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www.stewartfilmscreen.com

Cine-W

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 Cine-W

Your Cine-W fixed frame supports superwide formats such as Cinemascope. The frame acts as a projection overscan border. The VeLux finish is designed to absorb any overscanning.

The screen fabric attaches to the frame using hooks and grommets.

The standard mount is a wall mount; other options include T-stand self-supporting and stage fly (hanging) mounts.

Using this manual for installation

If you are using this manual to install the Cine-W, you should be aware that it describes procedures for several types of mounts. You must refer to the section for the type of screen mount. In addition, there are instructions for attaching the screen to the frame that are provided in a separate section. This procedure is to be performed at a specific step in the overall sequence.

For the **frame and mount** type, refer to the appropriate section:

- ◆ Wall mount
- ◆ Stage fly (hanging mount)
- ◆ T-stand

At the designated point in the installation, you will need to refer to the general instructions for **attaching the screen** to the frame.

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

This section describes assembly of a wall mount screen.

Assembling the frame

1. Connect the frame members by matching the colored, numbered dots on the ends of the frame pieces. Refer to Figure 1.
2. Secure frame members with the supplied 5/8" hex head bolts.

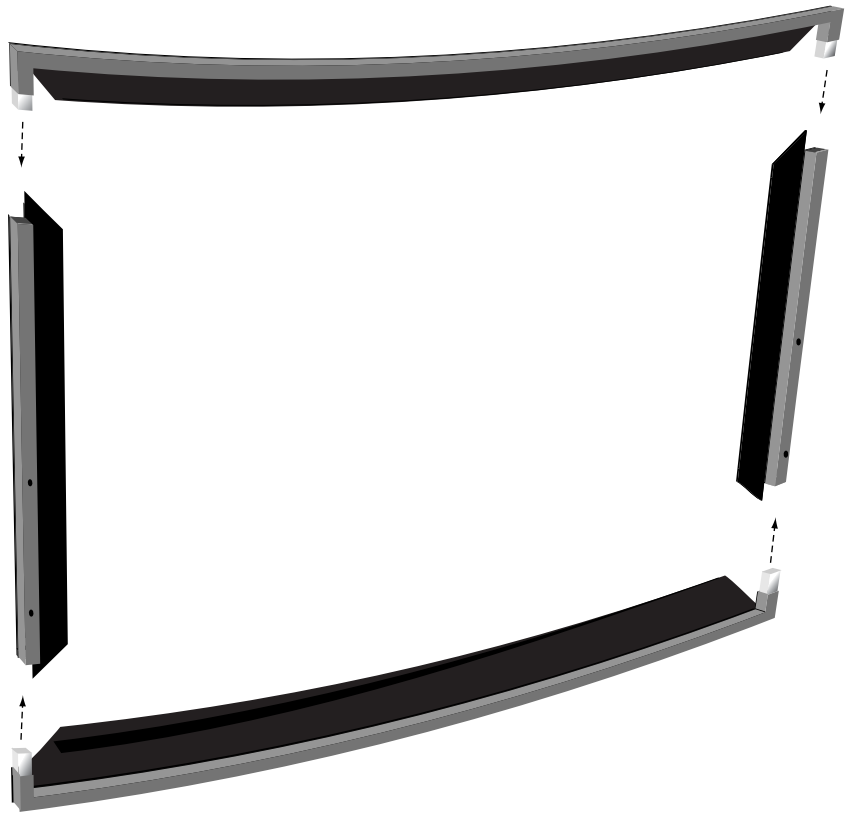


Figure 1: Assembling the frame

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3. During shipping, the frame brackets are attached to the wall mount brackets. Detach the frame brackets from the wall mount bracket and attach them to the frame using two 1/4-20 Allen head machine screws per bracket. See Figure 2.
 4. Bolt wall brackets to the frame using the supplied 5/8" hex head bolts.

Notes:

Depending on the size of the screen, the number of wall brackets may vary.

This is a temporary attachment of the wall brackets to the frame for the purpose of positioning the frame and brackets on the wall.

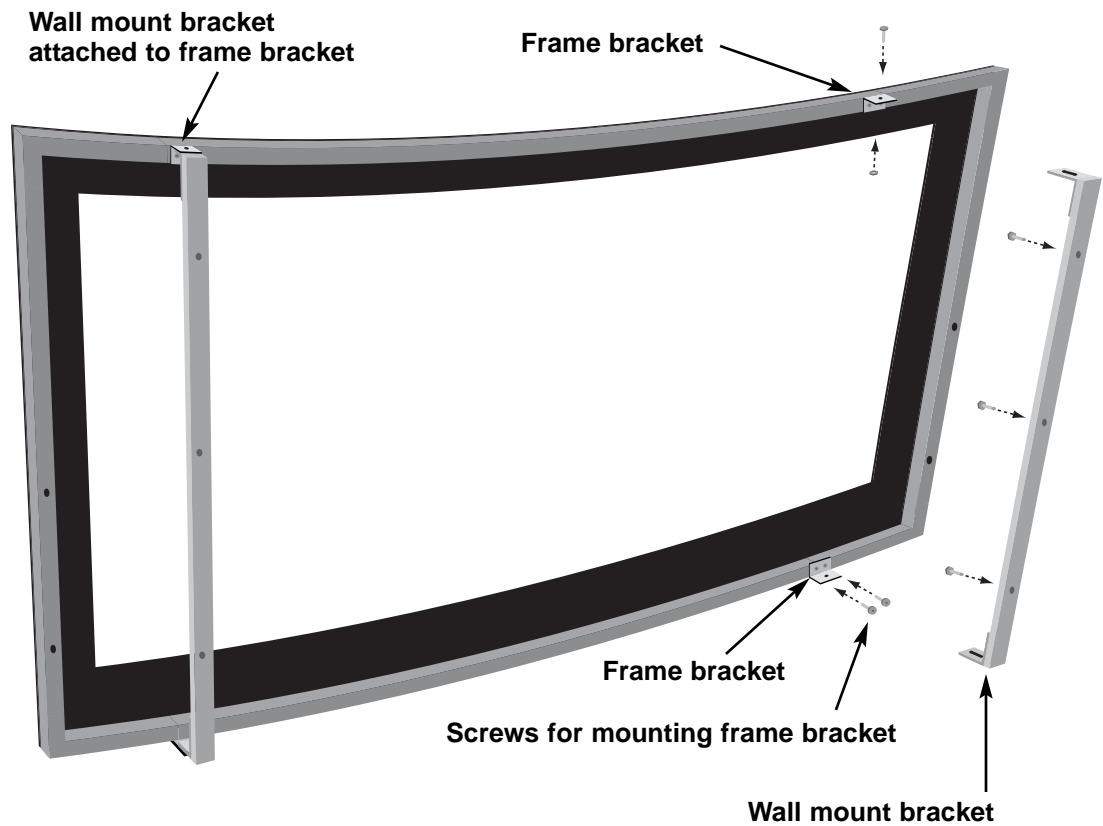


Figure 2: Attaching wall mount brackets

Positioning the frame and wall brackets

To accurately position the frame, you must temporarily attach the wall brackets to the frame, and then position the frame on the wall.

1. Without the screen fabric attached, position the frame and brackets on the wall. Refer to Figure 3.
2. Make sure the unit is level and plumb. (You may need to use shims between the brackets and the wall to achieve vertical plumb).
3. Mark the position of the bracket holes on the wall.
4. Drill holes in the wall as needed.
5. Remove the brackets from the frame and attach them to the wall using the appropriate fasteners (hex lag screws, wall anchors, molly bolts, wood carriage screws, etc.). Refer to Figure 3.

Note: Later, when the screen fabric is attached to the frame, you will re-attach the frame to the brackets on the wall.

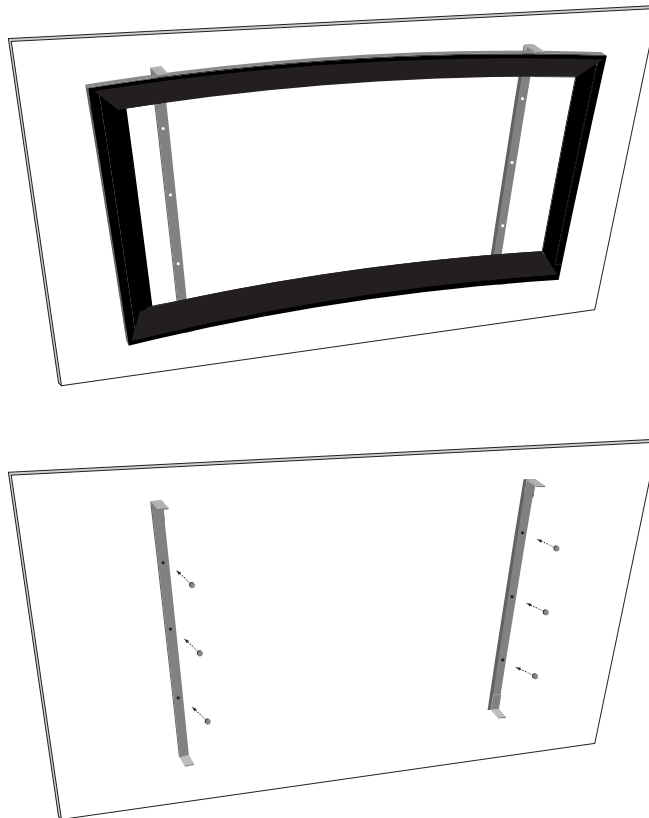


Figure 3: Attaching wall brackets to the wall

Hanging the frame and screen on the wall

1. Go to the section “Attaching the Screen to the Frame” and attach the screen.
2. Attach the frame, with the screen attached, to the previously mounted wall brackets using the 5/8” hex head bolts.

STAGE FLY (HANGING) MOUNT

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

As an alternative to the wall mount, you can use the stage fly mount to suspend the screen.

1. Assemble the frame. Refer to the section “Assembling the Frame” and Figure 1.
2. Go to the section “Attaching the Screen to the Frame” and attach the screen.
3. Hang the frame from the eyebolts as shown in Figure 4.

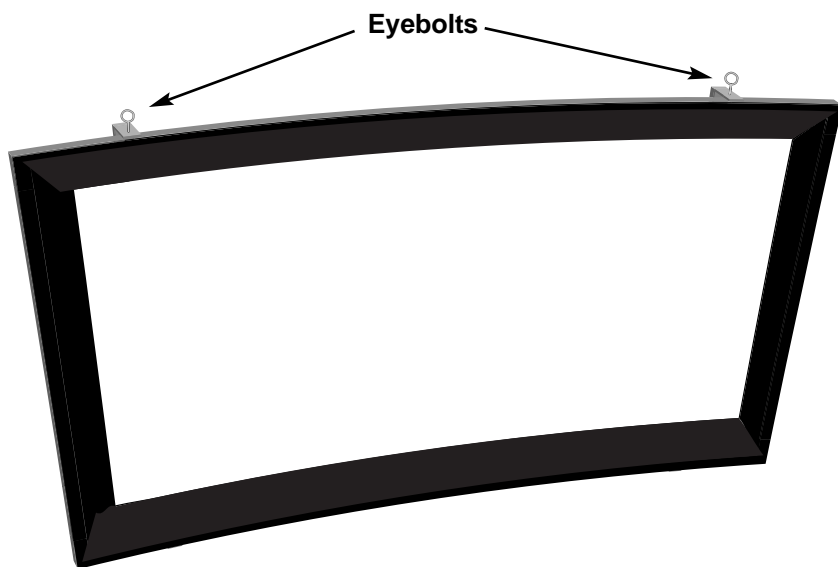


Figure 4: Completed stage fly mount installation

This section describes assembly of a self-supporting Cine-W.

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

Assembling the frame and attaching T-stands

This sections describes how to mount the Cine-W on T-stands.

1. Connect the frame members by matching the colored, numbered dots on the ends of the frame pieces. Refer to Figure 1.
2. Secure with the supplied bolts.
3. Use the T-stand knobs provided to attach the finished screen to the T-stands. Refer to Figure 5.
4. Hand-tighten the knobs.
5. Go to the section “Attaching the Screen to the Frame” and attach the screen.

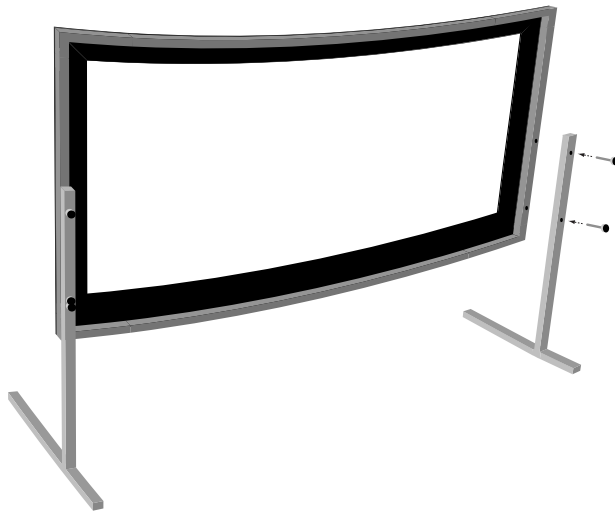


Figure 5: T-Stand

ATTACHING THE SCREEN TO THE FRAME

This section provides the instructions for attaching the screen to the frame. DO NOT perform this step UNTIL instructed to do so in the section for the specific type of mount you are using.

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.**

Unpacking and unrolling the screen

The viewing side of the projection screen is rolled to the inside to protect the optical coating. The screen is rolled lengthwise.

1. Remove the screen from the cardboard shipping tube.
2. On a clean flat surface, unroll screen viewing side up.

Attaching the screen to the frame

You will attach the screen to the top left corner of the frame first, then along the top, then the sides, then the bottom. Read the tips and follow the procedure sequence.

Tips for attaching the screen to the frame

Read all instructions prior to beginning.

- ◆ During packing and transit, the screen may shrink. The Stewart screen material has some elasticity, and will stretch and spring back. The grommeted edge binding will not stretch past the manufactured outer dimensions. After the screen is attached to the frame, some tension will be apparent at each grommet.
- ◆ Handle the screen carefully. Avoid contact of the screen fabric with fingernails. Grasp the screen edge binding only.
- ◆ As you finish attaching each section, take a moment to pause and inspect the screen to ensure that it is not pulling or stretching in such a way that it may tear.

Procedure

1. Provide a secure support for the frame as you attach the screen. For example, lean the frame against the wall, or attach the frame to the T-stand.
2. Starting at the top left corner, attach S-hooks to the grommets to make a proper corner fit. Starting at the top left corner, attach two to four hooks down the side and across the top. Do not allow the weight of the screen to rest on any one hook during this time.
3. Attach the center top S-hook, and the top right S-hook so that the screen is supported. The screen center line is marked with a red grommet at the frame center.
4. Along the top, attach alternate S-hooks to grommets along the top from the top left to the center top.

As you work, inspect the screen to ensure that it is properly attached and not overstretched.

When the middle S-hook is attached to the center top grommet, the grommet should be within 1 to 2" (2.5 to 5 cm) of the center of the screen. If the center hook is short of the center grommet, continue attaching the hooks along the top until you reach the end. You will need to adjust the screen on the frame before attaching the sides. Shift the S-hooks one grommet at a time to move the screen sideways on the frame. When the screen is centered on the frame, you can proceed with the sides.

Skip S-hooks if you need to develop enough slack in the shock cord to hook the grommet without creating too much tension. If you feel that you are pulling on the screen or the shock cord too much, attach only the hooks that allow for minimal tension to give the material enough time to stretch before attaching the skipped hooks.

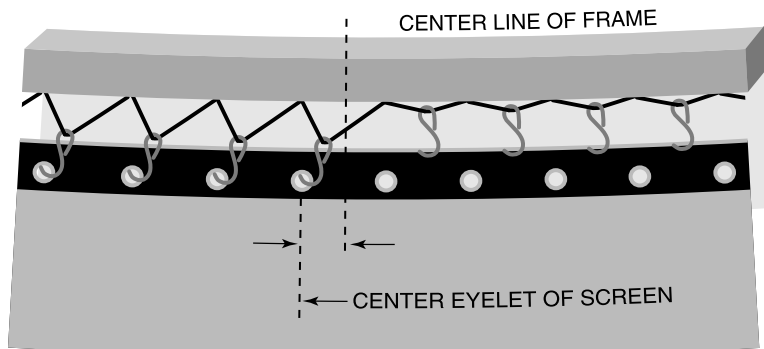


Figure 6: Attaching the screen

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5. Attach the screen to the sides of the frame, attaching every other S-hook from the top to the center. If the screen edge is more than 1 to 2" (2.5 to 5 cm) from the frame on the right side, allow a few minutes for the screen to stretch before continuing. Tension should be even; the top of screen and frame should be parallel.

Attach the S-hooks on the left side, from top to bottom.

Attach the S-hooks on the right side, from top to bottom.

6. Inspect the screen to ensure that it is properly attached and not overstretched. Check for even tension.

7. Attach the screen to the bottom of the frame, using the techniques described below.

Begin attaching the bottom in the corners, being careful not to put too much tension on any grommets.

Work from the left corner toward the center, attach every other S-hook.

If there is too much tension, wait to allow the screen time to stretch as needed.

Starting at the right corner, attach the every other S-hook along the bottom, working toward the center.

8. When screen fabric is sufficiently stretched, attach all remaining S-hooks along the top, sides, and the bottom.
9. Make a final inspection of the screen to verify that it is attached properly and the corners are free from uneven tension. Excessive stress (improper screen alignment) will cause tears to eventually develop.

TROUBLESHOOTING

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 Filmscreen. 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.

Problem description	Probable cause	Action to take
Dirt, fingerprints, marks, etc. on screen surface	Improper handling of screen	Brush off or use a mild detergent solution with clean rag or cotton swab.
Perimeter or corner wrinkling	Screen not properly centered onto frame	Readjust screen mounting as required. Check all center attachment points.

SCREEN CARE AND CLEANING

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

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. (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, 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 the factory if you have questions about removing difficult spots.

Caution

Do not use chemicals or liquid to clean the fabric.
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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.

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.

PRODUCT WARRANTY

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 merchant ability. Any implied warranties of fitness for use, or merchant ability, 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.

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