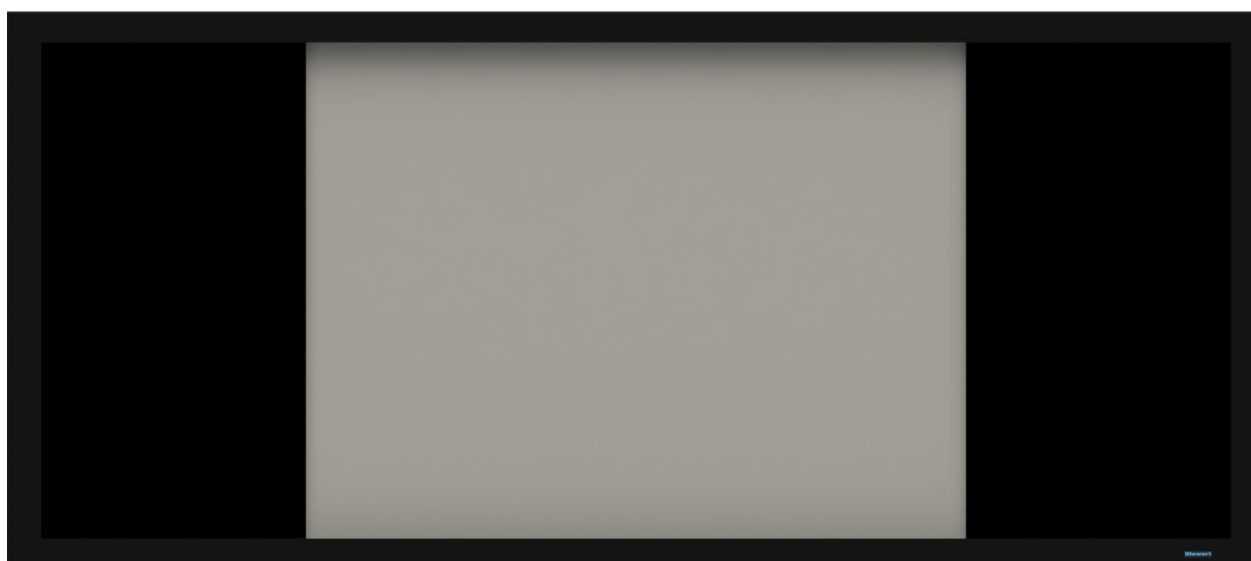


VistaScope EVO

Two-Way, Continuously Variable, Vertical Masking Screen System



Stewart
F I L M S C R E E N

The Reference for Stunning™

Printed in U.S.A. ©2020 Stewart Filmscreen Corporation

Stewart Filmscreen reserves the right to make changes to the product specified in this document. Sizes and specifications subject to change without notice at Manufacturer's discretion. From time to time, this document is updated. Current versions of documentation are posted on the Stewart Filmscreen website at:

www.StewartFilmscreen.com

VistaScope EVO

OWNER'S MANUAL

Contents

To the Owner	4
About VistaScope EVO	5
Using this Manual for Installation	6
Screen System Components	8
Assembling and Mounting the Frame	10
Operating VistaScope EVO	15
Care for and Cleaning the Screen	16
Troubleshooting	18
One (1) Year Limited Warranty	19

TO THE OWNER

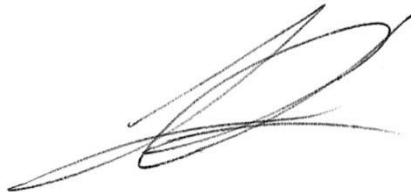
Congratulations on purchasing the finest optical viewing screen in the world.

Your handcrafted, VistaScope EVO projection screen has been carefully inspected to ensure you will have an optimal viewing experience that will last many years. Please take a moment to review this manual. It will guide you through the installation and the operation of your screen and will also provide you with detailed instructions on how to care for your screen's viewing surface.

From all of us at Stewart Filmscreen, we would like to thank you for choosing VistaScope EVO. Should you have any questions, please don't hesitate to contact our customer service department at 1 (310) 784-5300, or toll free at 1 (800) 762-4999. We're here to help.



Mary Stewart
CEO and Owner



Juan Carlos Rivas
Fixed Frame Masking Leadman

ABOUT VISTASCOPE EVO

Stewart Filmscreen's VistaScope EVO features a native 2.40:1 image area allowing full enjoyment and flexibility when watching movies in super-widescreen formats. With your choice of Stewart's world-renowned premium screen materials, this screen is one of our best-selling screens.

About VistaScope EVO Masking

To accommodate variable aspect ratios, the VistaScope features a masking system. The screen maintains a constant vertical height while the electronically controlled side masking panels precisely create the correct screen area for viewing images projected in different aspect ratios. These aspect ratios include the native CinemaScope, NTSC 4:3, widescreen, and HDTV 16:9.

About the Continuous Variable Masking (CVM) Controller

The VistaScope uses the Stewart Filmscreen CVM for control of the masking motors. You can preset several masking positions to achieve the desired aspect ratio. Refer to the CVM manual for more information on installing the CVM and operating the masking motors with the CVM.

IMPORTANT SAFETY INFORMATION

- ▶ Carefully read the instructions appropriate for your needs.
- ▶ This screen may require AC power connections.
- ▶ This screen should be installed by a qualified AV technician and an electrician if required.
- ▶ For supply connections, use wires rated for at least 75 C.
- ▶ Use copper or aluminum conductors.
- ▶ For indoor use only.
- ▶ Do not connect low-voltage to line-voltage power.
- ▶ Earth ground terminal connection must be made as shown in wiring diagrams.
- ▶ Proper short circuit and overload protection must be provided at the circuit breaker distribution panel. Use up to a 20 amp maximum circuit breaker with adequate short circuit breaking capacity for your installation.

USING THIS MANUAL FOR INSTALLATION

VOIDING YOUR WARRANTY

Failure to comply with the instructions and guidance contained in this manual will result in voiding your warranty.

PREPARATION

Before proceeding with the installation of this screen, take time to thoroughly read and understand these installation instructions, and be sure to note the following:

1. Prepare for electrical access.
2. Make sure there is a clean surface on which to unroll the screen and assemble the frame.
3. Specifications regarding the individual screen dimensions, weight, etc., are provided by the factory when the unit is ordered.
4. Check the size and weight of the screen to be installed so that you can plan for the number of people required for installation. You will need at least two people to mount standard size screens; more persons are needed for larger, heavier screens.
5. If installing the VistaScope EVO in an aperture, ensure that the opening is large enough to accommodate the screen in its installed configuration. A minimum clearance of 1 – 2” (2.5 – 5 cm) on all sides and on top of the screen is strongly recommended.

You will need:

- A level
- A drill
- A drop cloth
- Lint-free, clean gloves for handling the screen
- Ladders for the personnel supporting the screen during the mounting process
- Fasteners appropriate for the surface on which the screen is being mounted
- Tools for tightening fasteners. **Note:** Bolts and other fasteners for the screen are standard gauge and sizes used in the USA. For this reason, the sizes are expressed in inches rather than metric measurements.

USING THIS MANUAL FOR INSTALLATION (CONTINUED)

Unpacking

Be sure to unpack carefully in a clean area. Use special care when handling the screen so that it does not become soiled or damaged. If you plan to repack your screen and hardware for transportation to another location, you may wish to photograph or make a note of how it was packed. Keep the packing material.

CAUTION

Do not stand on the screen tube or store it vertically on its end. This will cause screen damage. If you are not going to install the screen immediately, make sure it remains horizontal during storage.

SCREEN SYSTEM COMPONENTS

This section identifies the primary components of the VistaScope EVO. The unit is shipped in several sections: the left and right sections, each with a motor assembly on the outside, plus a center section.

What's in the Box?

- Center Frame (x2)
- C Section (x2)
- Vertical Stiffeners
- Screen
- CVM



Figure 1: Shipping Crate Contents

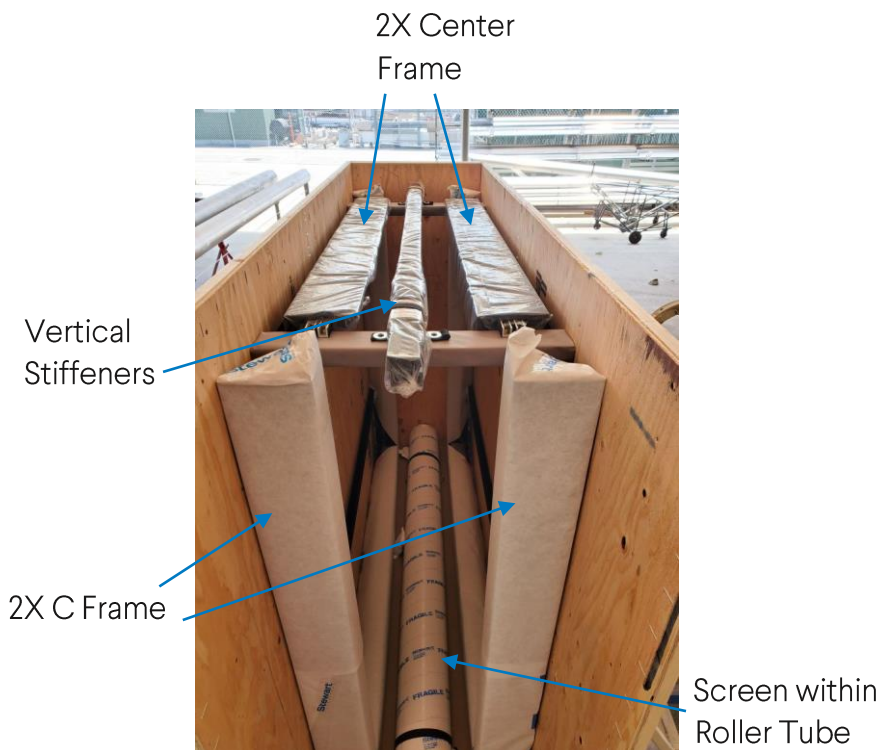


Figure 2: Content Detail



Figure 3: CVM Box

SCREEN SYSTEM COMPONENTS (CONTINUED)

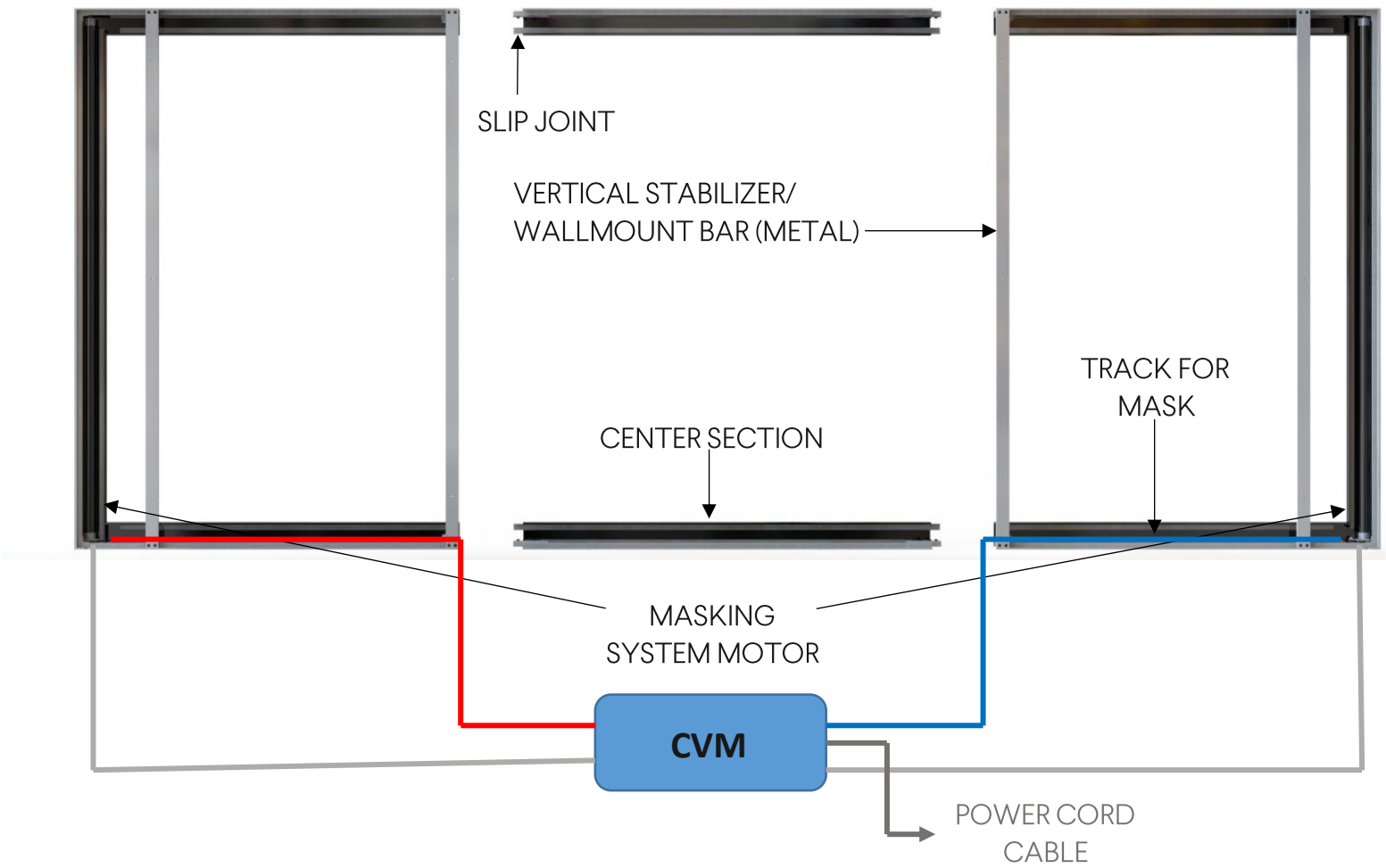


Figure 4: Frame Rear View

ASSEMBLING AND MOUNTING THE FRAME

Professional mounting techniques should be used. Stewart Filmscreen cannot be liable for substandard or faulty installations. Refer to Figure 4.

1. Assemble the frame by fitting together the slip joints and angle bracket connections of the side sections and center section. The sections are number matched. Secure the sections using the supplied hex head bolts.

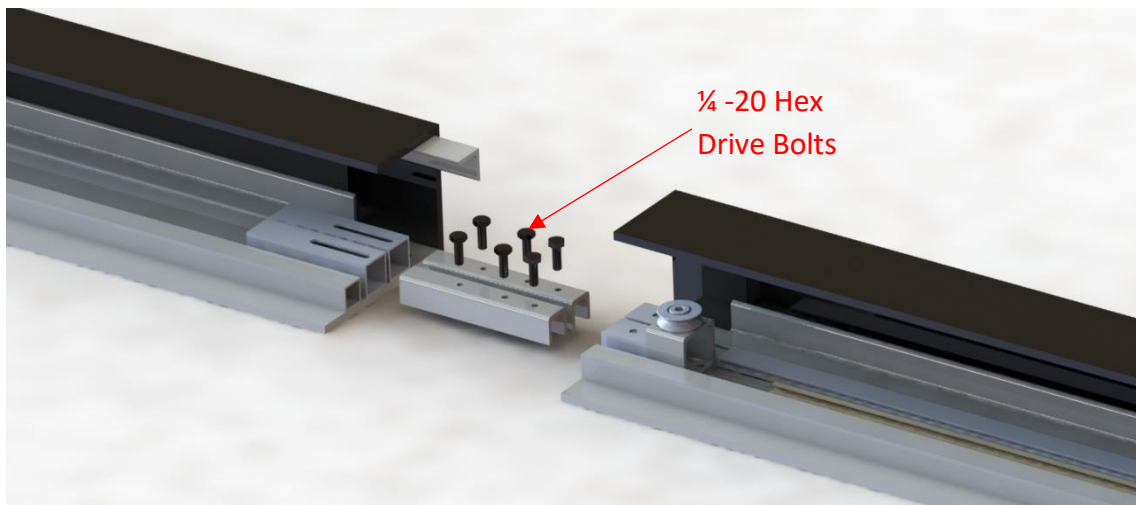


Figure 5: Frame Attachment (Slip Joint) Detail

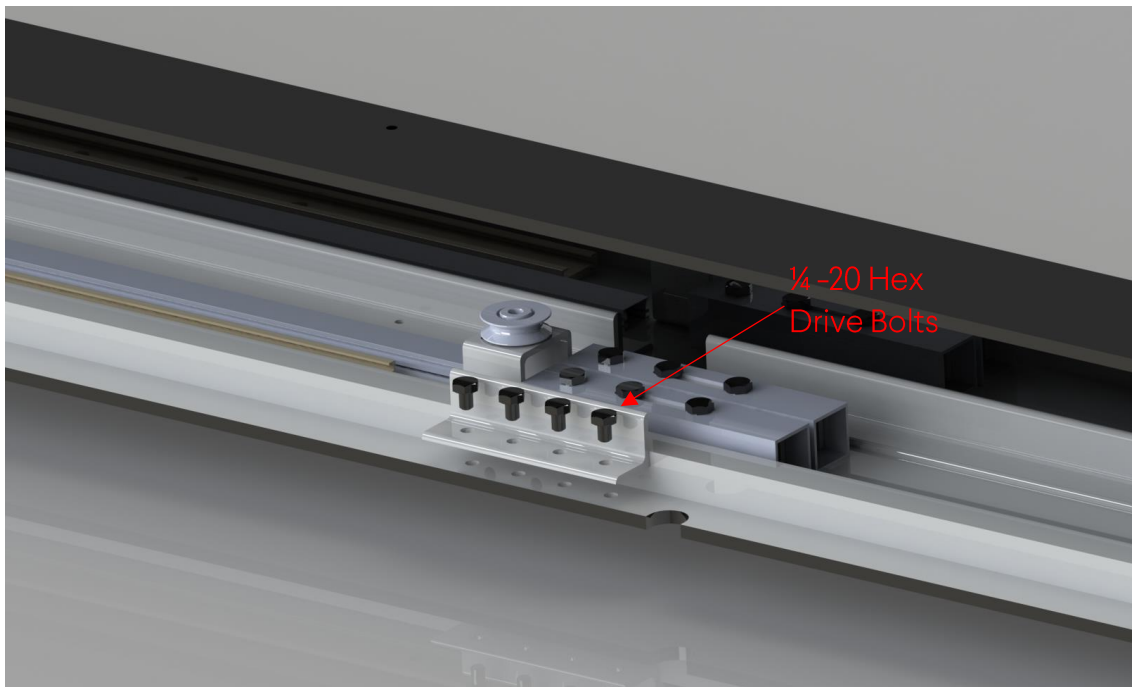


Figure 6: Frame Attachment (Angle Bracket) Detail

2. Attach the center wall mount bracket to the frame.

ASSEMBLING AND MOUNTING THE FRAME (CONTINUED)



Figure 7: Vertical Stabilizer/Wall Mount Detail

3. Mount the frame to the wall using the attached wall mount brackets. If possible, attach to wall studs. Alternatively, use hollow wall anchors or molly bolts appropriate for the weight of the screen and frame assembly.

Note: You may use wooden strips to ensure the screen is secured to the wall. Fasten the wooden strips horizontally to wall studs and secure the VistaScope EVO mounting brackets on any place along the strips. Make sure both wooden strips and the VistaScope frame are level.

4. Make sure the frame is level.
5. Run the CAT-5 cable and motor cable through the frame's bottom as shown in Figures 8 - 10.

ASSEMBLING AND MOUNTING THE FRAME (CABLE DETAIL)

Note: CAT-5 and motor cables have been color-coded for specific side orientation.
See Figures 8 and 9 for more details.

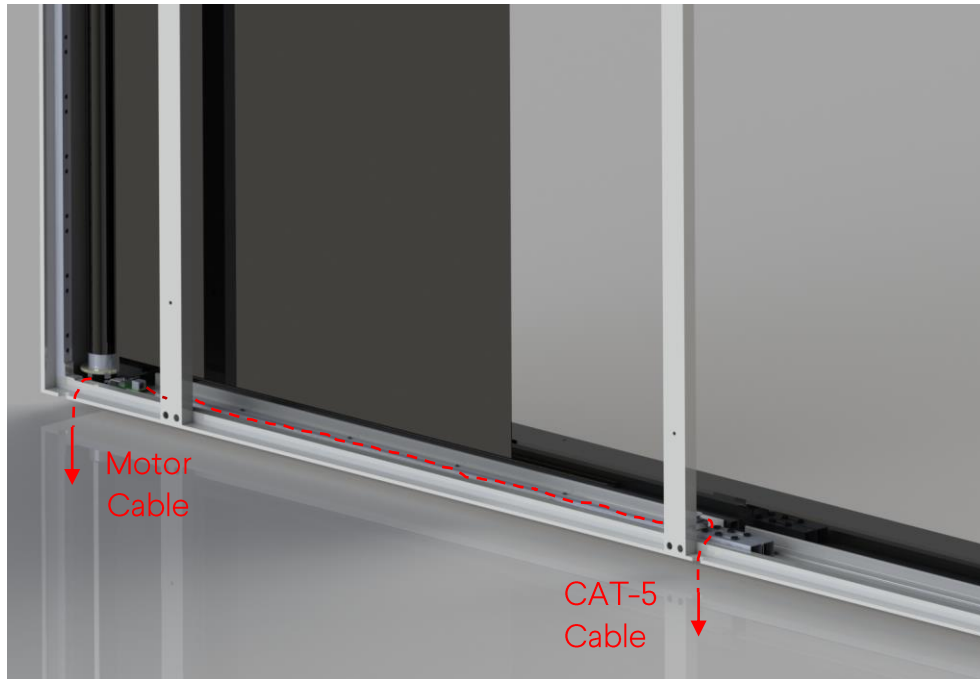


Figure 8: Audience Right Cable Placement Detail Rear View

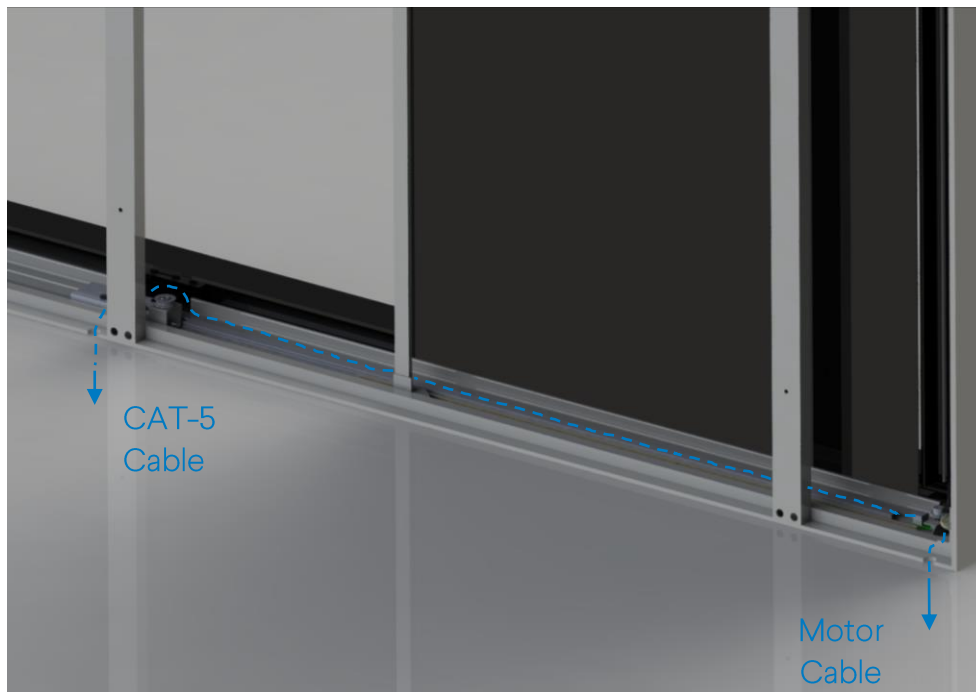


Figure 9: Audience Left Cable Placement Detail Rear View

ASSEMBLING AND MOUNTING THE FRAME (CABLE DETAIL, CONT.)

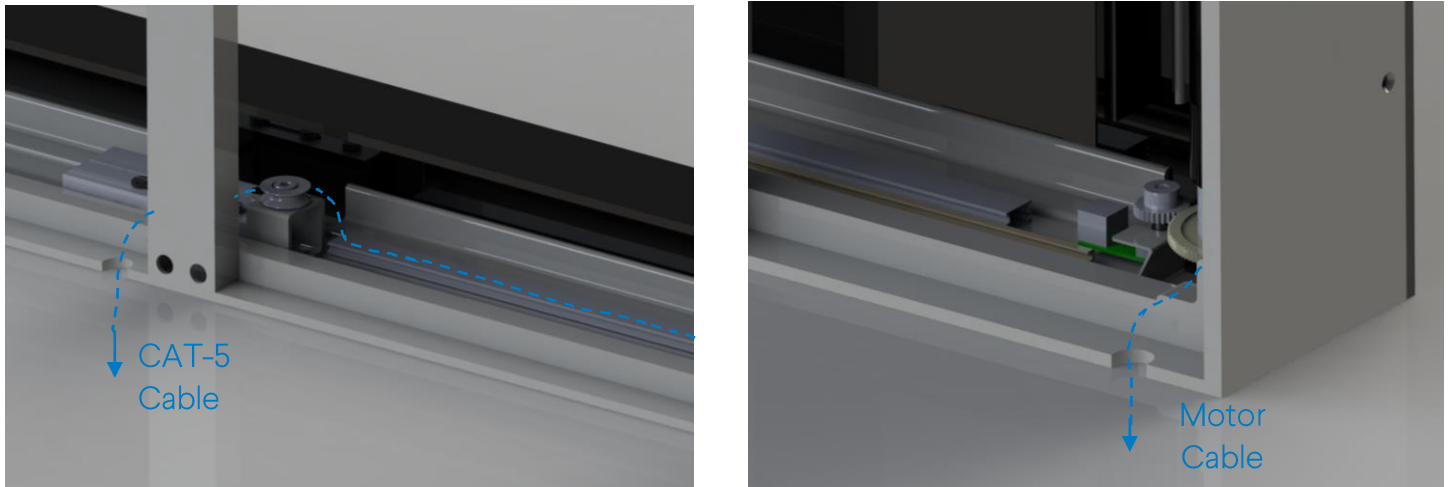


Figure 10: Audience Left CAT-5 and Motor Cable Detail Rear View

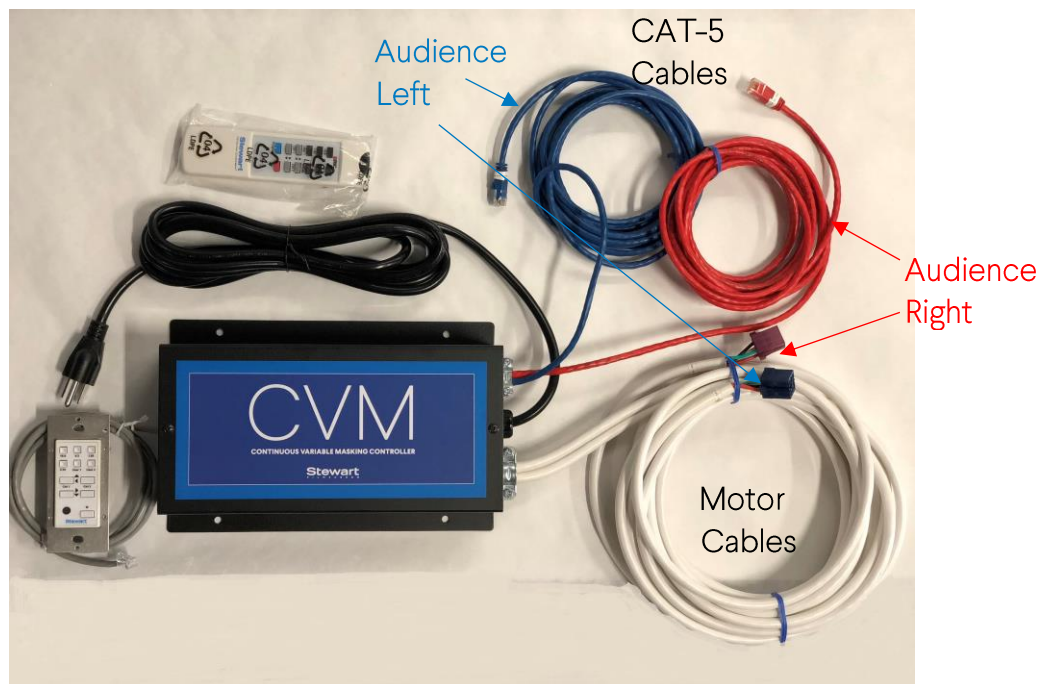


Figure 11: CVM

ASSEMBLING AND MOUNTING THE FRAME (CONTINUED)

1. Attach the screen to the frame (see Figure 12).

⚠ CAUTION

- ▶ Be careful not to touch or scratch the viewing surface with fingernails.
- ▶ Do not fold or crease the screen.

You will need at least two people, one to support the screen and one to hook the screen in place. The viewing side of the projection screen is rolled to the inside to protect the optical coating. The screen is rolled lengthwise, with protective paper rolled in with the screen. Remove the screen from the cardboard shipping tube.

2. Look at the frame and locate the hooks and lace (pre-attached to the frame).

Note: Screen attachment is done from the audience side.

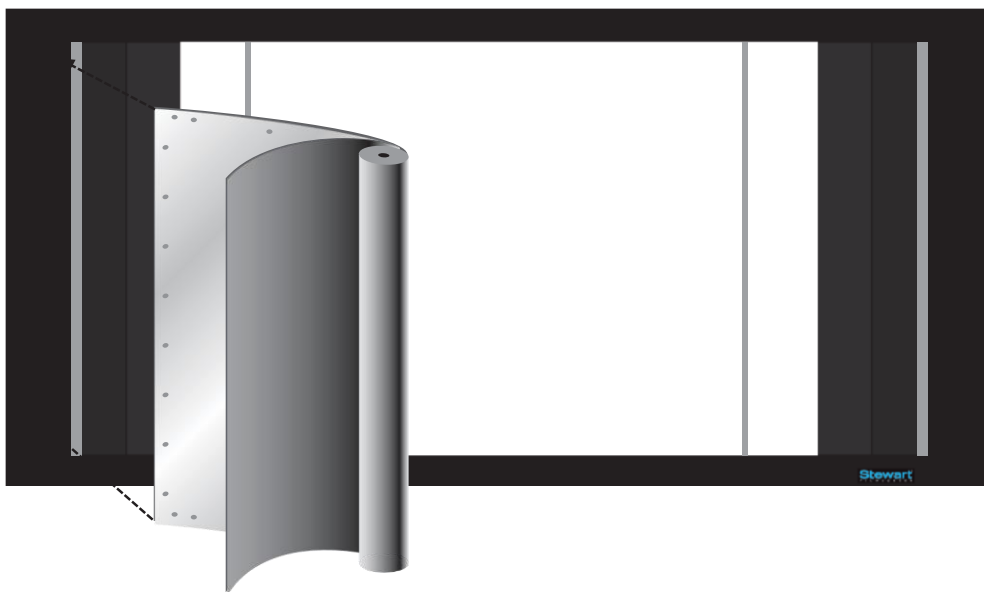


Figure 12: Unrolling the Screen for Attachment to the Frame



Figure 13: Details of Screen Attachment

ASSEMBLING AND MOUNTING THE FRAME (CONTINUED)

3. While supporting the screen roll, hook the screen into the frame starting at the top left (audience side). Gently allow the screen to stretch onto the hook and lace. Do not jerk, wrinkle, or crease the screen material as it may cause damage. Refer to Figures 12 and 13. Attach the hooks on the top corners and top horizontal section first, unrolling the screen as you go.
4. Attach remaining hooks. Ensure proper screen material placement by checking if the red-coated hooks and grommets have lined up in both the horizontal and vertical positions. See Figure 14.



Figure 14: Screen Hook Details

OPERATING VISTASCOPE EVO

VistaScope EVO operation is controlled by the Stewart Filmscreen CVM. Refer to the CVM manual. You can use either a handheld remote control or a wall-mounted keypad to operate the masking.

⚠ CAUTION

Keep objects and fingers out of the way of the masks when they are in motion.

CARING FOR AND CLEANING THE SCREEN

With reasonable care, you may expect many years of dependable use of your Stewart screen.

GENERAL MAINTENANCE

The surface of your screen is delicate, so we encourage you to keep your screen clean. Special attention to these instructions should be followed when cleaning.

- Avoid getting any foreign objects on the screen as cleaning may prove very difficult. It may not be possible to remove scratches, paint, ink, etc.
- A draftsman-style brush may be used to lightly whisk away any loose dirt or dust particles. This type of brush is usually available at office supply stores. Stewart has an optional screen cleaning kit that contains the proper type of brush. Contact your dealer to obtain the cleaning kit.
- For tougher spots, you can make a cleaning solution using a water-based detergent and warm water. To make the solution, mix one part Simple Green, 409, or other water-based industrial cleaner with three parts warm water. Moisten a clean cotton cloth, or Q-Tip with this solution, moisten the stained area, and then gently lift off the stain. **Never use an aggressive scrubbing action as you could damage the screen surface by removing the optical coating.** Moisten the area with clean water and dab dry with a clean sponge or cotton cloth. Any residual watermarks will evaporate on their own within a few minutes.
- Contact the factory if you have questions about removing difficult spots.

⚠ CAUTION

- Do not use any other cleaning materials on the screen.
- Do not use chemicals or solvents to clean the screen. Use only commercially available water-based de-greaser.
- Do not use chemicals, solvents, or liquid cleaners to clean the Velux covering.

VELUX™ COVERING

- Velux is the velvet material covering the frame.
- Use a lint roller to remove particles from the Velux.
- Use a brush to comb (lift) the nap of the Velux material to help eliminate depression marks.



Stewart Filmscreen Cleaning Kit

REPLACEMENT PARTS AND SERVICE

Contact your dealer or the factory if you require part replacement or service. **Note:** The fascia (border) located and attached around the frame is removable. See Figures 15 and 16 below.

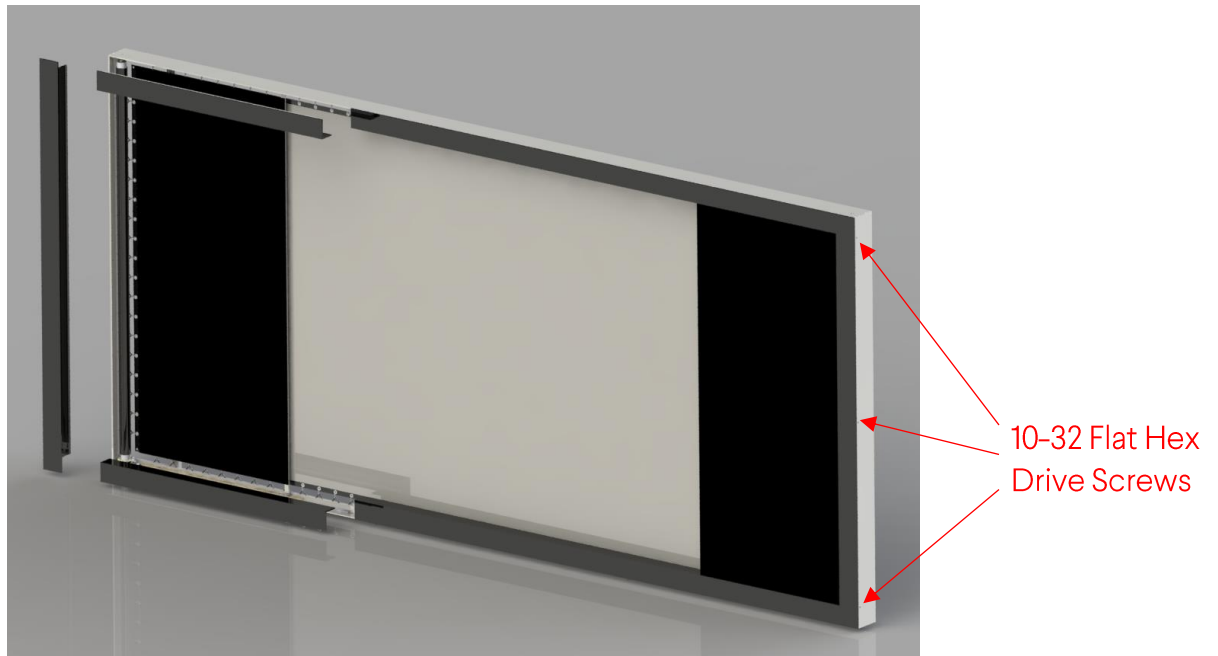


Figure 15: Removable Fascia (Border)

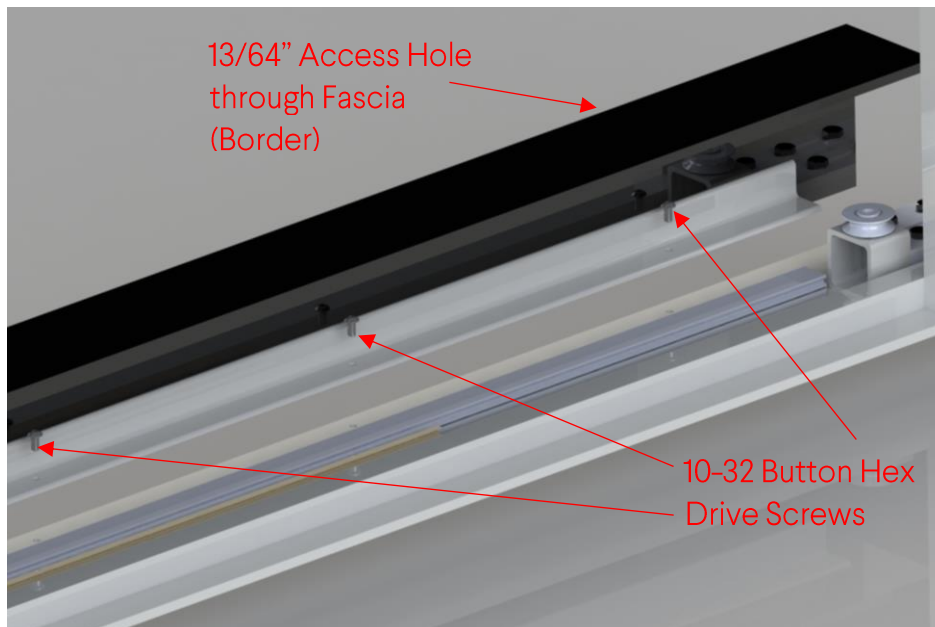


Figure 16: Fascia (Border) Removal Detail

TROUBLESHOOTING

Refer to the following guidelines if you encounter a difficulty in the operation of your Stewart Filmscreen product. Problems related to electrical or motor function may require a qualified service person or electrician. Should you have a problem that is not addressed here, call Stewart Filmscreen at 1 (310) 784-5300, toll free 1 (800) 762-4999.

Problem	Cause	Action Steps
Dirt, fingerprints, marks, etc. on the screen surface	Improper handling of screen	Use a draftsman-style brush to lightly whisk away any loose dirt or dust particles. For tougher spots, you can make a cleaning solution using a water-based detergent (i.e. 409, Simple Green, Fantastik) and warm water. Moisten a clean cotton cloth or Q-Tip with this solution; moisten the stained area, and gently lift off the stain
The motor chatters when power is activated	Can be caused by voltage drop, bad connections, or a defective switch	Have an electrician or qualified service person check all hookups including all outboard wiring
When retracting the masks, grinding noise occurs	Drop in voltage	The motor requires full voltage. Have an electrician or qualified service person check available voltage
The masking panels are not operating	No AC power available. The third-party control is not operational	Check to see if the circuit breaker has switched off. Reset if needed. Check the outboard switching apparatus. Check voltage availability. Contact an electrician. Check for correct pinout, wiring, and serial strings. ***After Installation: Check to see if the motor is overheating due to constant use of masking panels during install

ONE (1) YEAR LIMITED WARRANTY

STEWART FILMSCREEN CORPORATION (Stewart) warrants all products to the original purchaser only. Stewart products are guaranteed to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original purchaser or eighteen (18) months from date of manufacture, as defined in the serial number. Additionally, all products must be properly operated and maintained according to Stewart instructions and cannot be damaged due to improper handling or treatment after shipment from the factory. This warranty does not apply to equipment showing evidence of misuse, abuse, or accidental damage, including neglect caused by improper installation (i.e. Proximity to hot lights, exposure to extreme heat or cold, exposure to excessive humidity, etc.)

Stewart on-site warranty repair services are not available for this product. Stewart's sole obligation under this warranty shall be to repair or to replace (at Stewart's sole discretion) the defective part of the merchandise. This warranty expressly does not cover any costs of removal, installation, framing, or other costs incidental to replacing the screen or returning it to Stewart. Returns for service should be made to your Stewart dealer. If it is necessary for the dealer to return the screen or part to Stewart, transportation (freight) expenses to and from Stewart are payable by the purchaser. Stewart is not responsible for damage in shipment. To protect against damage or loss in transit, insure the product and prepay all transportation expenses.

This warranty is in lieu of all other warranties, expressed or implied, including warranties as to fitness for use or merchantability. Any implied warranties of fitness for use, or merchantability, that may be mandated by statute or rule of law are limited to the one (1) year warranty period. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. In no event will Stewart be liable for sums in excess of the purchase price of the product. No liability is assumed by Stewart for expenses or damages resulting from interruption in operation of equipment, or for incidental, direct, or consequential damages of any nature. In the event that there is a defect in materials or workmanship of a Stewart Filmscreen product, you may contact our Customer Service Department at 1161 W Sepulveda Blvd, Torrance, California 90502-2797, or call us at 1 (310) 784-5300, or toll free at 1 (800) 762-4999.

IMPORTANT: This warranty shall not be valid and Stewart shall not be bound by this warranty if the product is not operated and maintained in accordance with Stewart's written instructions. Stewart Filmscreen Corporation shall not be liable for any and all consequential damage(s) occasioned by the breach of any written or implied warranty pertaining to the sale of a Stewart Filmscreen product in excess of the purchase price of the product sold.



The Reference for Stunning™

www.StewartFilmscreen.com

1161 W. Sepulveda Blvd., Torrance CA 90502 USA | 800.762.4999 | Tel: 310.784.5300 | Fax: 310.326.6870

Email: Request@StewartFilmscreen.com

©2020 Stewart Filmscreen. Specifications are subject to change without notice.