



MCE Motorised Screen User Manual

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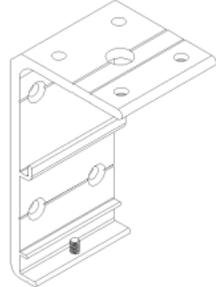
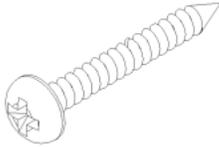
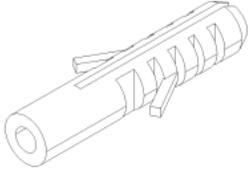
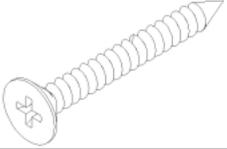
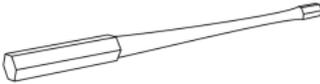
GENERAL NOTES

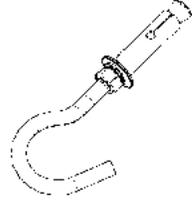
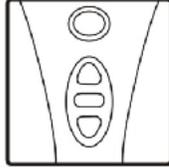
1. Thank you for choosing our projection screen for your home or business. Please read the user manual carefully before proceeding. Follow the provided instructions to complete installation quickly and safely.
2. Please ensure there are no other objects such as power switches, outlets, furniture, and 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.

CONTENTS INCLUDED IN BOX

Reference	Name	Pictures	Quantity
A1	L Shape Bracket		2
A2	Wall Mount		2
A3	Round Head Self Tapping Screws		4
A4	Screws Cover		12
A5	Countersunk head Self Tapping Screws		8
A6	Adjustment Tool		1

A7	Hook		2
A8	Wall Control		1
A9	RF Remote		1
A10	12V Wire Trigger Cable (RS232 Cable)		1

PREPARATION BEFORE INSTALLATION

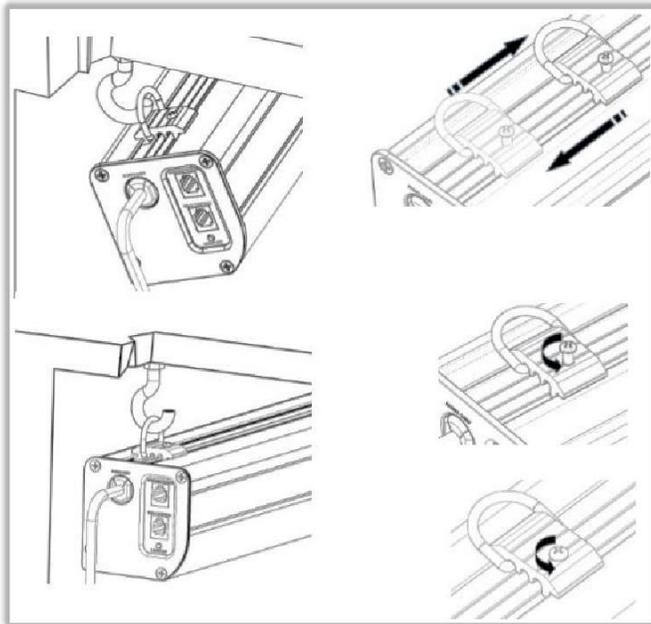
- An electric drill with drill and driver bits as well as a level are necessary for installation.
- Install the screen away from direct sunlight to keep screen material exposure to UV at a minimum.
- Install in a room without excess humidity.
- Only install the screen if it is in an electrically stable 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. The screen can be wall mounted or hung from a ceiling 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.

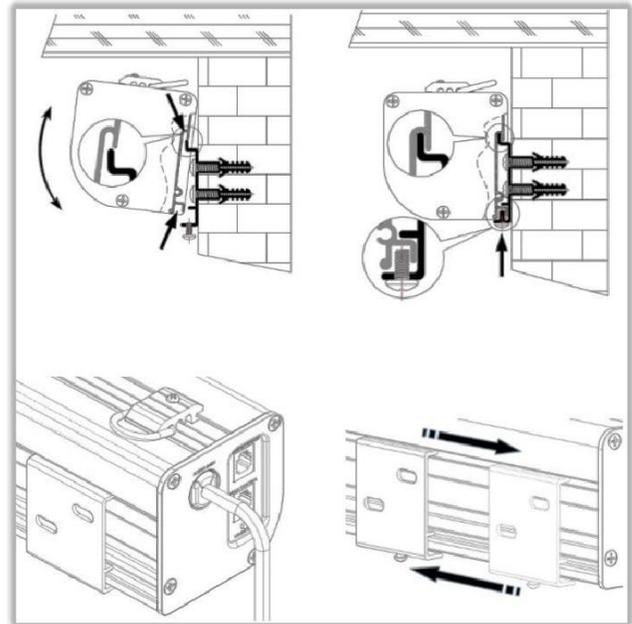
MOUNTING TO CEILING

Drill holes for the screw hooks while ensuring the holes are in line with the desired screen location and that the holes are no further apart than the distance between the D-rings. Screw the appropriate screw hooks into the holes and hang the screen by the D-rings. Remove the screen without moving the D-rings and secure the D-ring bracket with screws until it no longer moves.

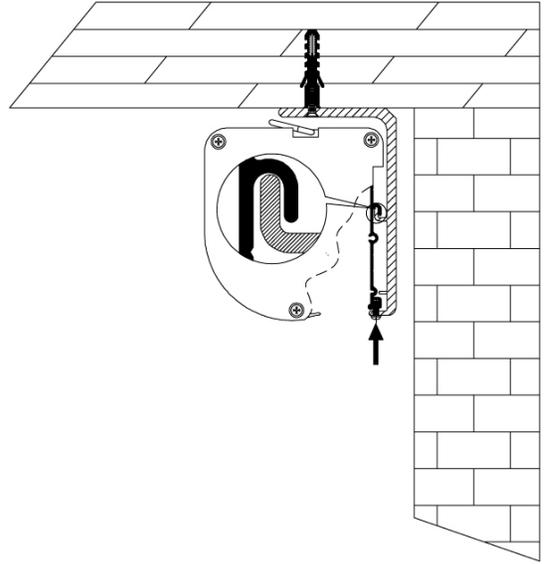
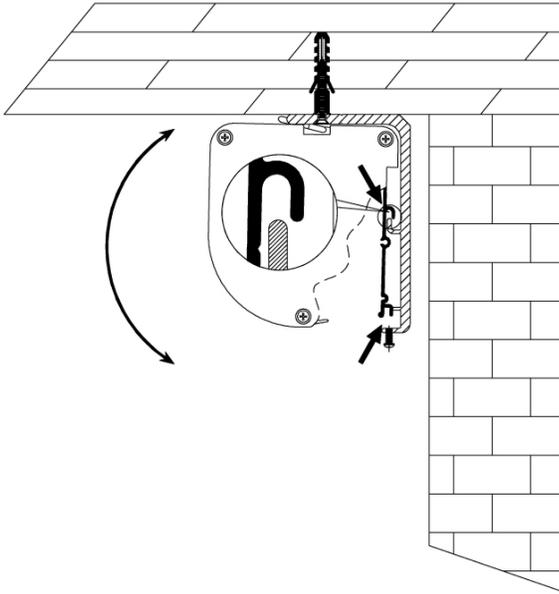


MOUNTING TO WALL

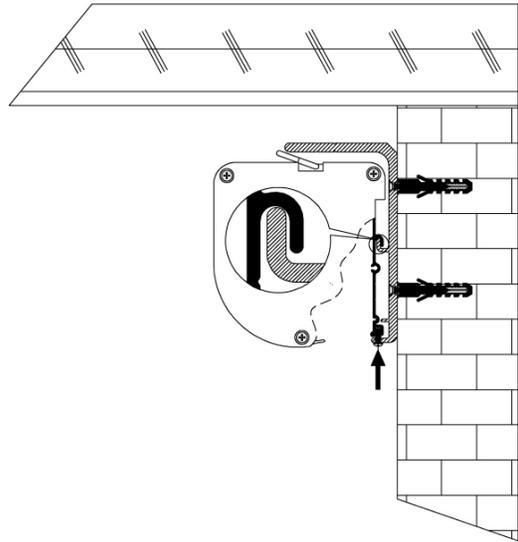
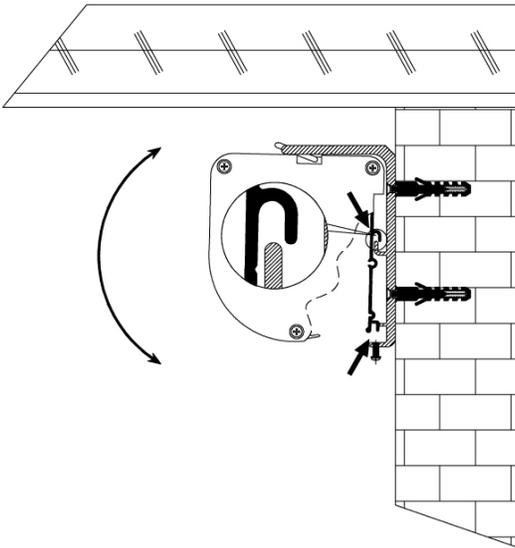
Secure the wall mounting brackets using appropriate screws in the desired location while ensuring they are level and that their distance apart does not exceed that of the screen. Hang the screen onto the mounting bracket with the rail mount and secure together with a screw on the underside of the bracket.



MOUNTING TO CEILING WITH L BRACKETS



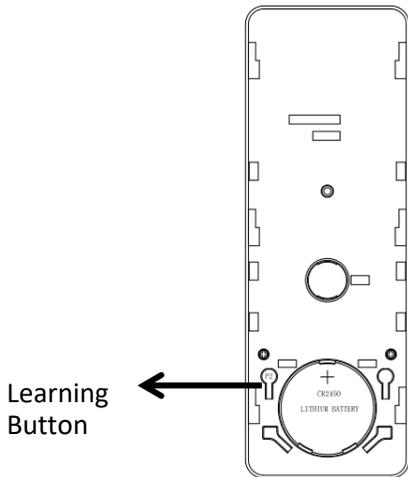
MOUNTING TO WALL WITH L BRACKETS



SCREEN SETUP

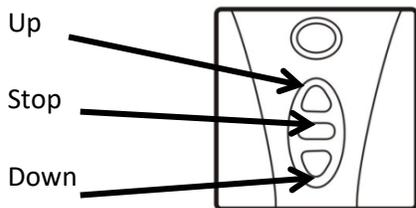
PAIRING THE RF REMOTE CONTROL

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. Remove the back cover of the remote control to reveal the learning button as shown below. Connect the power cable and listen for 1 beep from the motor. When you hear the beep, point the remote at the screen and press the learning button twice followed by the up button. The remote is now paired to the screen.



WALL CONTROL INSTALLATION

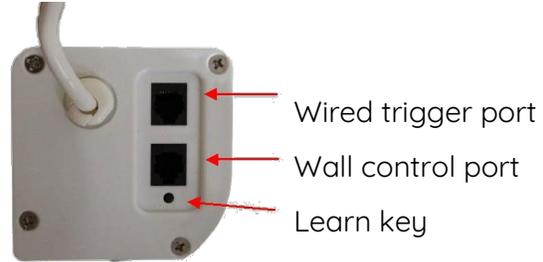
Insert the wall control cable into the port of the wall control.



12V TRIGGER INSTALLATION

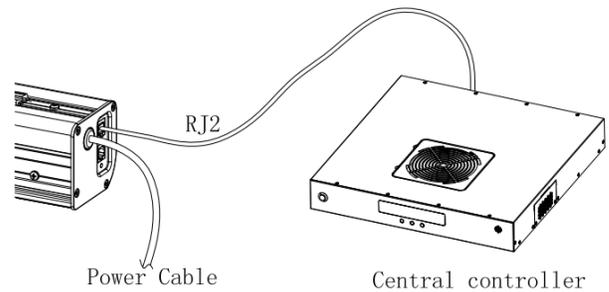
The 12V trigger is an optional feature which allows the screen to be automatically lowered when the projector turns on and retracted when

the projector turns off. The green and blue wires are needed for the connection.



RS232 SERIAL PORT CONTROL

The 12V wire trigger cable is also the RS232 cable. You can use it to connect to the central controller.

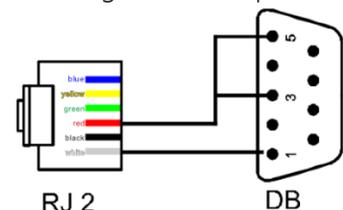


RS232 SERIAL PORT SETTINGS

Baud rate	2400	Default HEX code	
Data bit	8	FF 10 11 00 DD	UP
Parity	N	FF 10 11 00 EE	Down
Stop bit	1	FF 10 11 00 CC	Stop

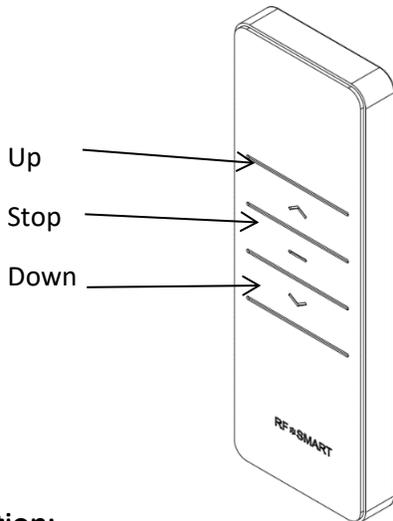
After adjusting the serial port setting, connect the RJ2 and RS232 according to the diagram. Fill in the HEX code into the serial control software and press the learn button for about 1 second. The LED will start flashing. Release the learn button this will send the code from the serial control software.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

Control Unit
Provided by others
i.e (Crestron,
AMX)



SCREEN OPERATION

When operating the screen with the wall control and the remote control, both have the same functions.



Lower the Projection Surface

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

Retracting the Projection Surface

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

Stopping the Projection Surface

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

Attention:

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.

ADJUSTING LIMIT SWITCHES

Attention:

Adjusting the limit might damage your screen if not done correctly. Please use the MICRO steps when adjusting and TEST the adjusted screen limit by press the UP and DOWN button in the remote control frequently to make sure the adjustments have been made correctly. If you see no movement, please reset the dial back to the **exact** same location as it was originally and call your dealer. Please use **ONLY** the lower limit. The Upper limit is only for setting the upper stop which is already adjusted correctly at the factory. If the upper limit is adjusted, the screen might be not able to stop the retracting movement. To adjust the lower limit, first press the DOWN button on your remote to have the screen fully extended.

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.

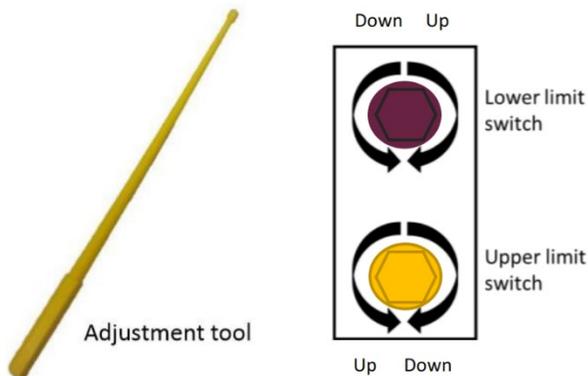


UPPER LIMIT

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

LOWER LIMIT

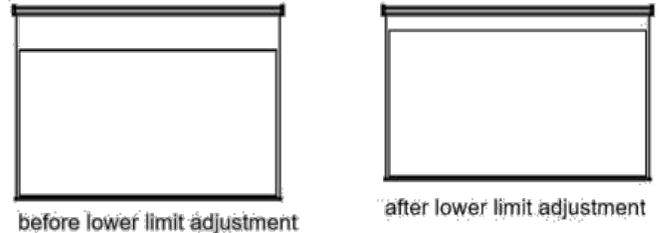
The lower limit switch is purple and can be adjusted for increasing or decreasing the amount of upper black drop on your screen.



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.

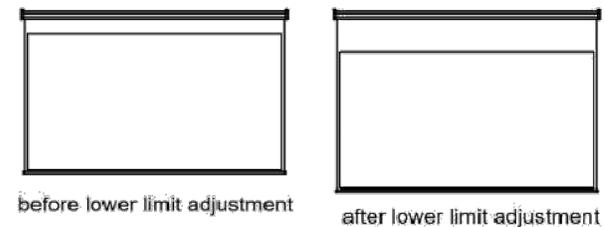
REDUCING BLACK DROP

To decrease the amount of black drop, first lower the screen and turn the purple lower limit switch 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.



INCREASING BLACK DROP

To increase black drop, lower the screen so it is fully extended. Using the adjustment tool, turn the purple limit switch counter-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 to 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 labeled on the fuse. Replace the fuse cover, put the circuit board back in its original location and replace the side cover.

SCREEN CARE

The surface of your screen is delicate. Special attention to these instructions should be followed when cleaning.

- A draftsman-style brush may be used to lightly whisk away any loose dirt or dust particles.
- Please ensure there are no other objects such as power switches, outlets, furniture, and windows occupying the space designated for the screen.
- For tougher spots, use a solution of mild detergent and water. Rub lightly using a sponge. Blot with a damp sponge to absorb excess water. Residual water marks will evaporate within a few minutes.
- Do not use any other cleaning materials on the screen. Contact your dealer if you have questions about removing difficult spots.
- When not in use, retract the screen to protect the optical surface from dirt, dust, grime, or any other impurities.
- 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 then continue use.
- The fabric might endure some pressure during transport and storage. Most pressure marks on the fabric will straighten out, but if some remain, please fully open the screen for 24 hours.
- Please make sure the fabric is **never** exposed to heat EG; sunlight, as this may damage the screen-fabric.

