

# CineCurve

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## Owner's Manual



- TO THE OWNER
- INSTALLATION INSTRUCTIONS
  - OPERATING THE SCREEN
  - MAINTENANCE

Printed in U.S.A.

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# CineCurve

## Owner's Manual

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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, it will help ensure you many years of trouble-free service from your new Stewart Filmscreen product.

### **About the CineCurve**

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Your CineCurve features a 2.40:1 aspect ratio to allow full enjoyment of images in this dramatic, super-widescreen format produced by a projector with an anamorphic lens.

To accommodate other 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 NTSC 4.3, widescreen, and HDTV 16:9 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**

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The CineCurve uses the Stewart Filmscreen BRIC for operation 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.

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# PREPARING THE INSTALLATION

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## Preparation

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Specifications regarding the individual screen dimensions, weight, mounting type, and controls are provided by the factory when the unit is ordered. Before beginning the installation:

- ◆ Check the specifications for the frame and mounting to be used.
- ◆ 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 the mounting procedure. You need at least two people to mount the frame and attach the screen.
- ◆ 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:

- ◆ Gloves, for handling the screen
- ◆ Ladders for the personnel supporting the screen during the mounting process, as needed
- ◆ A level
- ◆ Fasteners appropriate for the surface on which the screen is being mounted
- ◆ Drills for making holes to attach brackets to the mounting surface, as needed
- ◆ Tools for tightening fasteners, including a hex head wrench

**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

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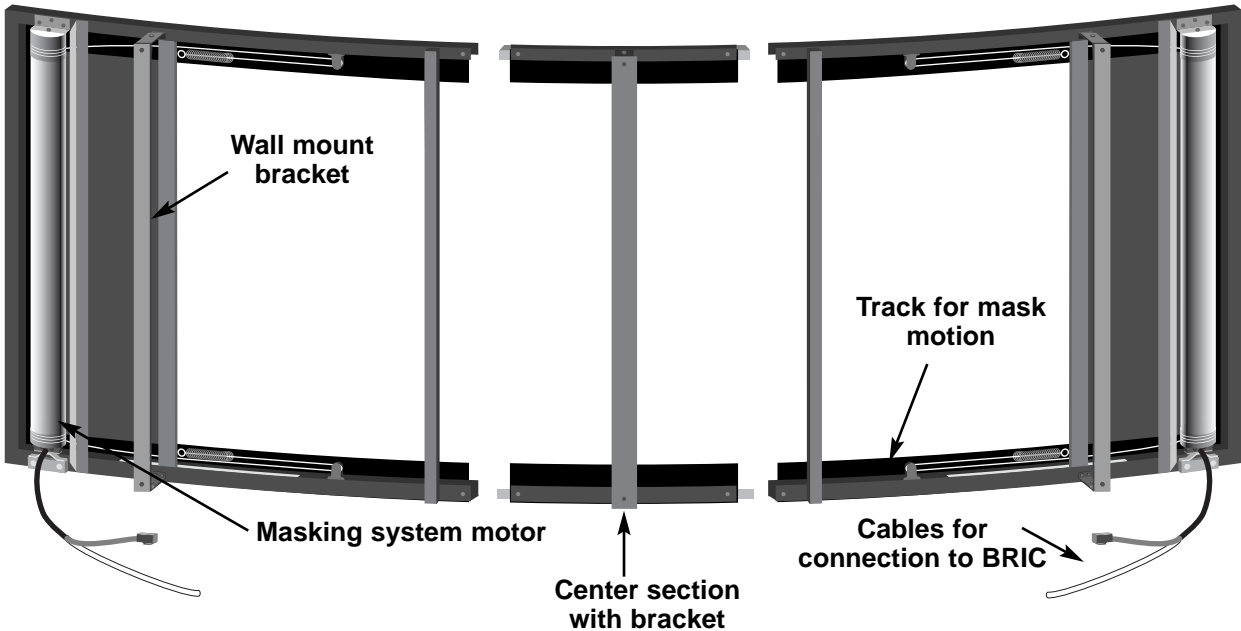
Be sure to unpack carefully in a clean area. Use special care when handling the screen so that it does not become soiled or damaged.

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## CineCurve components

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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.** CineCurve Components, rear view

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.

Since the unit is curved, there is room on a flat wall to attach horizontal strips of wood. You can use:

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

Use the wood strips to bridge between existing stud locations on the surface of the wall to provide a firm surface for attaching the outer wall mount brackets, which are located 12" (30.4 cm) in from each vertical edge of the frame system.

Making sure that all wall mount brackets are properly anchored, and are following a true horizontal and vertical level in orientation, is the best way to insure smooth, quiet, and accurate movement of the masking panels.

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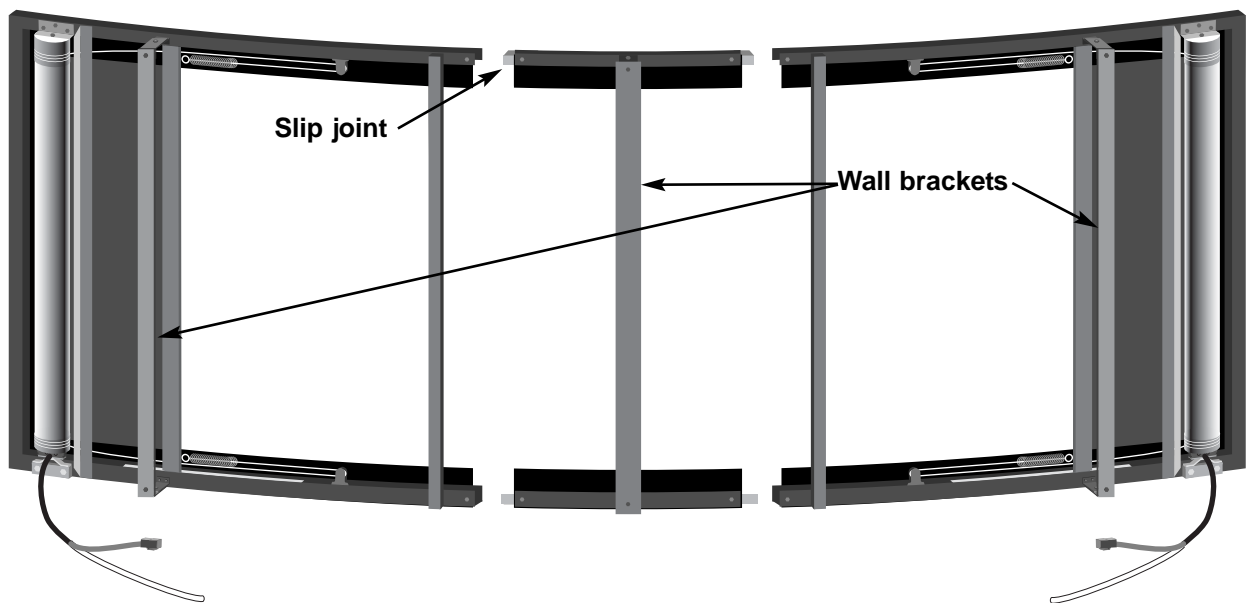
## FRAME ASSEMBLY AND WALL MOUNT

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**Professional mounting techniques should be used. Stewart Filmscreen Corporation cannot be liable for substandard or faulty installations.**

This section describes assembly and mounting of the CineCurve frame. Refer to Figure 2.

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. If possible, attach to wall studs. Alternately, use hollow wall anchors or molly bolts appropriate for the weight of the screen and frame assembly.
4. Make sure the frame is level and plumb.
5. 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.



**Figure 2.** Unassembled frame; rear view

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## ATTACHING THE SCREEN TO THE FRAME

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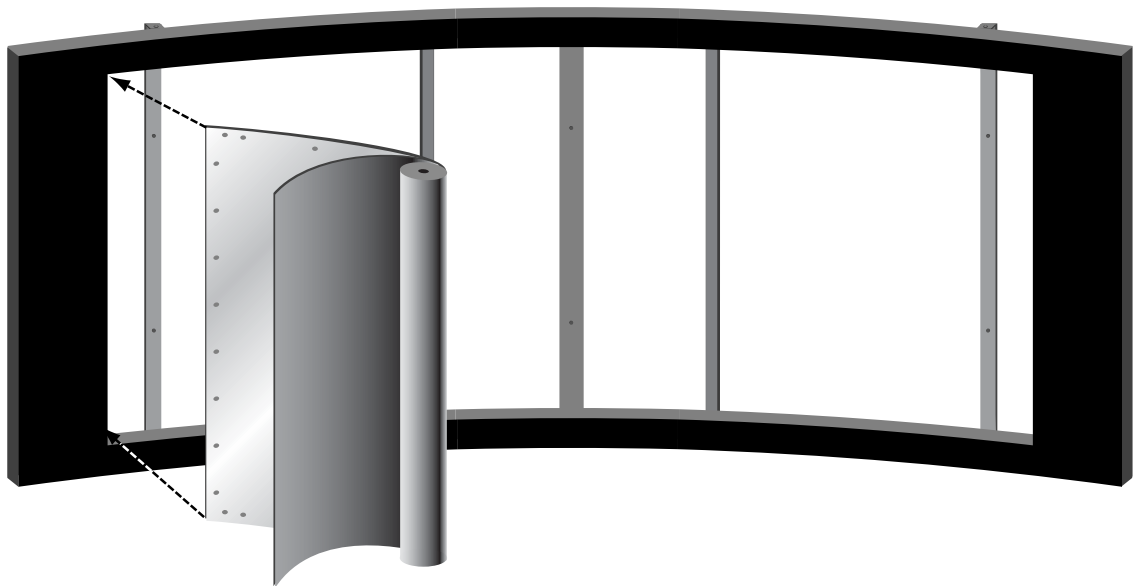
This section provides instructions for attaching the screen to the frame.

### Caution

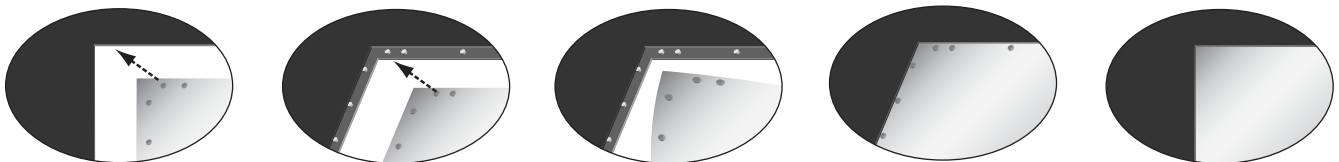
- ◆ **Be sure your hands and clothing are clean. Use of gloves is recommended. Be careful not to touch or scratch the image surface with fingernails.**
- ◆ **Do not use any tools to fasten the screen to the frame.**
- ◆ **Do not fold or crease the screen.**

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. Look at the frame and locate the snaps.
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 the material, as it can rip. Refer to Figures 3 and 4. Attach the snaps on the top corners and top horizontal section first, unrolling the screen as you go. Attach remaining snaps.



**Figure 3.** Unrolling the screen for attachment to the frame



**Figure 4.** Details of screen attachment



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## OPERATING THE CINECURVE

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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.**

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## SCREEN CARE AND CLEANING

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### **General maintenance**

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. Stewart Filmscreen has included a screen cleaning kit that contains the proper type of brush.
- ◆ 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. Do not use scrub or use pressure; instead, use a soaking and lifting action.
  - Residual water marks will evaporate within a few minutes. Do not dry the screen with a cloth.

Do not use any other cleaning materials on the screen. Contact the factory if you have questions about removing difficult spots.

### **Caution**

**Do not use chemicals, solvents, or liquid cleaners to clean the screen or VeLux.**

### **VeLux covering**

- ◆ Use a lint roller to remove particles from the VeLux material.
- ◆ A brush can be used to comb (lift) the nap of the VeLux material to help eliminate depression marks.
- ◆ Do not use chemicals, solvents, or liquid cleaners to clean the VeLux.

### **Replacement parts and service**

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

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## TROUBLESHOOTING

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With reasonable care, you may expect many years of trouble-free use of your Stewart projection screen.

Refer to the following guidelines if you encounter a difficulty in the operation of your Stewart screen. 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 the Stewart Filmscreen Corporation.

<b>Problem description</b>	<b>Probable cause</b>	<b>Action to take</b>
Dirt, finger prints, marks, etc. on screen surface.	Improper handling of screen.	Brush off or use a mild detergent solution with 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.

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## PRODUCT WARRANTY

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### **LIMITED ONE (1) YEAR WARRANTY ON STEWART FILMSCREEN CORP PROJECTION SCREENS SYSTEM**

STEWART FILMSCREEN CORPORATION (Stewart) warrants its screens 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.) as well as product that have been tampered with or repaired by any person or third party installation, other than authorized Stewart personnel.

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 and 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 Screen, 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 in excess of the purchase price of the product sold.**

Printed in USA. Rev. 12/14/10

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January 2011  
Printed in U.S.A.  
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