

CineCurve[®]

Owner's Manual



To the Owner

Installation Instructions

Operating the Screen

Maintenance

CCV-0117

TO THE INSTALLER: BE SURE TO LEAVE THIS MANUAL WITH THE OWNER.

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www.stewartfilmscreen.com

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TO THE OWNER

Congratulations on your purchase of one of the finest optical viewing screens available anywhere in the world!

Please take a moment to review this manual as it will help ensure you many years of trouble-free service from your new Stewart Filmscreen product.

About the CineCurve

The CineCurve features a native 2.40:1 image area allowing full enjoyment and flexibility when watching movies in super widescreen formats.

To accommodate variable aspect ratios, the CineCurve features a masking system. The screen maintains a constant vertical height, while the electronically controlled side masking panels create the right screen area for viewing images projected in different aspect ratios: from its native CinemaScope to Widescreen, HDTV 16:9, and NTSC 4:3 formats.

A side trim cover is available as an option.

The frame acts as a projection overscan border. The VeLux finish is designed to absorb any overscanning.

BRIC

The CineCurve uses the Stewart Filmscreen BRIC for control of the masking motors. You can preset several masking positions to achieve desired aspect ratios.

Refer to the BRIC manual for more information on installing the BRIC and operating the masking motors with the BRIC.

PREPARING THE INSTALLATION

Before proceeding with the installation of this screen, take time to thoroughly read and understand these installation instructions.

Preparation

Specifications regarding the individual screen dimensions, weight, etc. are provided by the factory when the unit is ordered.

Before beginning the installation:

- ◆ Make sure there is a clean surface on which to unroll the screen and assemble the frame.
- ◆ Prepare for electrical access.
- ◆ 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 need at least two people to mount standard size screens; more are needed for larger, heavier screens.
- ◆ If installing the CineCurve 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:

- ◆ Lint-free, clean cloth gloves for handling the screen
- ◆ Ladders for the personnel supporting the screen during the mounting process
- ◆ A level
- ◆ Fasteners appropriate for the surface on which the screen is being mounted
- ◆ A drill
- ◆ Tools for tightening fasteners

Note: Bolts and other fasteners for the screen are standard gauge and sizes used in the U.S., regardless of where they will be installed. For this reason, the sizes are expressed in inches rather than metric measurements.

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.

PRODUCT COMPONENTS

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

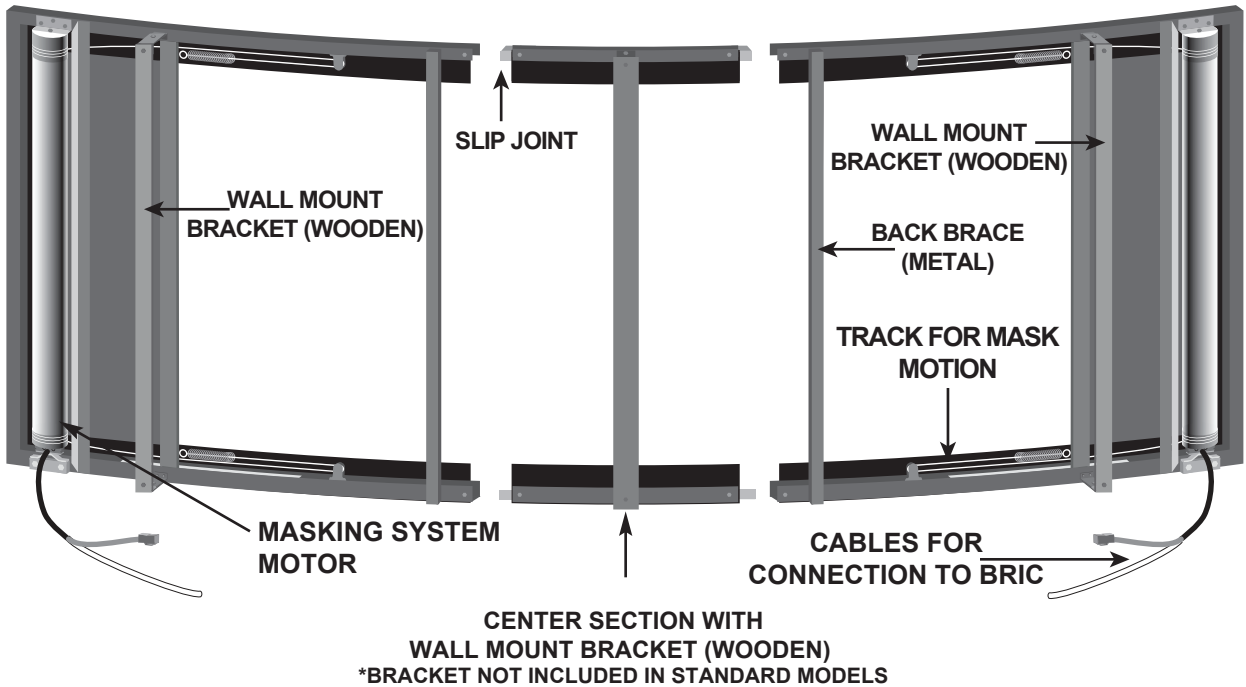


Figure 1: Frame Rear View

ASSEMBLING AND MOUNTING THE FRAME

Professional mounting techniques should be used. Stewart Filmscreen can not be liable for substandard or faulty installations.

Refer to Figure 1

1. Assemble the frame by fitting together the slip joints of the side sections and center section. The sections are number matched. Secure the sections using the supplied hex head bolts.
2. Attach the center wall mount bracket to the frame.
3. Mount the frame to the wall using the attached wall mount brackets. If possible, attach to wall studs. Alternately, use hollow wall anchors or molly bolts appropriate for the weight of the screen and frame assembly.

Note: Since the unit is curved, 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 CineCurve mounting brackets any place along the strips, making sure both wooden strips and CineCurve frame are level.

The wooden strips may be:

- ◆ Plywood: 1" thick x 6" high (2.5 cm x 15.2 cm)
- ◆ Fir: 2" thick x 6" high (5 cm x 15.2 cm)

Caution

It is important to distinguish between wall mount brackets and back braces.

All wall mount brackets must be used to properly support the unit. The back braces are used for dimensional accuracy and are not designed to support the weight of the unit. (Refer to Figure 1)

4. Make sure the frame is level and plumb.
5. Attach the screen to the securely mounted frame (see page 8).

Note: Ensure that after you attach the screen you can access the motor and encoder cables for attachment to the BRIC controller.

6. When you are ready to connect the motor and encoder cables, refer to the BRIC manual.

MOUNTING THE FRAME (CONTINUED)

Caution

- ◆ Be careful not to touch or scratch the image surface with fingernails.
- ◆ Do not use any tools to fasten the screen to the frame.
- ◆ Do not fold or crease the screen.
- ◆ Only support the screen roll from gripping the core, which protrudes from each end.
- ◆ Do not grasp the screen fabric to support the screen roll.

You will need at least two people, one to support the screen, and one to snap 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. The screen fabric attaches to the frame with snap fasteners.

1. Remove the screen from the cardboard shipping tube.
2. Locate the snaps on the inside of the frame. (The CineCurve is designed so that the screen is attached from the viewing side of the frame, after the frame is securely mounted.)
3. While supporting the screen roll, snap the screen into the frame starting at the top left. Gently allow the screen to stretch onto the snaps. Do not jerk, wrinkle or crease the screen material, as it can be damaged. Refer to Figures 2 and 3. Attach the snaps on the top corners and top horizontal section first, unrolling the screen as you go.
4. Attach remaining snaps.

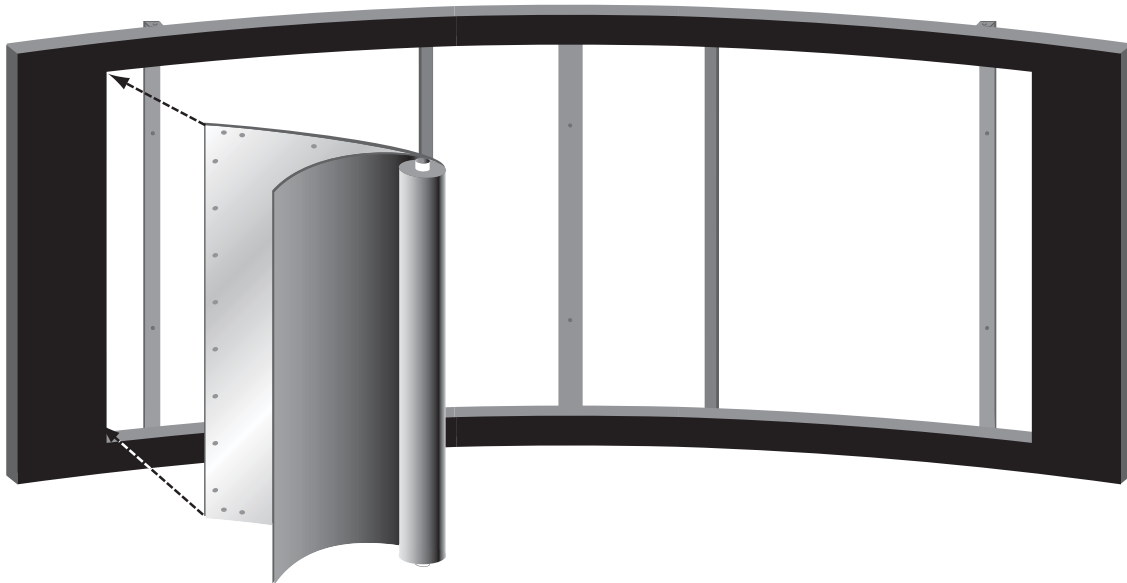


Figure 2: Unrolling the Screen for Attachment to the Frame

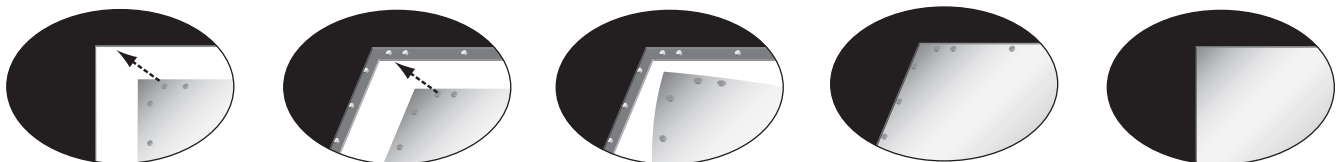


Figure 3: Details of Screen Attachment

OPERATING THE CINECURVE

CineCurve operation is controlled by a Stewart Filmscreen BRIC. Refer to the BRIC manual for details. You can use either a hand-held remote control or a wall mounted keypad to operate the masks.

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 projection 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 Filmscreen has an optional screen cleaning kit that contains the proper type of brush. Contact your dealer if you would like to obtain this 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 gently lift off the stain. Never use an aggressive scrubbing action as you could damage the screen surface by removing the optical coating. Remoisten the area with clean water and dab dry with a clean sponge or cotton cloth. Any residual watermarks will evaporate on their own in 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.
- ◆ Do not fold or crease the screen.

VeLux™ Covering

- ◆ VeLux is the velvet material covering the frame.
- ◆ Use a lint roller to remove particles from the VeLux.
- ◆ A brush may be used to comb (lift) the nap of the VeLux material to help eliminate depression marks.

Replacement Parts & Service

No user-serviceable parts are contained within the unit. Contact your dealer or the factory if you require part replacement or service.

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 Corporation (310-784-5300) Toll free (800-762-4999).

Problem Description	Probable Cause	Action To Take
Dirt, fingerprints, marks, etc. on screen surface.	Improper handling of screen.	Lightly brush off or use a mild detergent solution with a clean rag or cotton swab.
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 hook-ups including all outboard wiring.
When retracting the masks, grinding noise occurs.	Drop in voltage.	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 3rd party control is not operational.	Check to see if the circuit breaker has switched off. Reset if needed. Check outboard switching apparatus. Check voltage availability. Contact an electrician. Check for correct pinout, wiring & serial strings.

LIMITED ONE YEAR WARRANTY

STEWART FILMSCREEN CORPORATION (Stewart) warrants its Stewart Filmscreen products to the original purchaser only, 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, provided they are properly operated and maintained according to Stewart instructions and are not 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 incident 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 yourself 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 and 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 (310-784-5300) Toll free (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.



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