

# Tab-Tensioned 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 optical 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 4 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 two people present when installing the screen.

## Packing List

- 2 wall mounting brackets
- 1 adjusting tool
- 1 hex Allen key
- 1 rechargeable RF remote with mounting bracket
- 1 power cord

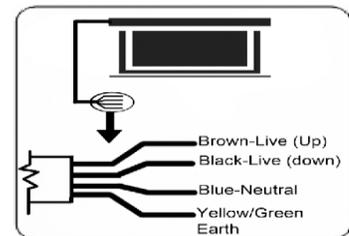
## Product Electrical Specifications

### VOLTAGE

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

### POWER

130W (max)

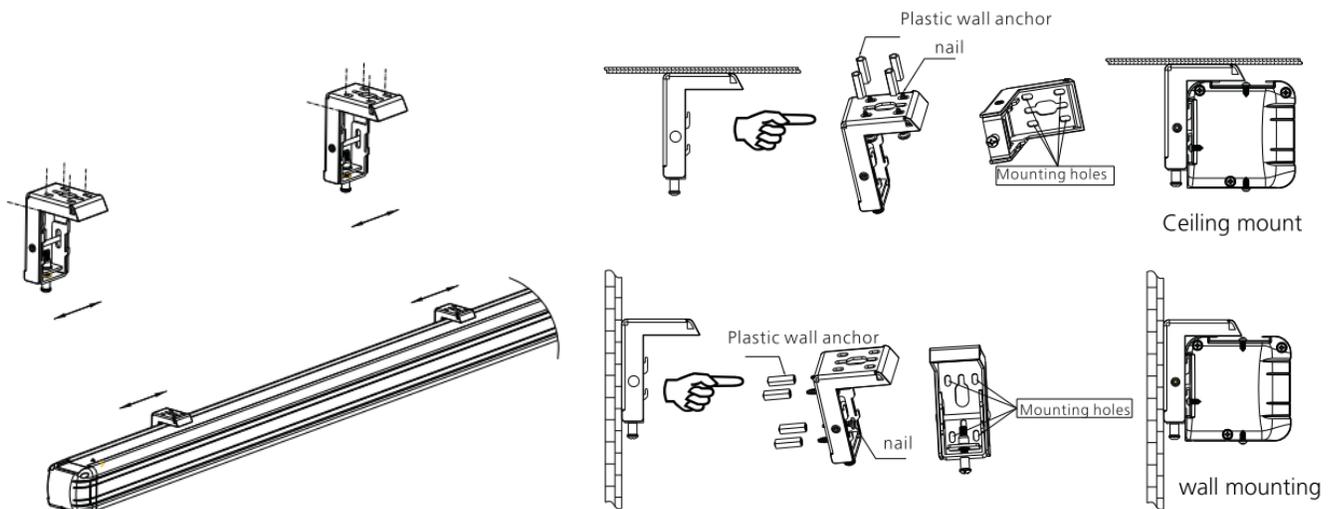


## Installation Method

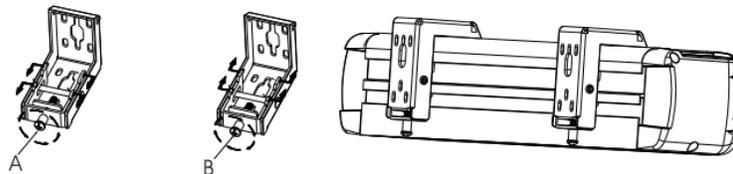
Install the screen in a location where the audience can see the whole screen when it is fully extended. The screen can be wall or ceiling mounted and users can choose the most suitable method according to their needs. Refer to your projector specifications and install the screen in accordance to the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

### WALL AND CEILING MOUNT

Remove the connection plate between the casing and the bottom bar. The brackets used to mount the screen can slide along the length of the housing so their distance apart can vary for user convenience. Secure the mounting brackets using appropriate screws in the desired location while ensuring they are level and that their distance apart does not exceed that of the screen. Hang the screen onto the mounting bracket with the rail mount on the housing.



Tighten the screw on the underside of the wall bracket to prevent the housing movement.



## Screen Operation

### LOWERING THE PROJECTION SURFACE

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

### RETRACTING THE PROJECTION SURFACE

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

### STOPPING THE PROJECTION SURFACE

Press the stop button on the remote to stop manually at an intermediate position.

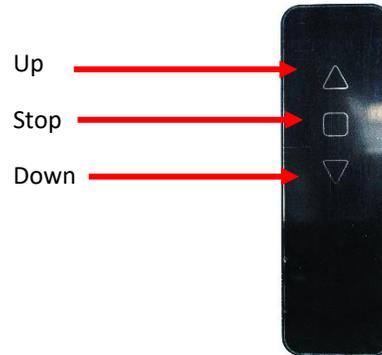
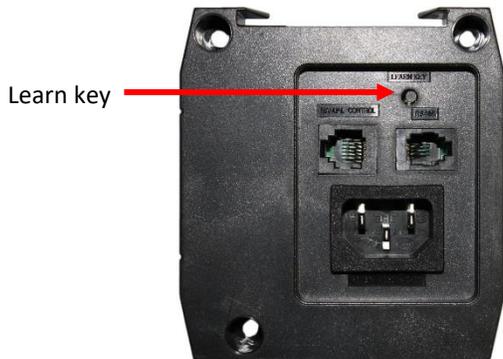
## Installation Notes

- 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 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.
- If the provided hardware is insufficient for the installation, the user is responsible for providing the appropriate hardware for a safe and secure installation.

## Screen Setup

### PAIRING THE RF REMOTE CONTROL

The RF remote control has been set up at the factory and should work right away. If this is not the case, you will need to use the learn function to program the remote. Press the learn key on the housing and hold until the screen goes up and down once (around 3-5 seconds). Press and hold the up button for 3-5 seconds on the remote so the screen goes up and down again. The remote is now paired to the screen.



### RESETTING THE REMOTE CONTROL

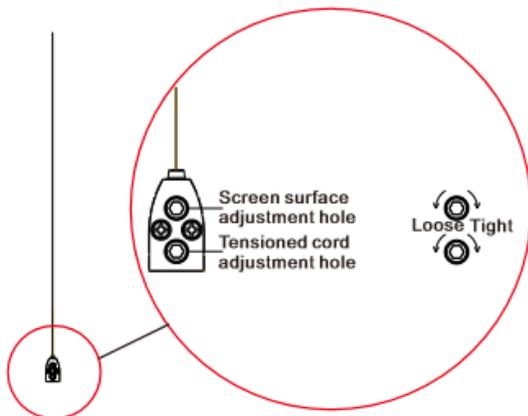
To reset the remote control, hold the learn key for 7 seconds to make the screen go up and down twice. Stop pressing the learn key when that is completed and press the learn key again to reset the remote. Follow the steps above to reconnect the remote.

### CHARGING THE REMOTE CONTROL

When the remote has sufficient battery, the light at the top will have a blue light when a button is being pressed. After any button has been pressed, a blinking green light indicates low battery. The remote can be charged with a micro-USB cable and a red LED will be on when the remote is charging. The light will turn off when the battery is full.

### ADJUSTING THE TENSION CORD

The tension cord keeps the screen flat and under a moderate amount of tension horizontally. If the projection screen has ripples, then the tension cord may need to be adjusted. Wait 10 minutes with the screen extended and if the ripples are still present, then follow the steps below to adjust the tension cord.



Only use the lower adjustment hole as the upper adjustment hole is adjusted correctly at the factory. The tension cord is loosened when turned counter clockwise and tightened when turned clockwise. Slowly tighten the tension cord with the adjustment tool. If the ripples worsen, loosen the tension cord. A moderate amount of tension is ideal.

### FUSE REPLACEMENT

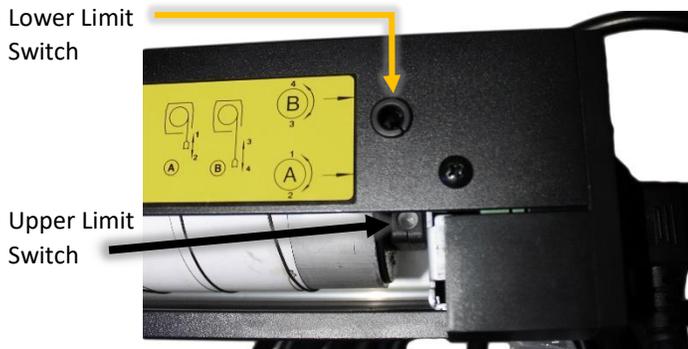
There is a fuse located on the screen's circuit board to prevent additional electrical damage to the unit in an electrically unstable environment. If the screen appears to have no power while the outlet provides power, the fuse may be blown. It is the user's responsibility provide an electrically stable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

## Adjusting Limit Switches

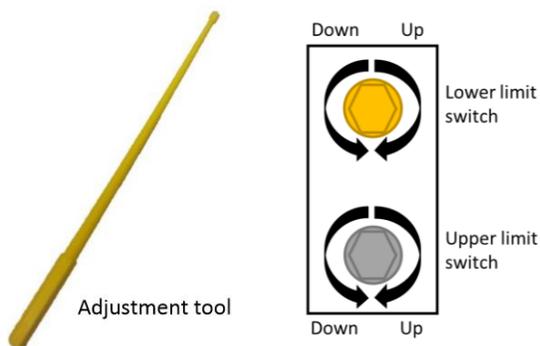
Limit switches are located on the right underside of the screen and inside the housing. The limit switches should only be adjusted with the provided adjustment tool. Follow the diagram on the yellow sticker for further clarification.



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 absolutely 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.

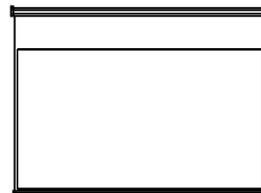


### LOWER LIMIT

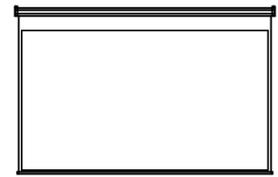
The lower limit switch is yellow and can be adjusted for increasing or decreasing the amount of upper black drop on your screen.

#### 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 the screen then lower the screen again and where it stops is the new lower limit. Repeat until the desired height is reached.



before lower limit adjustment

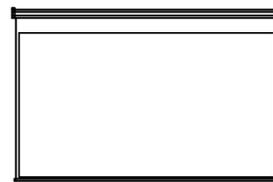


after lower limit adjustment

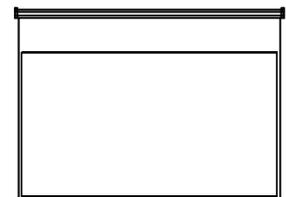
The first time the lower limit is being adjusted, it may take a few cycles for the screen to move up. This is normal and be patient as to not damage the screen. If the screen pauses during adjustment, wait 5 minutes for the motor to cool and continue adjusting.

#### 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.



before lower limit adjustment



after lower limit adjustment

## 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.

## Troubleshooting

Problem	Possible Cause	Solution
Remote control malfunction	Low battery	Charge the remote
Motor isn't running	Blown fuse	See fuse replacement
Screen not lowering/retracting fully	Limit switch	See adjusting limit switches
Ripples in screen	Tension cord	See adjusting the tension cord