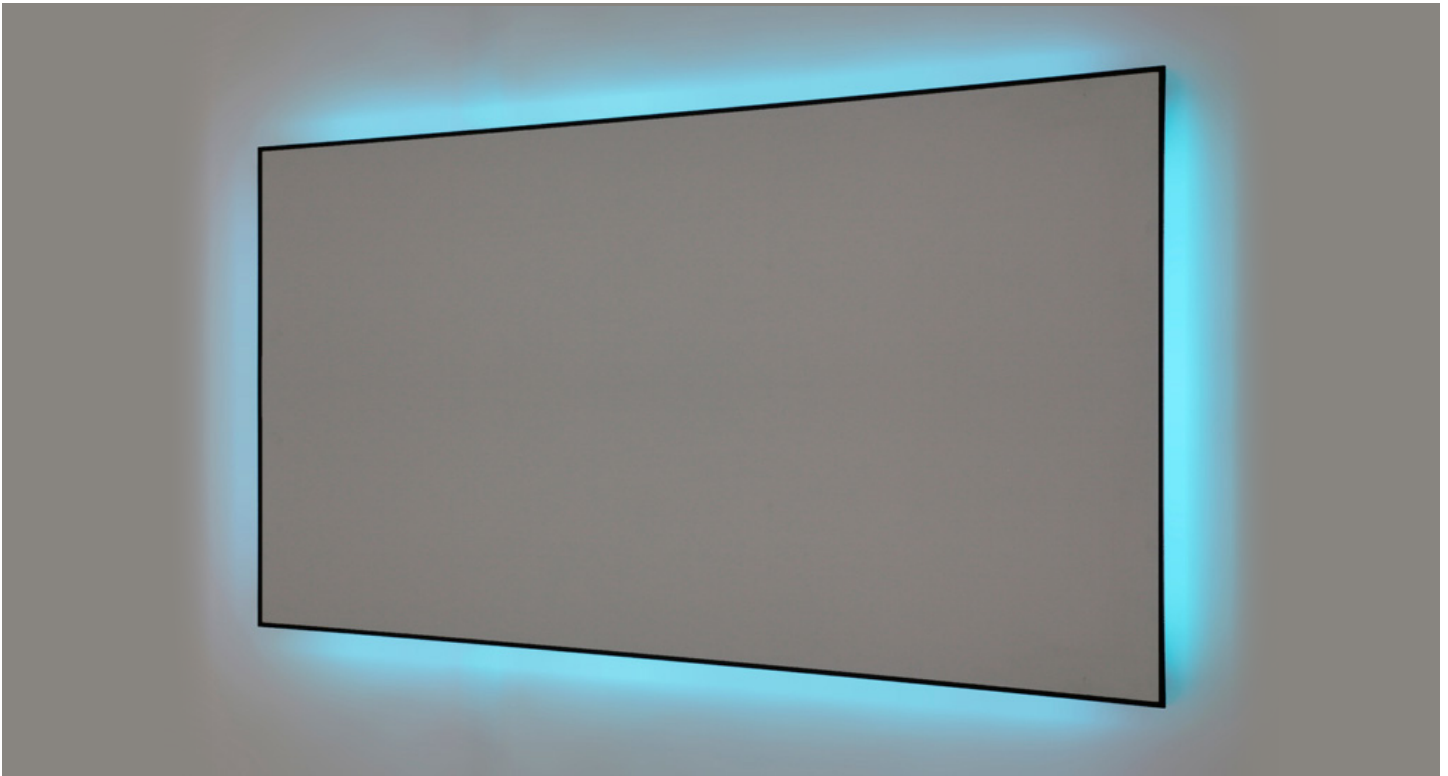


LuminEsse

Rigid, Front Projection Screen System



Stewart
FILMSCREEN

The Reference for Stunning™

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www.stewartfilmscreen.com

LuminEsse

OWNERS MANUAL

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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 doing so will help ensure many years of reliable service.

ABOUT THE LUMINESSE

LuminEsse fits modern expectations for more viewing image and less visible framing, providing a sleek appearance, even when not being viewed. The LuminEsse front projection screen features an optional LED backlighting kit that goes beyond “wow” to make viewing more enjoyable. Scientifically speaking, the LED lighting acts as bias lighting, relaxing the iris of the eye and causing less strain during extended viewing. When the screen is on, the multicolored perimeter lighting enriches onscreen content. When off, the lighting can be used to set the mood of the room.

This screen is available in sizes up to 120-inches (diagonal) in HD formats, and in sizes up to 151-inches (diagonal) in Cinemascope® configurations. The LuminEsse rigid front projection screen system utilizes Stewart’s wall mount system, making screen installation easy, simple and fast.

USING THIS MANUAL FOR INSTALLATION

If you are using this manual to install the LuminEsse, be aware that it describes procedures for two types of mounting options. Refer to the appropriate section for either mounting option.

- ▶ EZ Mount Bracket System
- ▶ T-Stand (Self-Supporting)

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 lay the screen.
- ▶ 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 smaller screens. More people are needed for larger, heavier screens.

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. Retain the packing material for future use if needed.

EZ MOUNT BRACKET SYSTEM

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

⚠ CAUTION

Be careful not to touch or scratch the viewing surface!

1. Identify the location of wall studs where you can securely mount the hanging bar.
2. Use a level to accurately position the hanging bar on the wall.
3. Drill holes through the bar into the studs.
4. Use the provided 2" screws or other appropriate fasteners to secure the hanging bar to the wall studs.

Note: A minimum of three (3) screws are recommended to safely secure the frame.

5. Check to make sure the bar is level.
6. Hang the screen on the hanging bar to ensure that it is correctly mounted.
7. Mark on the wall where you will mount the steel pucks to studs that will align with the magnets fastened on the frame.

Notes: Find studs that allow the pucks and magnets to be positioned approximately 12" to 24" from the edge of the frame on each side. If the wall is not perfectly flat, the force of the magnet may cause the frame to bend. For this reason, shims can be used to place between the wall and the steel pucks so that the frame lays completely flat.

8. Remove the frame. Drill into the studs and mount the steel pucks with the provided 2-3/8" screws or other appropriate fasteners. Use shims as needed.
9. Reposition the frame, slide and secure the magnets so they align with the steel pucks mounted on the wall.
10. Your LuminEsse is now ready to hang in its final position. See figures 1-3 on page 7.

EZ MOUNT BRACKET SYSTEM (CONTINUED)

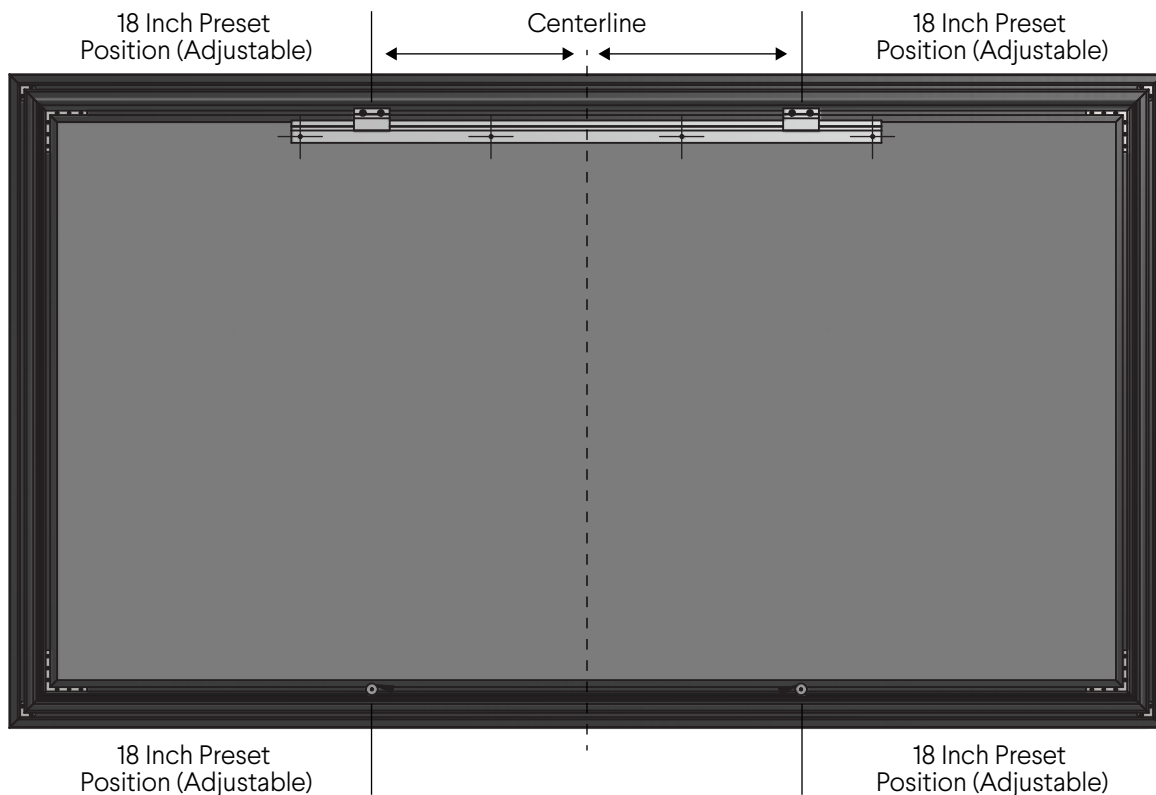


Figure 1: LuminEsse with Fitted Hanging Bar - Rear View

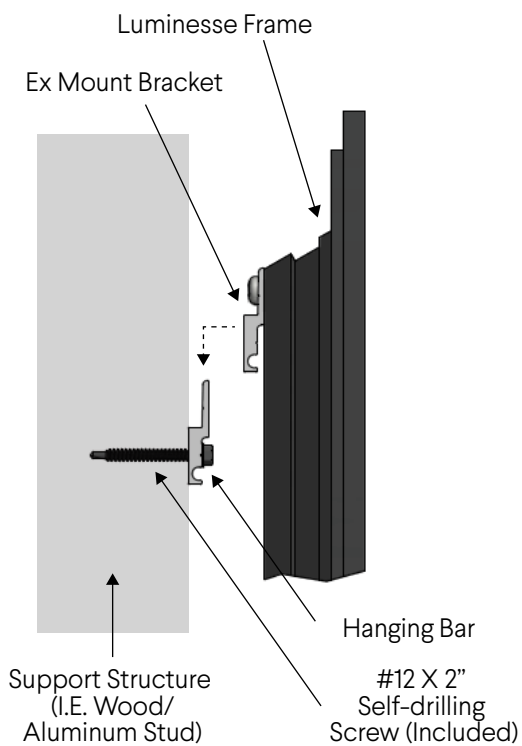


Figure 2: Wall Mounting - Side/Top View

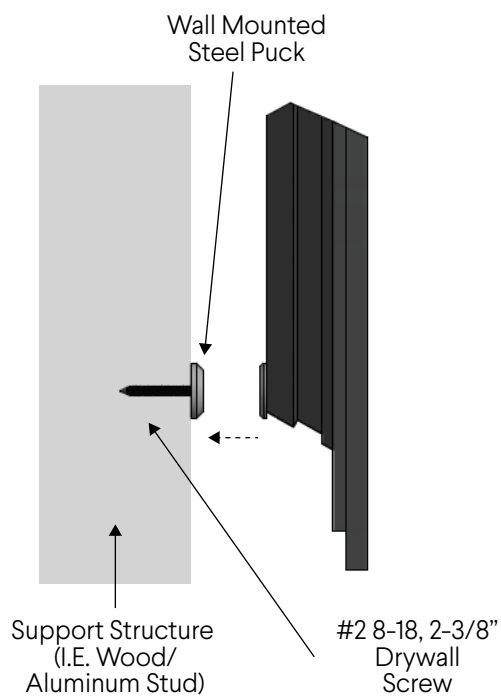


Figure 3: Wall Mounting - Side/Bottom View

T-STAND (SELF-SUPPORTING)

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

1. Use the T-Stand knobs provided to first attach the vertical members to each base. Then attach the finished screen to the T-Stands. The through holes on each vertical member should run parallel to the base.
2. Hand-tighten the knobs

⚠ CAUTION

Be careful not to touch or scratch the viewing surface!

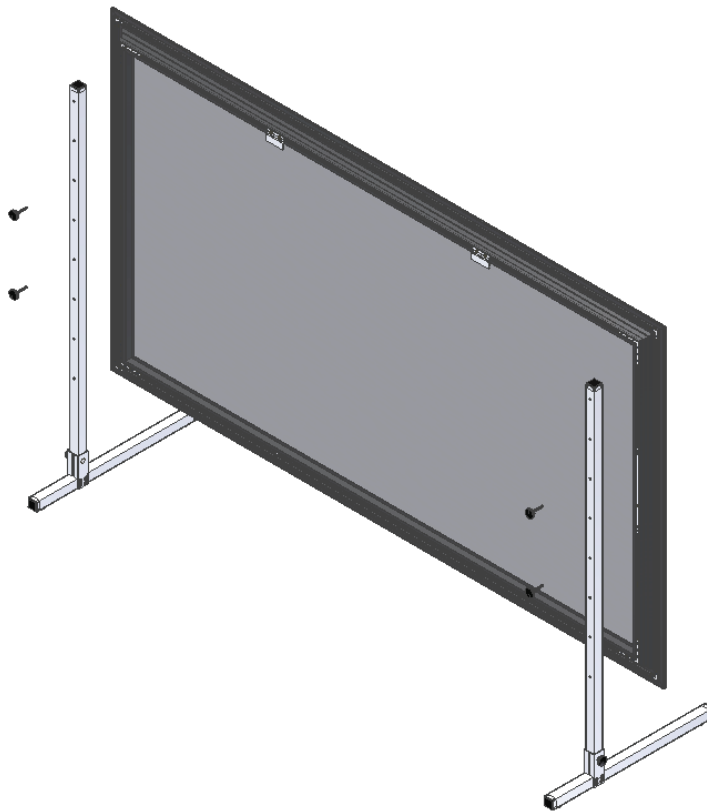


Figure 4: Attaching T-Stand knobs, standard screen attachment

OPTIONAL LED KIT CONNECTIONS & OPERATING INSTRUCTIONS

Technical Parameters (remote control):

- ▶ Power supply AAA batteries (2)
- ▶ Cover material ABS

Technical Parameters (controller):

- ▶ Working voltage DC12V-24V
- ▶ Output control 3 circuits (R/G/B)
- ▶ Control current 6A/circuit
- ▶ Connection method Common anode
- ▶ Dimensions L85xW45xH22mm
- ▶ Receiving range 30 meters

Functions of Keys:

- ▶ Key 1 on/off
- ▶ Key 2 light changing mode (15 modes)
- ▶ Key 3 color light/white light switching mode
- ▶ Key 4 turn up (brightness/speed)
- ▶ Key 5 turn down (brightness/speed)

How to Use:

- ▶ Plug in unit (Please note standard, provided power supply is capable of handling 100-240V AC at 1.5A and 50/60Hz, designed for a standard U.S. receptacle. Please contact a Stewart representative for additional help.)
- ▶ Press Key 1 to turn on/off in any state
- ▶ Press Key 2 to activate light changing mode, keep pressing for different programs. There are 15 programs in total. (See Color Mode Chart below)
- ▶ Press Key 3 once to activate white light mode, you can change brightness by pressing Key 4 or Key 5. Press Key 3 twice to activate color ring, changing brightness by pressing Key 4/Key 5 or changing light color by touching the color ring.

To Pair Remote to Controller:

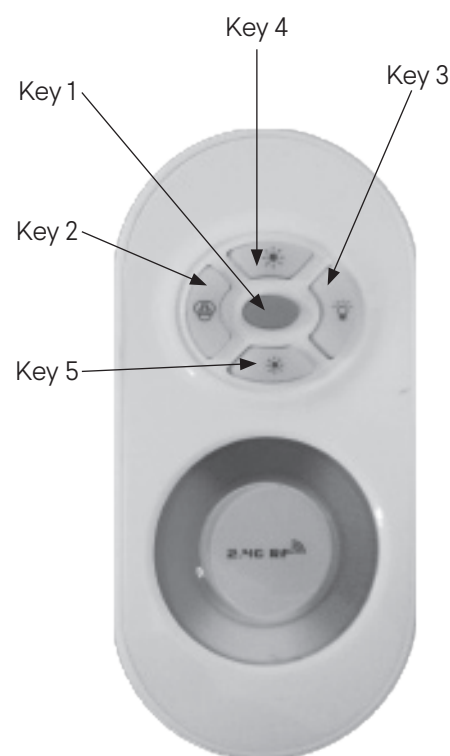
- ▶ Press Key 4 once when power is supplied to the controller (within 2 second), and the light will blink three times if pairing is successful.

To Unpair Remote to Controller:

- ▶ Press Key 4 five times when first switched on, again, the light will blink six times if clearing is successful.

Color Mode Chart

| | | | | | |
|---|-------------------------------------|--------------------------------------------------------------|---|---------------------------------------|-------------------------------------------------------------|
| 1 | Auto color changing | 8 grades of brightness to adjust by pressing Key 4 or Key 5. | | | |
| 2 | Three colors jump to change | 8 grades of speed to adjust by pressing Key 4 or Key 5 | 1 | Green color jumps to change | 8 grades of brightness to adjust by pressing Key 4 or Key 5 |
| 3 | Seven colors jump to change | | 2 | Yellow color jumps to change | |
| 4 | Three colors jump to gradual change | | 3 | Cyan color jumps to change | |
| 5 | Seven colors jump to gradual change | | 4 | White color jumps to change | |
| 6 | Red color jumps to change | 8 grades of brightness to adjust by pressing Key 4 or Key 5 | 5 | Red/blue light twinkles alternately | 8 grades of speed to adjust by pressing Key 4 or Key 5 |
| 7 | Blue color jumps to change | | 6 | Green/blue light twinkles alternately | |
| 8 | Purple color jumps to change | | 7 | Red/green light twinkles alternately | |



You can move your finger to choose any color you like along this color ring.

⚠ DO NOT COVER THE COLOR RING WITH YOUR HAND WHILE INSTALLING THE BATTERIES.

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.

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 | Cause | Action Steps |
|----------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 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. |
| LED Lights do not operate (LED Light Kit Optional) | Faulty connections or the remote transmitter is not functioning | Check voltage supply and connections. Check batteries in the remote transmitter and replace them, if needed. |

LIMITED ONE YEAR 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 (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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