VMAX Dual™ Series

[Dual Format Electric Projection Screen](#)
User's Guide

Make sure to read this user's guide and follow the procedures below.

Caution: The screen's Black Top Drop is already set to its maximum drop distance. There is *NO* extra Black Top Drop in the roller. Please be aware of this as it will void your warranty with Elite Screens. Unapproved changes or modifications (except for cutting the power cord for hardwire installations) to this unit are prohibited and will void your warranty. For more information, please contact our Technical Support Dept. at techsupport@elitescreens.com

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use with any unauthorized accessories not recommended by the supplier.
- Handle the unit carefully during transportation to avoid any damages.
- To ensure safe and reliable operation, direct connection to a properly grounded power source is advised.
- The power outlet supplying power to the unit should be close to the unit and easily accessible.
- Do not install the unit on uneven or inclined surfaces.
- Do not put heavy objects on the power cord and position it properly to avoid creating a trip obstacle.
- Never overload the power cord to prevent an electric shock or fire due to a loose contact or a short circuit.
- There are not user serviceable parts in this unit. Do not attempt to disassemble this unit by yourself. No one except authorized technicians can open and make repairs to this unit.
- Make sure the power source this unit is connected to has a continuous power flow.
- If there is need to use an extension cord, make sure the cord has an equal rating as the appliance to avoid overheat.
- Do not handle the power plug when your hands are wet or your feet are in contact with water.

Do not use this unit under the following circumstances.
- Disconnect the power cord under the conditions of heavy rain, wind, thunder or lightning.
- Avoid direct Sunshine, rain shower and moisture.
- Keep away from fire sources and high temperature to prevent this device from overheating.
- Cut off the power supply first before transportation or maintenance.
- Fully disconnect from the power supply when the unit is not in use for a long period of time, as should be done with any other electric household appliance.
- To avoid possible injury and/or an electric shock, do not attempt to use the screen if there is obvious damage or if there are any evident broken parts.

Pre-Installation

1. Carefully unpack the screen.
2. Always handle the screen in a leveled position on a clean surface.
3. In order to protect the screen from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

Installation Warning

Due to various installation environments, the instructions provided in this user's guide are for reference only. Please consult a professional installation company for further installation and safety advice. The installer must insure that proper mounting hardware is used to provide adequate strength suitable for the installation. Elite Screens is not liable for any faulty installations.

Individual modifications to this product are prohibited and will void the warranty with the supplier. Please contact Elite Screens Customer Service for any questions.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur on a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.
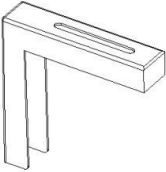
- ✓ **Reorient or relocate the receiving antenna of the device which may be casing the interference.**
- ✓ **Increase the separation between the screen and the device's receiver.**
- ✓ **Connect the equipment into a different power outlet other than the device.**

Note

Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the casing to become loose or fall. The installer must insure that the fasteners used are of adequate strength and suitable for the installation location.

Hardware Parts List for the VMAX Dual ™ Series

Please make sure all of the following items are included before proceeding with installation.

A. Hollow Wall Anchor x 6 pcs	B. Screw x 6 pcs	C. R18mmx6mm Washer x 6 pcs
D. M6x12mmx1.5mm washer, M6x24mm screw, M6 nut x 4 pcs	E. 6 inch wall brackets x 2 pcs	F. Black Tape x 2 pcs

Weight Bar Notice and Black Tape

The VMAX Dual's weight bars have been secured to hold in place with a metal plate which is screwed on. Please remove the metal plate prior to operating the screen. The screen will not deploy while the metal plate is in place.   Failure to remove the metal plate will result in possibly damaging the motor.
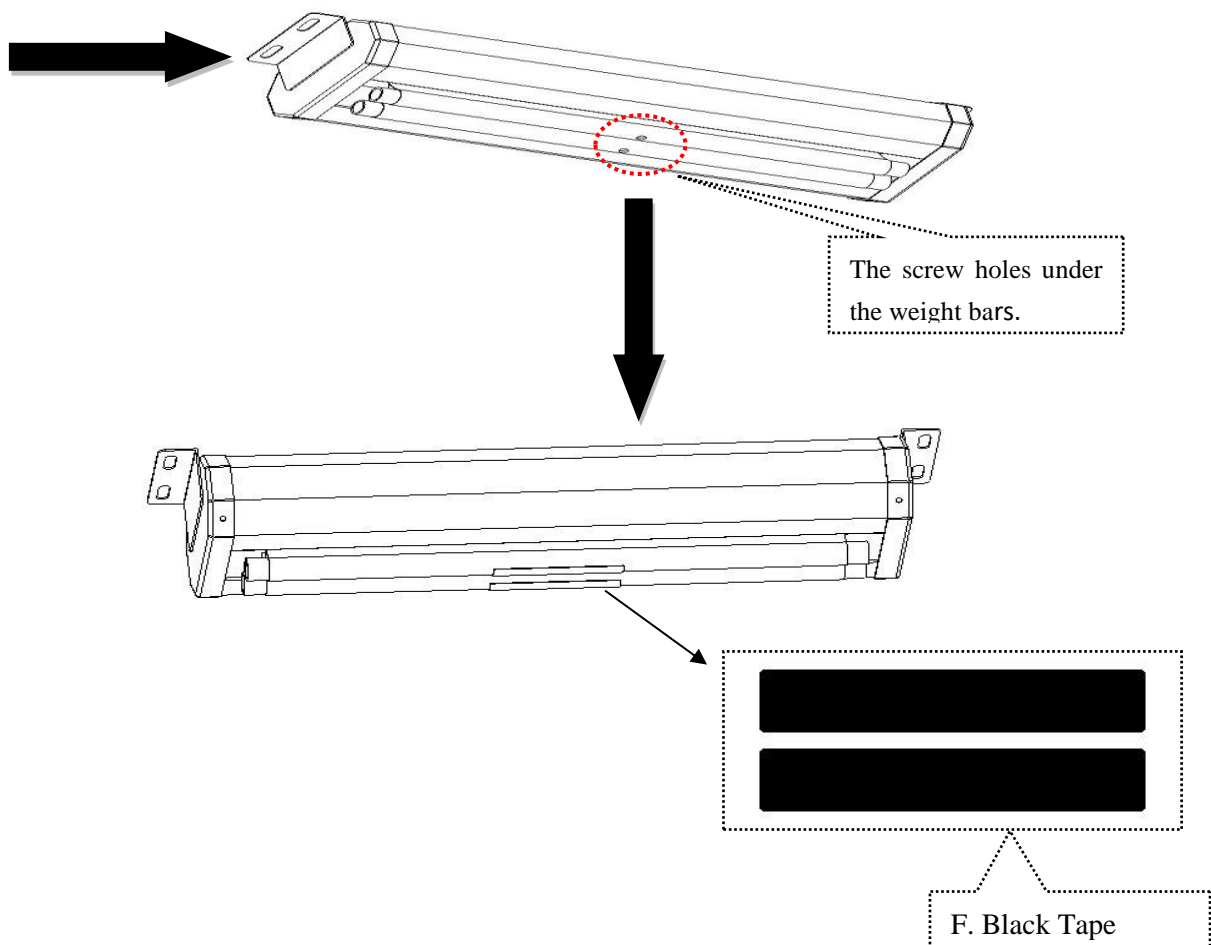
Weight bar metal plate removal
1. Unscrew both screws from the concave metal plate and remove it from the weight bars.

Concave metal plate
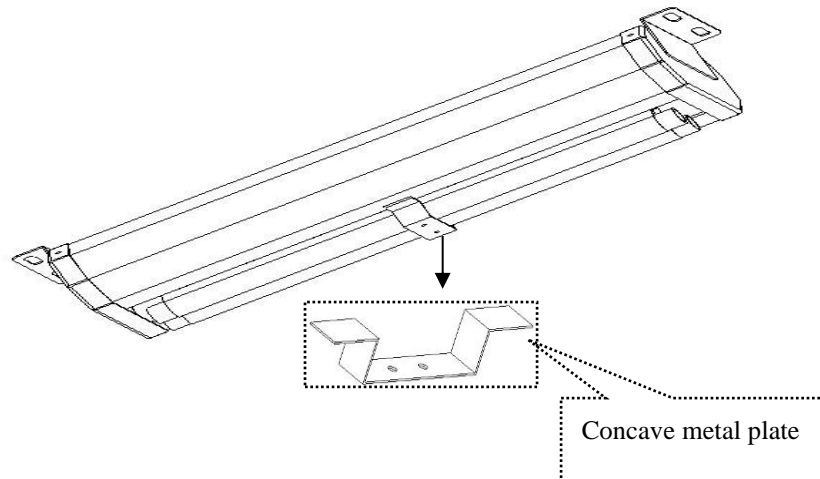
Black Tape
2. Stick a strip of **black tape** (F) over the two screw holes under the weight bar to cover them.

The screw holes under the weight bars.

F. Black Tape

*The **VMAX Dual Series** screen is designed for installation on a wall or ceiling. All hardware is included to allow a wall installation. A professional installer is strongly recommended for safety purposes.*

A. Wall Installation

1. Measure the length distance (L) between each hole on the screen's end flange as shown in the image above.	2. Measure and mark the required height for your installation. Next, drill three holes vertically 37mm apart for the **6 inch wall brackets** (E). Then, drill another hole according to the measurement distance obtained from Step 1. Finally, drill the remaining two holes for the wall bracket.	3. Insert the **hollow wall Anchors** (A) into the drilled holes. Align the **6 inch wall brackets** (E) to the drilled holes and secure with the **screws** (B).
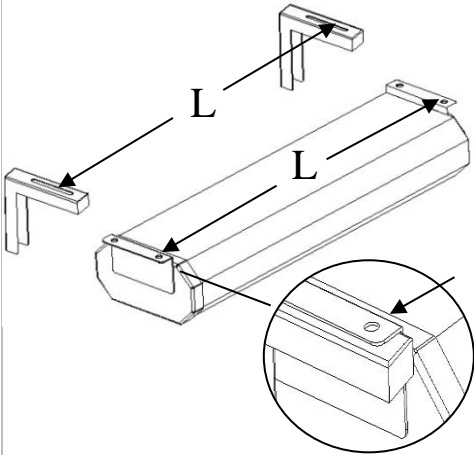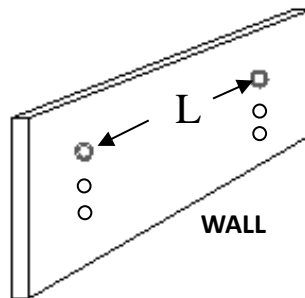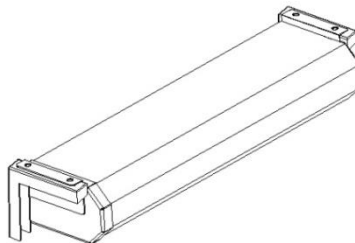
37mm

Woodscrew and R18mmx6mm washer
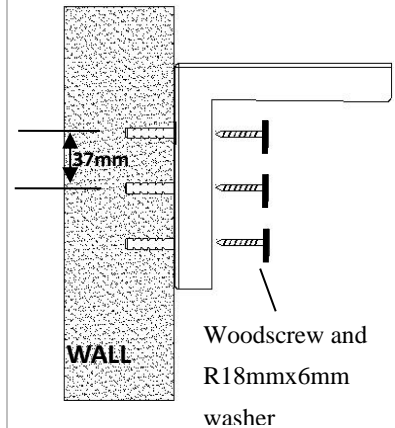
WALL |
| 4. After securing the **6 inch wall brackets** (E)to the wall, bring the screen over the top of the brackets.
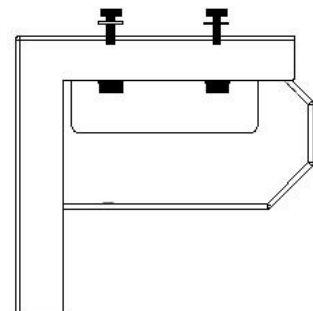
Two or more people are required to lift screen up.
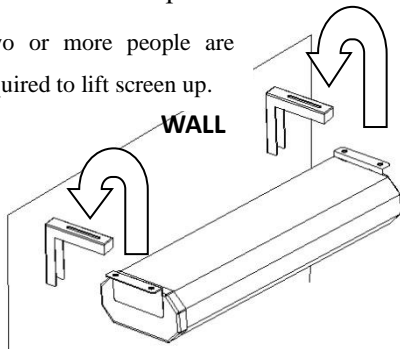
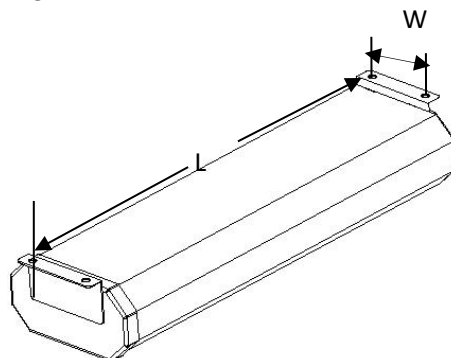WALL | 5. Align the screw holes from the screen's end flanges to the wall brackets top opening. | 6. Insert the **M6x24mm screw & washer** and secure with the **M6 nut** (D). |
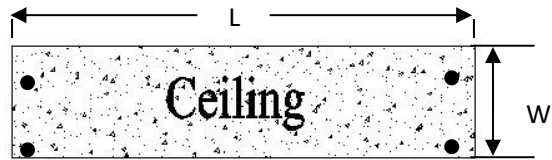
B. Ceiling Installation

1. Measure the (L) and (W) distance and mark the area on your ceiling. Those measurements are the holes located at the end flanges of the **VMAX Dual** screen as shown in the drawing.
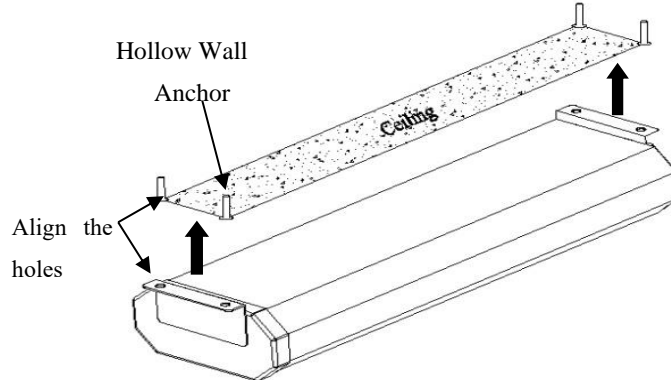
W

L

2. Drill four holes in the ceiling and insert the *hollow wall anchors* (A) in each of the drilled holes.


Two or more people are required for the next steps

3. Carefully bring up the screen and align the end flange holes of the screen with the two drilled holes in the ceiling.

Hollow Wall Anchor

Align the holes

4. Insert the *screw* (B) in the *hollow wall anchor* (A) and fasten with a *screw* (B) to secure the screen in place. Repeat procedure until screen is safely installed.


Screw (B) is inserted into hollow anchor (A).
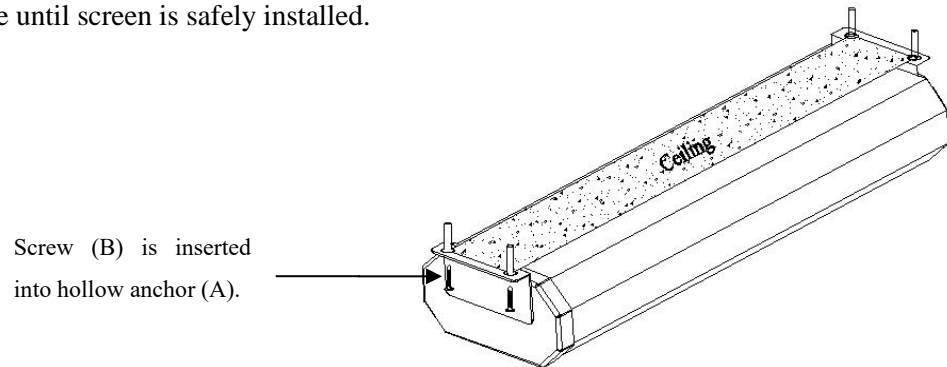
C. Suspended (Optional Ceiling Installation)

The following list of hardware *is not* included with the VMAX Dual.   These are general hardware parts required for installing the VMAX Dual on a high ceiling.

| F. Threaded Screw Rod x 4	G. Expansion anchor x 4	H. Washer x 12	I. Nut x 12

1. Measure the (L) and (W) distance and mark the area on your ceiling. Those measurements are the holes located at the end flanges of the *VMAX Dual* screen as shown in the drawing.
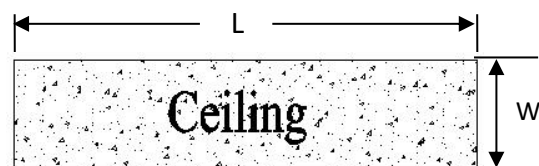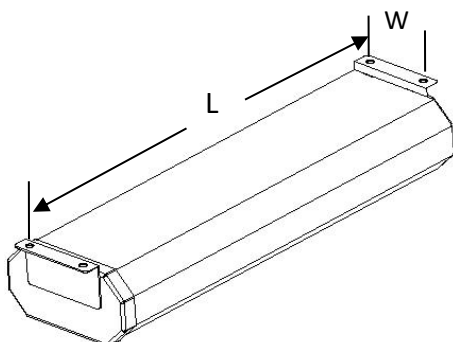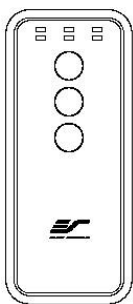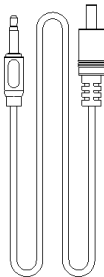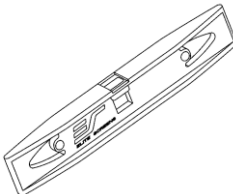
2. Insert the **nuts** (I) and **washers** (H) into every **threaded screw rod** (F) as shown on Fig 1.

3. Next, insert the **expansion anchors** (G) in the four drilled holes and put the threaded screw rod in the expansion anchors (Fig 2).

4. Then fasten the **nuts** (I) to secure the position of the **threaded screw rod** (Fig.3).
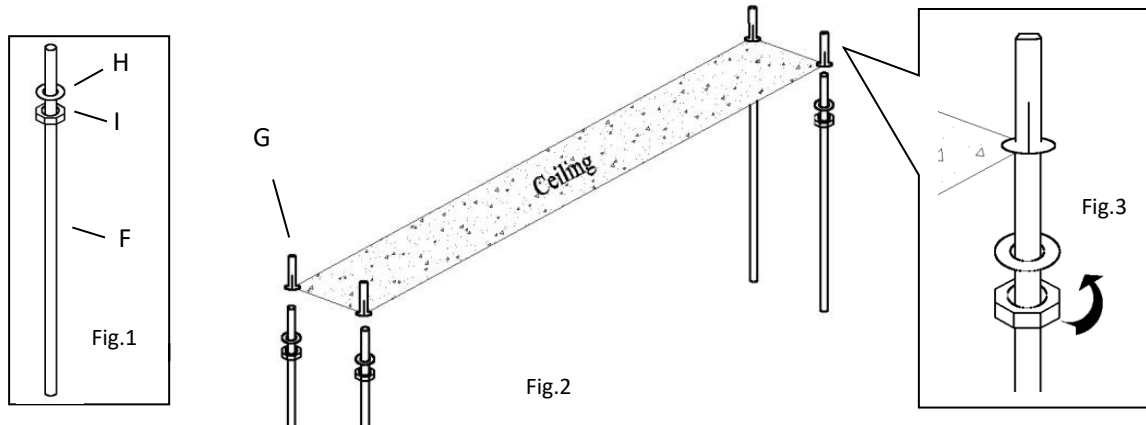
5. Lastly, align the end flange holes to the threaded support rods and fasten them with the nuts and washers as show below.
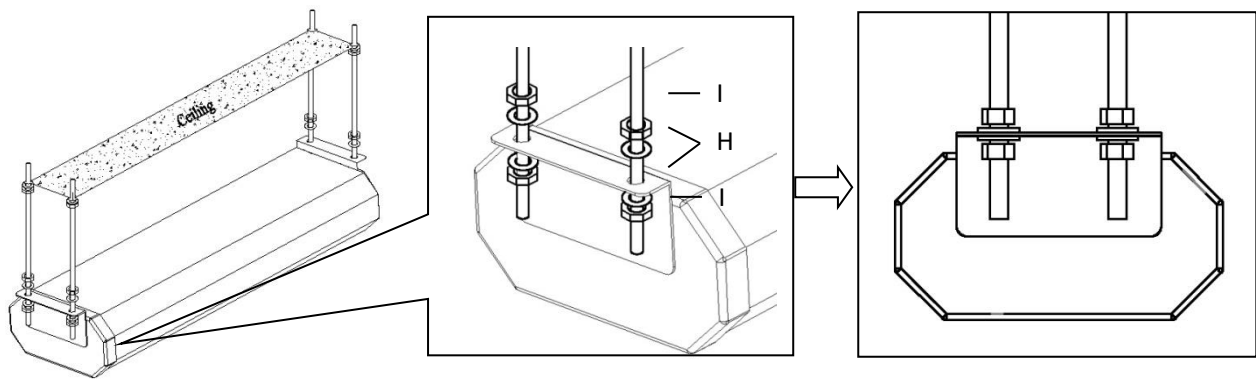

Accessories for the VMAX Dual Series

RF remote x 1	5-12V trigger cable x 1	Bubble leveler	AAA batteries x 2

Control System and Screen Operation

The *VMAX Dual* series screen's main unique feature is the ability of changing the screen's ratio to 2.35:1and 16:9 with the push of a button with the **RF remote** (Radio Frequency). This is accomplished by the screen's dual screen materials and motors.
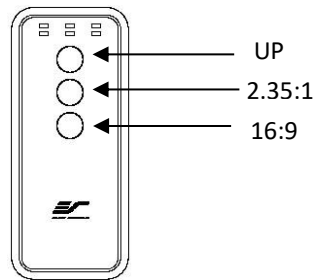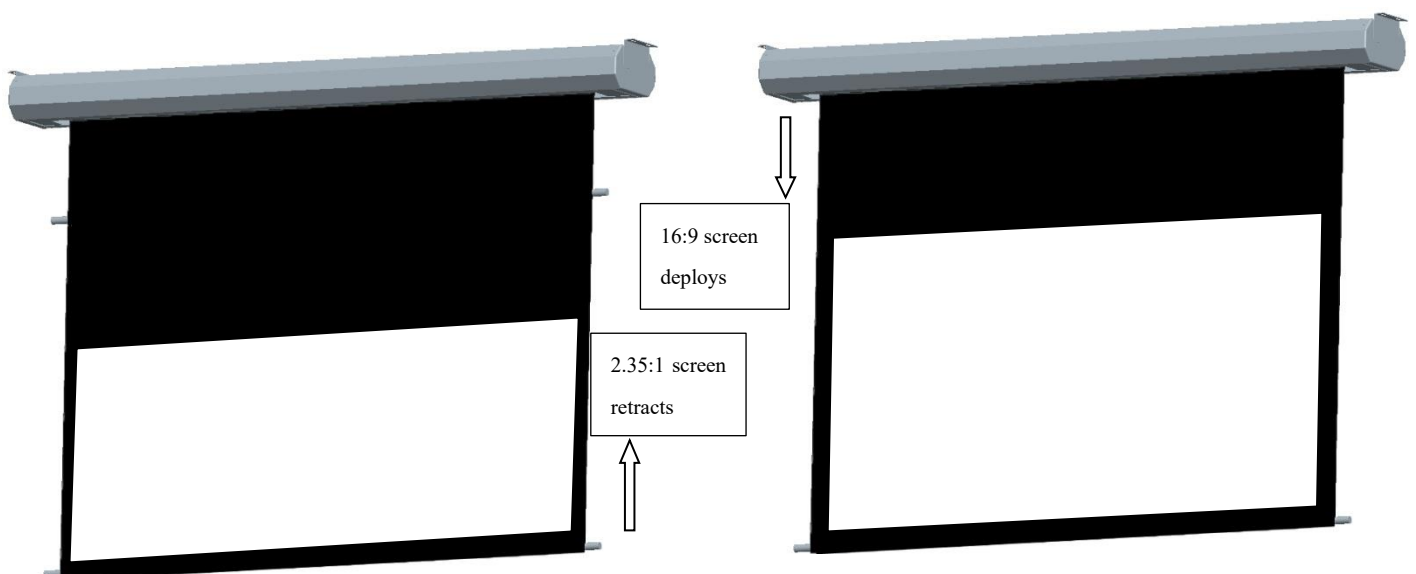

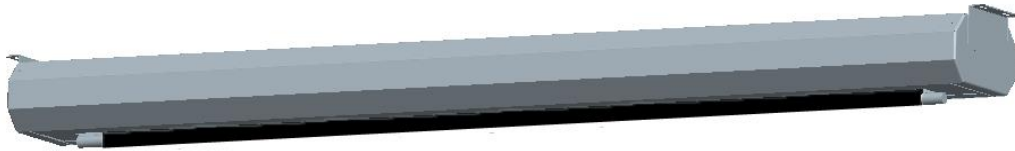## 1. Radio Frequency Remote Operation

Press the **2.35:1** button on the RF remote so the screen can lower and display a **2.35:1 format**.

Press the **16:9** button on the RF remote, this will retract the 2.35:1 screen into the housing. When the 2.35:1 screen has stopped, the 16:9 screen commences its deployment.

Press "UP" button on the RF remote to retract the screen into the housing.

2. Wireless 5-12 volt trigger operation

The *VMAX Dual* may be controlled through a projector's 5-12 volt trigger through the Radio Frequency remote control. It will synchronize with the projector's power cycle and **deploy** the *16:9 screen* when the projector is turned **on** and **retract** it when the projector is powered **off**.

Plug the 5-12 volt trigger cable as shown below and turn on your projector.

If the **16:9 screen** does not deploy, try the following steps to reprogram the RF remote to your VMAX Dual.

  Step1: Make sure to unplug your screen from the power outlet

  Step2: Hold the **UP** button on your RF remote

  Step3: While holding the **UP** button, plug the screen back to the power outlet

  Step 4: Wait 5 seconds and then release the **UP** button

  Step 5: The RF remote should now be programmed with your screen and ready to synchronize with your projector's power cycle

Repeat the steps again if unsuccessful.

Note: The projector's on/off cycle may take longer to fully activate. It typically takes anywhere from 20-30 seconds for full off/on cycle to function each time.

Example of the back of the projector

5-12 v input port

DC 5-12V OUT

12V wireless trigger
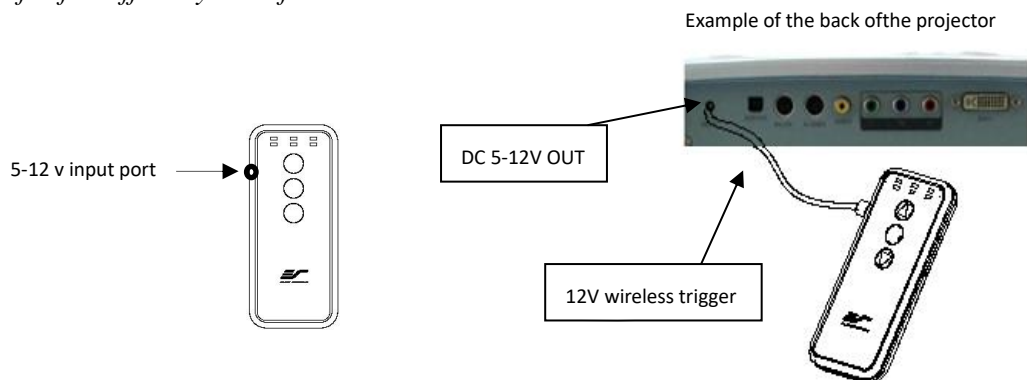
For a local Elite Screens contact or technical support, please visit

www.elitescreens.com