limit switches are located on the left side of the screen and inside the housing. The limit switches should only be adjusted with the provided adjustment tool.



The limits that are set determine the point where the screen will stop lowering or retracting. By initially adjusting the lower limit, the screen will stop at the perfect location automatically for maximum convenience.

UPPER LIMIT

The upper limit switch is grey and does not need to be adjusted as it is pre-set from the factory. If necessary, turning the grey upper limit switch clockwise will cause the upper limit to be closer to the housing and counter-clockwise will make the upper limit further away from the housing.

LOWER LIMIT

The lower limit switch is yellow and can be adjusted for increasing or decreasing the amount of upper black drop on your screen.

REDUCING BLACK DROP

To decrease the amount of black drop, first lower the screen and turn the yellow lower limit switch counter-clockwise twice. Retract then lower the screen again and where it stops is the new lower limit. Repeat until the desired height is reached.

The first time the lower limit is being adjusted, it may take a few cycles for the screen to move up. This is normal and be patient as to not damage the screen. If the screen pauses during adjustment, wait 5 minutes for the motor to cool and continue adjusting.

INCREASING BLACK DROP

To increase black drop, lower the screen so it is fully extended. Using the adjustment tool, turn the yellow limit switch clockwise and the screen will drop in small increments without needing to cycle the screen. Continue rotating until the screen is in the desired position.

Overheat Protection

The motor used in this screen has an overheat protection feature. When the motor runs for an extended period, the motor will stop working to prevent overheating which would cause damage to the motor. If this happens, wait 15-20 minutes for the motor to cool off and continue use.

Fuse Replacement

There is a fuse located on the screen's circuit board to prevent additional electrical damage to the unit in an electrically unstable environment. If the screen appears to have no power while the outlet provides power, the fuse may be blown. It is the user's responsibility provide an electrically stable environment for the unit, and to replace the fuse if required.

Remove the screws on the side of the housing with the power cable and take off the side covering. Carefully pull out the circuit board while ensuring no wires are damaged. Take off the black plastic cover labelled "FUSE" and see if the fuse is blown. If this is the case, remove the fuse from the plastic casing using tweezers or a lever to remove. Replace the fuse with the same model as the one removed. The model will be labelled on the fuse. Replace the fuse cover, put the circuit board back in its original location and replace the side cover.