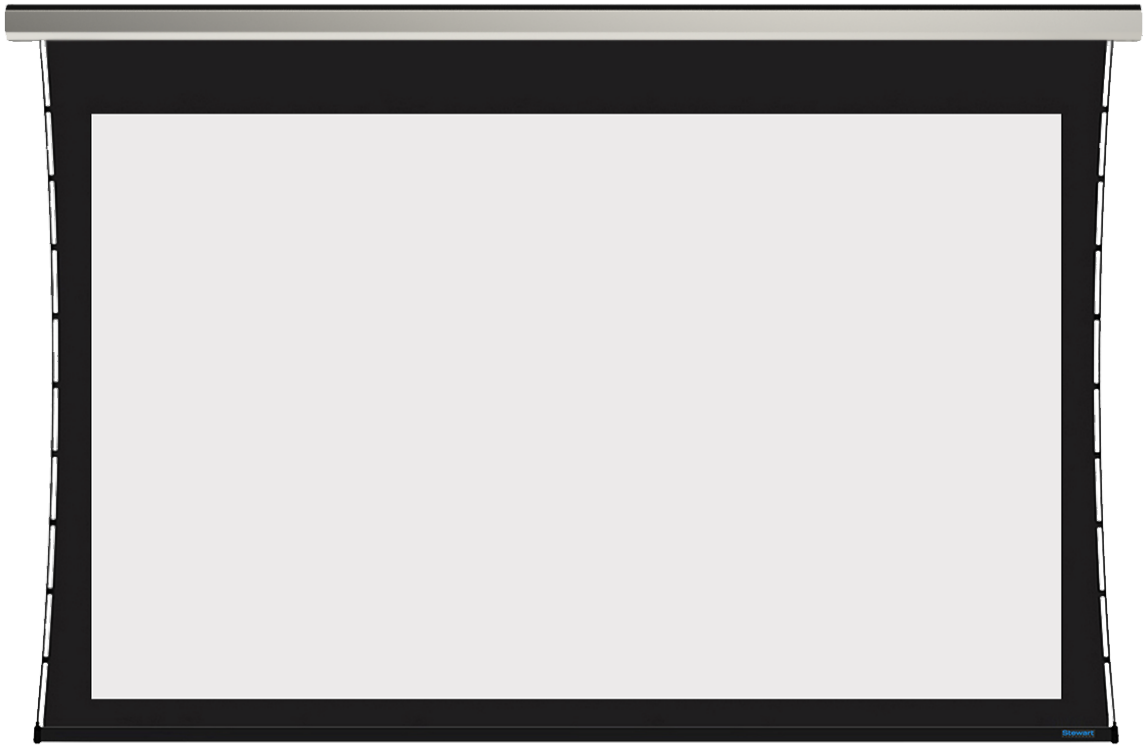
OWNERS MANUAL

RS1

Retractable Screen (RS), Below Ceiling



Stewart FILMSCREEN

The Reference for Stunning™

RS1

OWNERS MANUAL

Contents

TO THE OWNER

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

Your handcrafted RS1 projection screen has been carefully inspected to ensure your optimal viewing experience will last for 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 RS1. 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.

ABOUT RS1

The reintroduction of our beloved RS1 offers a premium, minimalist, below ceiling viewing experience. Newly re-imagined, streamlined options, and straight forward control system makes the RS1 easier to install and enjoy than ever before. With a winning combination of your choice of both control and mounting options, and with Stewart's world-renowned premium screen materials, this screen is one of our most popular selling, below ceiling screens.

NOTE

This owner's manual may describe options and features not equipped to the specific screen you have purchased.

IMPORTANT SAFETY INFORMATION

- Carefully read the instructions appropriate for your needs.
- This screen must be installed by a qualified electrician.
- For supply connections, use wires rated for at least 75 C.
- Use copper or aluminum conductors.
- 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. You can use up to a 20 amp maximum circuit breaker with adequate short-circuit breaking capacity for your installation.

USING THIS MANUAL FOR INSTALLATION

- If you are using this manual to install the RS1 screen, you should be aware that it describes procedures for three types of mounting options. You must refer to the section for the type of mounting option you are utilizing.
- For the instructions related to your specific mounting, refer to the appropriate page:
- Ceiling Mount (Page 9)
- Wall Mount (Page 10)
- Hanging Mount (Page 11)
- For the instructions related to your specific controls, refer to the appropriate page:
- Three button wall switch (Page 13)
- 12 volt projector trigger (Page 14)
- External IMC (Page 15)

PREPARING THE INSTALLATION

Before proceeding with the installation of this screen, take time to thoroughly read and understand these installation instructions. **Failure to comply with the instructions contained in this manual may result in voiding your warranty.**

Specifications

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

Before beginning the installation

- 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 a small screen. More are needed for larger, heavier screens.
- Read everything before you do anything!

What's inside the box?

Inside your RS1 unit box, you will find everything needed to get started enjoying your Stewart screen:

- RS1 unit preassembled and prewired
- Packing material
- RS1 Quick Start Guide
- External Control (IMC) if equipped

You will need

- A level
- A drill
- A drop cloth
- Tools for tightening fasteners
- Two ladders for the personnel supporting the screen during the mounting process
- Fasteners appropriate for the surface on which the screen is being mounted
- Measuring tape
- Pencil

Note: Bolts and other fasteners for the screen are standard gauges and are sizes that are used in the U.S., regardless of the installation country. For this reason, sizes are expressed in inches rather than metric measurements.

⚠ CAUTION

Do not stand on the screen case or store it 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. Note: Failure to comply with the instructions and guidance contained in this manual may result in voiding your warranty.

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 want to photograph or make a note of how it was packed. Retain the packing material for future use, if desired.

The RS1 screen has a special wrap retaining the batten to the case. This wrap may be left in place until after the screen has been mounted. The wrap consists of a foam piece attached to the batten and wrapped behind the case with tape (see Figure 1).

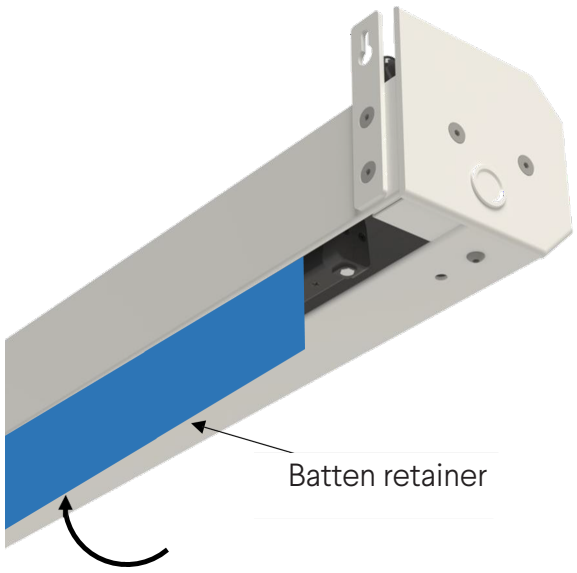


Figure 1. RS1 bottom view with batten retainer installed

⚠ CAUTION

Remove the batten retainer prior to activating the unit. Failure to do so will cause damage to the screen material. **Note: Failure to comply with the instructions and guidance contained in this manual may result in voiding your warranty.**

The following three mounts are all available options when ordering your screen. The option that you ordered will be included in the RS1 box. Refer to the correct mount below, on how to install your RS1 unit

Ceiling Mount

Figure 2. Ceiling Mount

If you selected Ceiling Mount, then you will receive two ceiling mounts that are preinstalled to the top of the RS1 unit. Each mount has two slotted holes to ensure that the unit is securely mounted at each corner (see Figure 2).

Wall Mount

If you selected the Wall Mount, then you will receive two wall mounts that are preinstalled on the back of the RS1 unit on each end. Each mount has one slotted hole pre-machined to accommodate standard #10 screws so that your RS1 unit can be hung similar to a picture frame (see Figure 3). Note: The #10 screws, themselves, are not included.

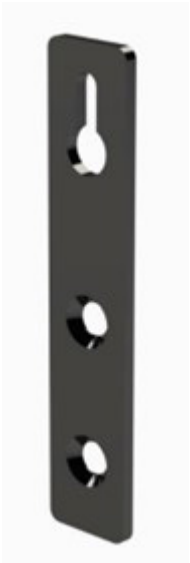


Figure 3. Wall Mount

Figure 4. Hanging Mount

Hanging Mount

If you selected Hanging Mount, then you will receive two eyebolt hanging mounts preinstalled to the top of the RS1 unit's extremities. This mount allows the unit to hang freely off of cables and is most commonly used in locations with very tall ceilings (see Figure 4).

CEILING MOUNT

Professional mounting techniques should be used. Stewart Filmscreen cannot be liable for substandard or faulty installations. **Failure to comply with the instructions and guidance contained in this manual result in voiding the warranty.**

⚠CAUTION

During installation, do not place the unit on an unstable cart, stand, table or ladder. The unit may fall, causing injury to you or others as well as cause possible damage to the unit.

Do not mount to drywall only. There must be wood joists behind the drywall to secure the screen.

1. Use a magnetic stud finder, or similar appropriate means, to identify the location of solid ceiling joists. If the joists or rafters are parallel to the screen case, blocking is required between structural elements.
2. Ensure Ceiling Mount is installed and secured on the top of the RS1 unit (see Figure 5).
3. Mounting hardware must be mounted into solid wood.
4. If no joists are available then the ceiling must be blocked. Lift the case up to the ceiling and fasten the Ceiling
5. Mount into the joists on both ends of the case using two screws on each end (see Figure 6).

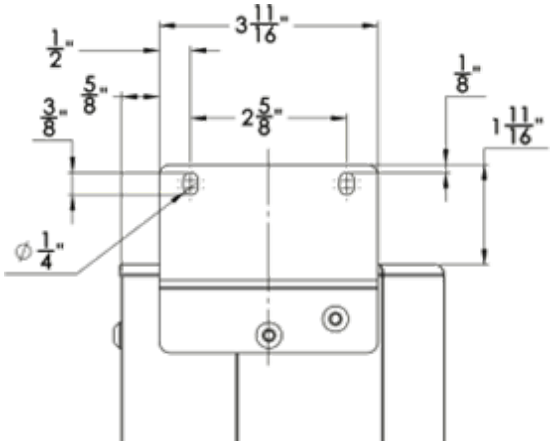
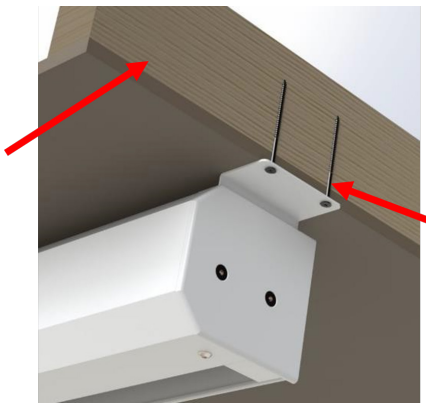


Figure 5. Ceiling mounting details on top of RS1 unit

Warning:
There must be structural support where the unit will be mounted



#10 x 1-½" minimum

Figure 6. RS1 mounted to ceiling joists with Ceiling Mount. **Note:** screws must not be showing, like on the render, the cutaway is for demonstration.

WALL MOUNT

Professional mounting techniques should be used. Stewart Filmscreen cannot be liable for substandard or faulty installations. **Failure to comply with the instructions and guidance contained in this manual may result in voiding the warranty.**

⚠CAUTION

During installation, do not place the unit on an unstable cart, stand, table or ladder. The unit may fall, causing injury to you or others as well as cause possible damage to the unit. Do not mount to drywall only. There must be wood joists behind the drywall to secure the screen.

1. Start by measuring the center to center dimension of the mounting holes (see Figure 7). (This information would also be on the order drawing).
2. Drive one 1-½" deck screw on each center that you measured on the wall (see Figure 8). Ensure that the screws are level with a laser or string.
3. Raise the screen wall mounts onto the screws. Large diameter hole first, then gently lower the case until the entire unit is sitting on both screws fully (see Figure 9).
4. Mounting hardware must be mounted into solid-wood. If no joists are available then the wall must be blocked.

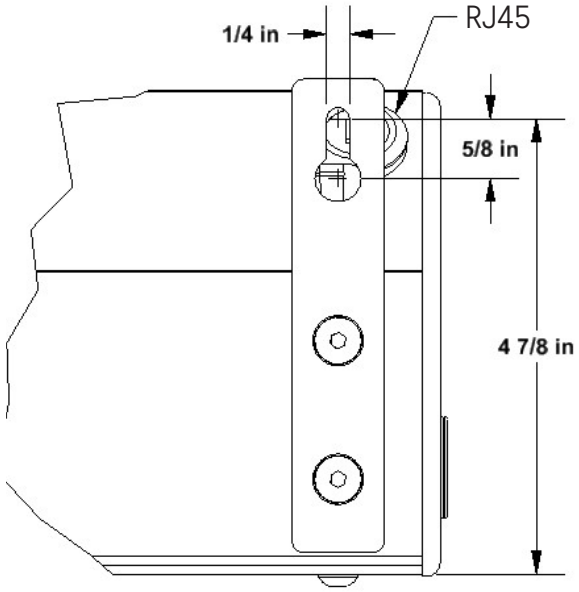


Figure 7. RS1 wall mount bracket detail.

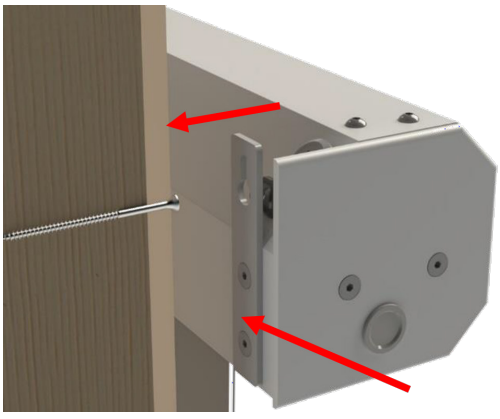


Figure 8. Wall Mount on back of RS1 unit

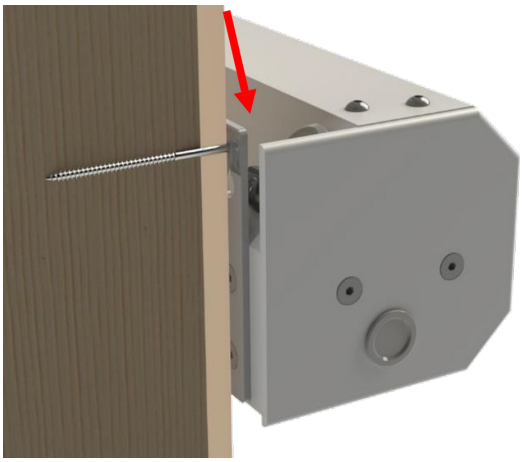


Figure 9. RS1 mounted on ceiling with Threaded Rod Mount **Note:** screws must not be showing, like on the render, the cutaway is for demonstration.

EYE BOLT MOUNT

Professional mounting techniques should be used. Stewart Filmscreen cannot be liable for substandard or faulty installations. **Failure to comply with the instructions and guidance contained in this manual may result in voiding the warranty.**

⚠CAUTION

During installation, do not place the unit on an unstable cart, stand, table or ladder. The unit may fall, causing injury to you or others as well as cause possible damage to the unit. Do not mount to drywall only. There must be wood joists behind the drywall to secure the screen. Ensure cabling system is properly secured and rated for the weight of the unit.

The Eye Bolt Mount is best used in applications when the ceiling is very tall relative to the floor, and a floating, suspended, mounting style is desired (see Figure 11).

1. Secure cabling system to the ceiling, making sure it is attached directly to a ceiling joist.
2. Raise unit to desired height and loop the cabling system into the hanging mount eye. Keep note and make measurements using the details provided on your factory provided drawing (see Figure 10).
3. Make sure the hardware for the cabling is secure and rated for the weight of the unit.

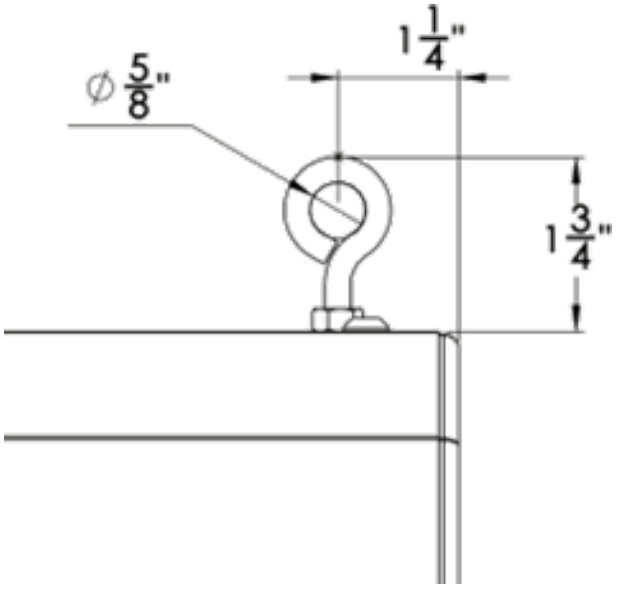


Figure 10. Hanging mount details

Figure 11. Hanging Mount installed on top of RS1 unit

ELECTRICAL

The RS1 screen system can be controlled through several control devices IR, keypads, dry contact outputs, internet protocol (requires an e-Node), and low-voltage trigger outputs.

⚠CAUTION

RS1 is to be installed and used within the scope of the appropriate electrical codes and regulations. Failure to do so may cause malfunctioning or damage to the screen.

Note: This manual refers to AC (electrical alternating current) to represent electrical power. Your location may use 120 V, 220 V, or other electrical power. Screen systems are manufactured using the electrical power type specified for the location. Use appropriate power sources for your location.

MOTOR WIRING

The RS1 screen system's motor is prewired at the factory. No additional motor wiring is required.

The following pages will outline standard and optional control types for RS1.

⚠CAUTION

RS1 has one female RJ45 input on audience left of case. The port is not to be used with POE (power over Ethernet). Improper use of ports will cause irreversible damage to the control board and may void your warranty.

Connections to RJ45 port

The following Stewart Filmscreen accessories plug into the RJ45 port on the unit (see Figure 12).

- Three Button wall switch
- 12 Volt triggering system

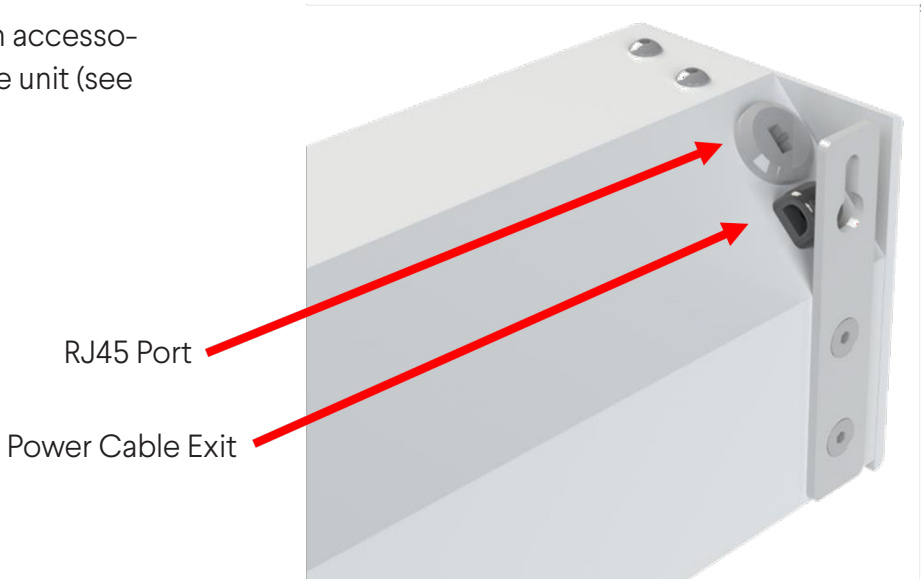


Figure 12. RS1 connections, audience right hand side of case, back of unit

THREE BUTTON WALL SWITCH (STANDARD)

A three-button wall switch is supplied with your RS1 unit as part of the standard control system (see Figure 13). The onboard control system comes ready to operate via the wall switch and projector trigger, right out of the box.

GETTING STARTED

Making the Connections

3-BUTTON KEYPAD

1. Install the wall switch anywhere in the room that is most convenient to operate the screen.
2. Connect the wall switch cable with the RJ45 end to the motor side back of RS1 case on the RJ45 port (see Figure 12).
3. Connect the RJ25 cable to the back of the three-button wall switch (see Figure 14).

Figure 13. Front of wall switch

Note: RS1 comes with an RJ45 female port. The maximum length of the RJ45/RJ25 cable plugged into the unit on the port shall not exceed 75 feet.

USING THE RJ25 SPLITER

If you intend to use both the 3-button keypad and the 12v screen trigger you will need to use the included RJ25 spliter.

1. First, using the short RJ45/RJ25 cable attach the RJ45 end to the back of the screens RJ45 port.
2. Connect the RJ25 splitter to the RJ25 end of the cable.
3. You will need to make an RJ25/RJ25 cable to connect the keypad to the splitter.
4. You will need to make an RJ25/open wire (see figure 16) Connect the RJ25 end to the spilter.

Figure 14. Rear of wall switch with RJ25 input

Note: See the section, “Limit Switch Adjustment” (see Page 29), for information regarding the default limits to which the screen can be adjusted up or down from the factory preset.

12 VOLT PROJECTOR TRIGGER (STANDARD)

Two option are available for connecting the 12v trigger to your projector. The direct connection requires a cable with an RJ45 socket that connects to the screens RJ45 port and the other end only using pins 3 and 6 (see figure 15) connecting to the projection using an 3.5mm mono jack. the other option is to use the provided RJ25 splitter (see page 13 for details). The RJ25 only uses pins 2 and 5. This wire will need to be professionally installed into your triggering system to successfully operate the screen.

GETTING STARTED

Making the Connections

PROJECTOR TRIGGER

1. Connect the RJ45 connector to the back of the RS1 unit case on the right hand side into the RJ45 port (see Figure 12).
2. Connect the bare end of the cable to an extended wire or straight to the triggering system, projector or automation box.
3. Make sure to properly set up your projector to send a trigger signal. (Some projectors require action steps within the onscreen menu to activate trigger functionality. Please refer to your projector's owner's manual for more information.) The screen should automatically roll down and roll up when the projector is powered on and powered off.

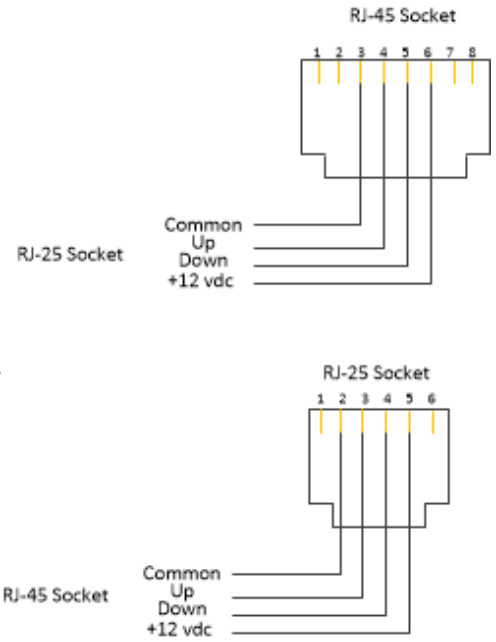


Figure 15. RJ45 to RJ25 pinout

Figure 16. Trigger cable, RJ45/RJ25 and two exposed leads

EXTERNAL IMC WITH IR RECEIVER AND REMOTE (IF EQUIPPED)

A 3-button IR (infrared) remote control (see Figure 17) is supplied for the optional, external IMC (see Figure 18). The IMC control board comes ready to be operated via IR and projector trigger. You may visit StewartFilmscreen.com for a full list of IR Hex codes if you want to program the IR to another remote.

Figure 17. IR remote and eye

Figure 18. IR IMC control board

GETTING STARTED

Making the Connections

IMC IR REMOTE

1. Connect the IR eye with RJ25 end to the external IMC box on the middle port with RJ25 as shown (see Figure 18).
2. Place the IR eye near the screen making sure that there are no obstructions between the eye and the remote.

Note: The maximum length of the RJ25 cable plugged into the external IMC box should not exceed 75 feet. Dry contact closure from any home automation system can be interfaced, utilizing the dry contact pins and maximum length of cable should not exceed 250'.

DECORA PADDLE WALL SWITCH FOR IMC (IF EQUIPPED)

A three position momentary wall switch (see Figure 19) can be equipped with the optional IMC control. The IMC control board comes ready to operate via the Decora paddle wall switch, right out of the box.

GETTING STARTED

Making the Connections

DECORA PADDLE WALLSWITCH

1. Connect the RJ25 cable to the external IMC box on the RJ25 port (see Figure 18).
2. Cut the other end of the wire and expose the four conductors.
3. Connect your wires to the Decora wall switch (see Figure 20).
4. For RJ25 pinouts (see Figure 24).

Figure 19. Front of Decora wall switch

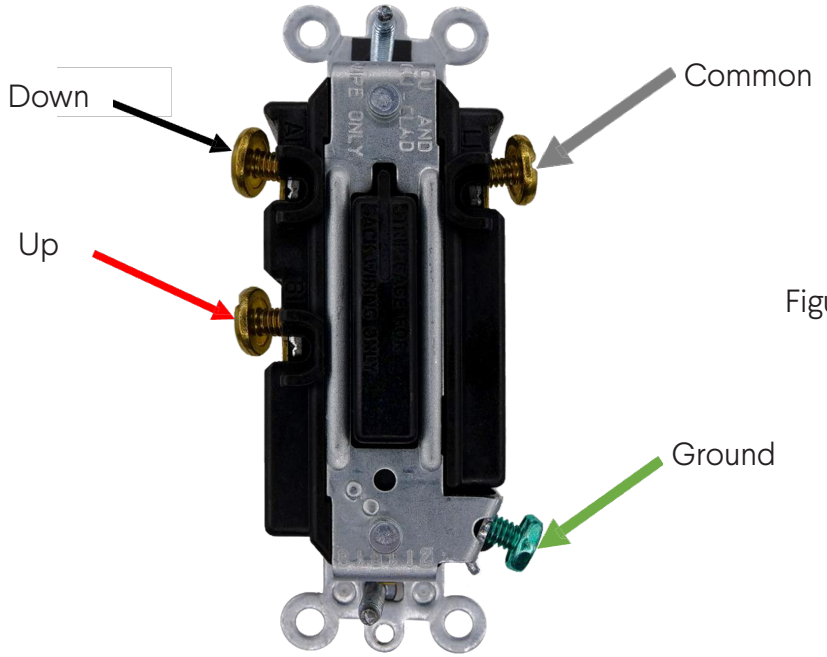


Figure 20. Rear of Decora wall switch

⚠CAUTION

Decora wall switch is to be wired to the L.V contacts. **Do not wire the wall switch through a high voltage line.**

INTELLIGENT MOTOR CONTROL (IMC) WIRING

The IMC is a low voltage screen control that allows for switching conductors to be run in Class II (small wire, exposed, no conduit) and will interface with outboard video switching systems.

The IMC has the capability of being operated through a wall switch, infrared remote, radio frequency remote, internet protocol (IP), with (optional e-Node) control system, and a screen trigger through a projector. The IMC is the most robust controller offered for RS1. For a detailed look at what the IMC has on board, please see below (see Figure 26).

The IMC comes prewired from the factory to the motor and to the power cable. For your reference, in the case of servicing, we broke down the pin layout for the high voltage side of the connections (see Figure 27). Always have a qualified electrician handle high voltage connections.

AC load side	IMC 100	Motor Power Connectors
BLACK	Pin 1	AC Line
WHITE	Pin 2	AC Neutral
	Pin 3	Motor RED Line
	Pin 4	Motor BLACK Line
	Pin 5	Motor Neutral

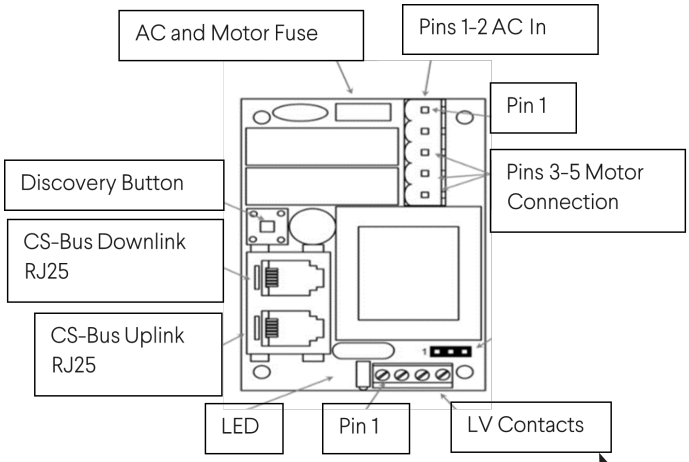


Figure 26. IMC control board schematic

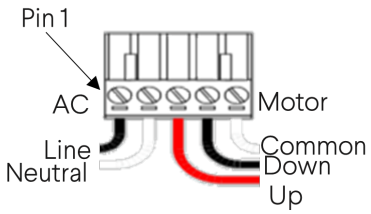


Figure 27. High voltage pin schematic

LVC Contacts	IMC 100	COMMANDS
COMMON	Pin 1	COMMON
CHANNEL 1 INPUT	Pin 2	UP
CHANNEL 2 INPUT	Pin 3	DOWN
SCREEN TRIGGER INPUT	Pin 4	TRIGGER 3-15 VDC w/ COMMON

INTELLIGENT MOTOR CONTROL (IMC) WIRING (CONTINUED)

The IMC can be wired to any dry contact wall switch (see Figure 23). If you would like one from Stewart Filmscreen, you may order as an option, directly from us.

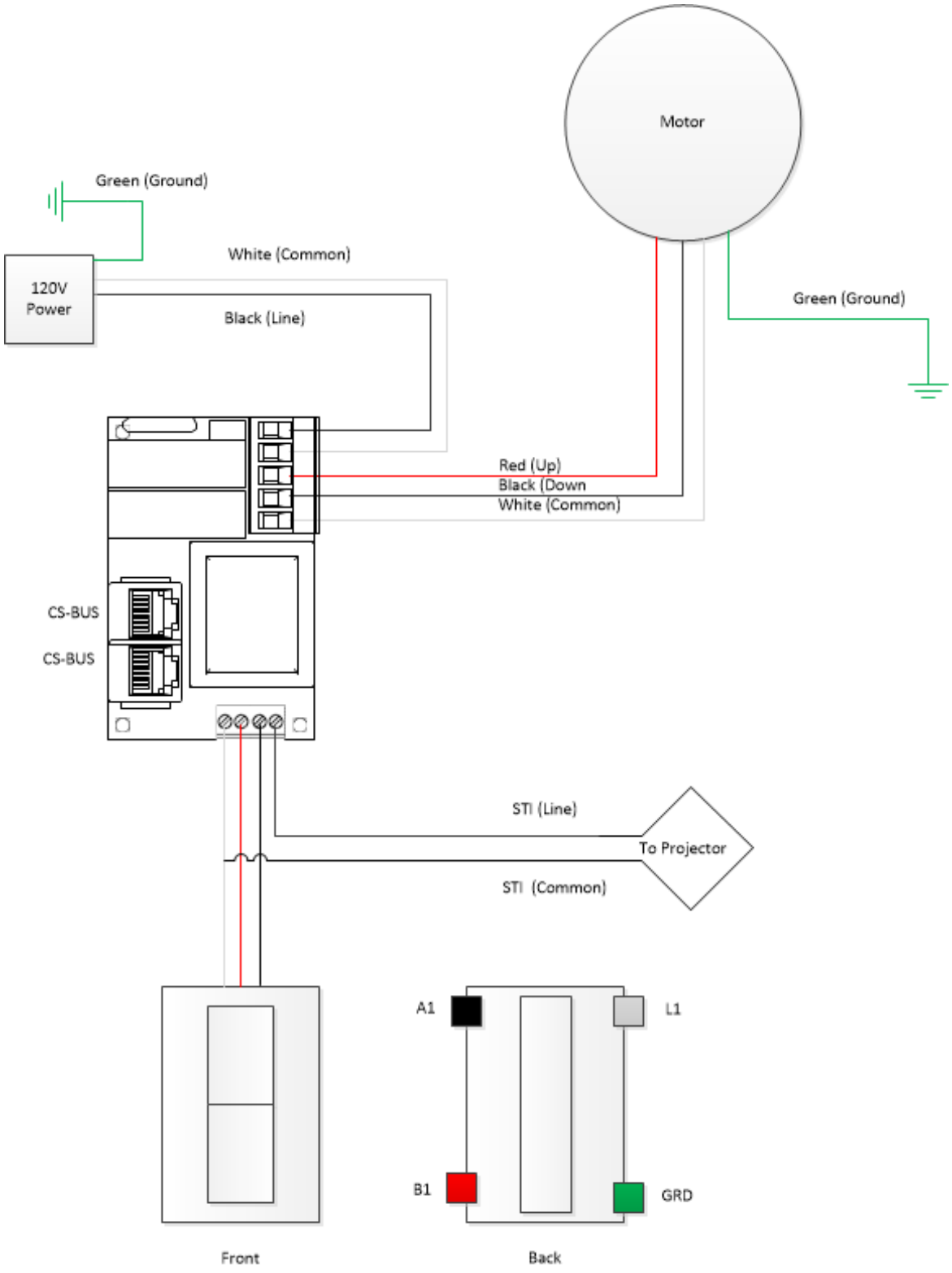


Figure 23. IMC wiring diagram

OPERATING THE SCREEN

Using the three button wall switch, press the “down” button and the RS1 screen will automatically extend fully to its preset limit. Press the “up” button once and the RS1 screen will automatically retract back into the case and power itself off. If a custom position is desired, simply press the “stop” button at any time during the screen’s deployment or retraction.

Note: When you lower or retract the screen, it will stop at its preset limit. If an obstacle, such as a person or any furniture, is in the path of the screen as it is lowered, use the switch control to stop the screen’s motion. The screen will not automatically stop if it hits an obstacle.

The motor is designed to be used for short operations such as lowering the screen in preparation for viewing. The motor is not designed for continuous duty. If the motor operates continually for more than a few minutes, it may automatically shut off to prevent damage from overheating. If the motor occasionally needs to be run more than normal, i.e., during initial setup and positioning, allow time for the motor to cool down.

In general, when the screen is not in use, you should store it in the fully retracted position to protect the screen’s surface. **It is best practice however, to deploy the screen for extended periods. Periodic deployment on a regular basis will maximize the flatness and uniformity of the screen’s surface. The screen will benefit from frequent and extended periods of deployment.**

⚠CAUTION

Be careful not to touch or scratch the screen’s viewing surface.

⚠CAUTION

If the unit emits any smoke, heat, abnormal noise or unusual odor, the unit is most likely damaged in some way — such as damage from a water leak or power surge. Do not operate the motor if any of these situations occur. Call a qualified service person for assistance.

LIMIT SWITCH ADJUSTMENT

⚠CAUTION

Please read and understand the following information. Improperly adjusted motor limit switches can result in irreparable damage to the projection screen or motor and will void your warranty.

Stewart Filmscreen uses tubular motors in many of our projection screens. Users may require adjusting the limit switches at some point in time. Tool required: 4 mm hex key or 5/32" hex driver. You can also use an electrician's 1/8th inch flat blade screwdriver.

Note: Never use an electric drill or powered screwdriver to adjust the motor limit switches as this will damage the internal timing assembly in the motor. The switches are designed for manual (by hand) incremental adjustment only.

⚠CAUTION

We set the masking limits at the factory. However, if you feel that some slight adjustments need to be made to the screen deployment, please follow the outlined steps below:

ADJUSTING THE SCREEN'S DEPLOYED (DOWN) STOPPING POSITION

This adjustment will be made using the "white" limit switch (see Figure 33). It is important to remember that you cannot reduce the screen's deployment setting when the screen is currently stopped at its full "down" setting. You must use the control switch to raise the screen up a foot or so before attempting a motor limit switch adjustment. If the screen is operated by a screen trigger, you must reduce this "white" limit switch when the screen is stopped in its fully retracted, "up" position. Turn the "down" motor limit switch clockwise to reduce top masking settings (see Figure 33).

Turning the motor limit switch counterclockwise will increase or extend the screen's deployed stopping position. Switches are sensitive. Go slowly and do quarter turns at all times with the 5/32" hex driver to prevent damage to the motor and to the screen. **Do not extend the screen so far that the aluminum roller tube becomes exposed. There must be at least one full wrap of the screen left on the roller tube when the screen is resting at its final deployed setting.** If you turn this limit switch too much (clockwise) and the screen is now stopping short of where you want it, simply turn it in the opposite direction (counterclockwise) and the screen will automatically drop in increments as you rotate the switch.

ADJUST THE SCREEN'S RETRACTED (UP) STOPPING POSITION

CAUTION: Making adjustments to the yellow switch can inadvertently damage the screen or the motor if the fully retracted stopping position is set too high into the housing. This will cause the screen's batten bar to impact the screen roll and may cause optical damage to the screen. Improper adjustment can also cause the batten to jam into the housing which obstructs it from deploying when the "down" command is sent. Left in this position, the motor will fail due to overrun. Only qualified, experienced technicians should attempt to make adjustments to the "up" yellow limit switch (see Figure 25).

NOTE: Failure to follow these directions may result in voiding your warranty.

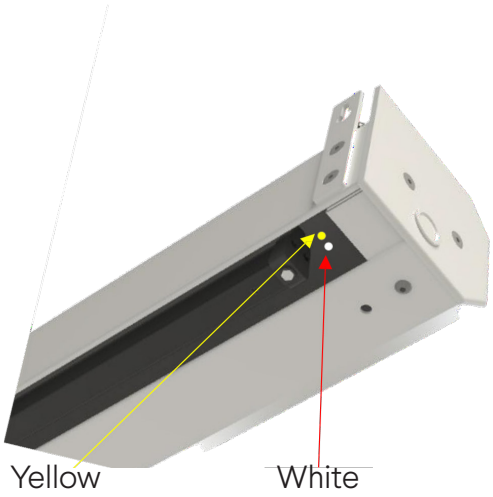


Figure 25. Undercarriage, back view, audience left side of RS1. Motor with yellow and white adjustment limits

In the fully "up" retracted stopping position, the screen's batten bar must hang freely underneath the screen roller tube. **The batten bar cannot contact or press against the projection screen roll.**

Make sure to check and correctly adjust the yellow or "up" limit switch to avoid screen damage from a compacted batten bar. Switches are sensitive. Go slowly and do quarter turns at all times with the 5/32" hex driver to prevent damage to the motor and to the screen.

Counterclockwise adjustments of this switch will raise the batten bar and clockwise adjustments will lower the batten's top setting. Lowering the batten's top stopping position is valuable when trying to align the screen's batten with the bottom of the RS1 case.

⚠CAUTION

Please remember that improperly adjusted motor limit switches will cause damage to your projection screen or motor. Make sure that both of the motor limit switches have been properly adjusted, allowing the projection screen to stop correctly at both the retracted and deployed positions.

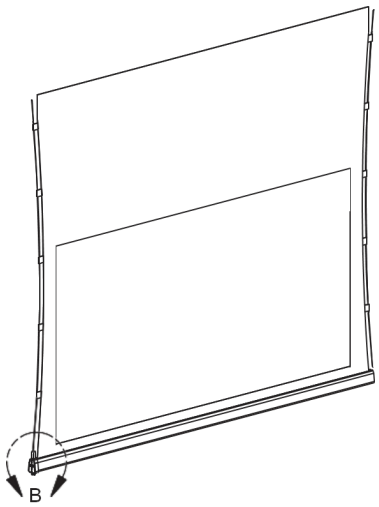
ADJUSTING THE SCREEN TENSION

To correctly adjust the batten setting position and side line length on your Stewart screen, it may be necessary to loosen the existing side line attachment screws. After the adjustment has been completed, the batten weight will be increased on the screen while decreasing the side line tension.

This procedure can improve the overall flatness of the screen primarily in the lower section of the image area. In many instances, the screen's factory deployment setting has been reduced at the site and therefore this batten adjustment is necessary.

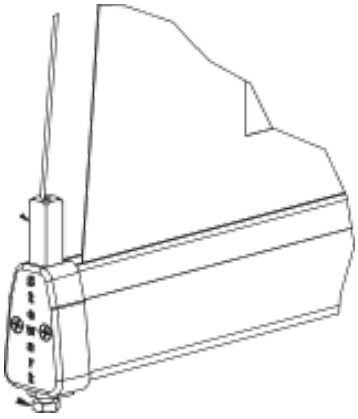
The objective is to thread the screw into the ferrule just enough to get a very low amount of side line tension (approximately 3 to 4 turns). The side lines will now have less tension which is desirable. The result is that more batten weight will be distributed on the screen once this adjustment is completed. You should see a slight improvement when finished; however, it will take some time for this adjustment to fully take effect (stretching screen) thereby eliminating any wrinkles, waves, or puckers.

NOTE: If the top black masking (TBM) is reduced from the factory setting too much this will also result in cornner wrinkles. A change of more them 3-4" is not advised.



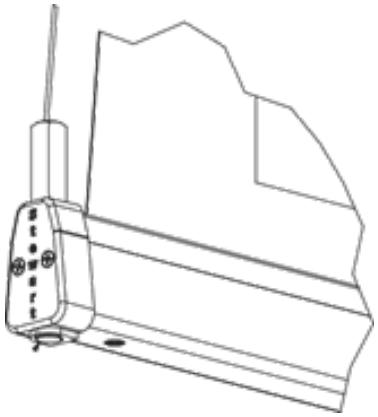
Front of Screen

1. Push the ferrule down.



Detail B: Batten Overview

2. Turning the screw counter-clockwise will lengthen the side line, adding batten weight / tension to the screen. Turning it clockwise will shorten the side line and decrease batten weight / tension on the screen.



Detail B: Batten Underside

3. Align the bottom screw to the recessed pocket and release it to move the ferrule back in place and complete adjustment.

TROUBLESHOOTING

Refer to the following guidelines if you encounter any 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 below, please call Stewart Filmscreen at 1 (310-784-5300) or toll free 1 (800-762-4999) for assistance.

Problem	Cause	Action Steps
The screen won't operate	No AC power available	Check to see if the circuit breaker has switched off. Reset if needed. Check the outboard switching apparatus. Check voltage availability. Contact an electrician
The screen won't roll up or down (even though power is-available)	Bad connection at the switch. Polarity of IMC line may be bad	Have an electrician or qualified service person check control board connections
The screen roller 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 outboard wiring
The unit hums in "up" mode	The screen batten is retracting too far into the case. Failure to correct can damage the motor and the screen. Do not use the unit until this problem is resolved	Screen motor requires full voltage. Have an electrician or qualified service person check available voltage
The screen drops when "up" direction is activated	Could be a drop in voltage	Readjust the "white" down limit switch. See the section on Ad-justing Screen Deployment of this manual (Page 24)
The screen continues past bot-tom stop position	"White" limit switch is out of ad-justment	Have a qualified service per-son adjust the "yellow up" limit switch

TROUBLESHOOTING (CONTINUED)

The batten retracts too far into case	"Yellow" limit switch is out of adjustment. Failure to correct can damage motor and screen. Do not use the unit until the problem is resolved	Have a qualified service person adjust the "yellow up" limit switch
The motor shuts off. The motor has been in use for more than 2 minutes	The motor is designed for short operations (lowering and retracting), not continuous duty. Longer operation causes the motor to overheat and shut off	Allow the motor to cool down. Complete cooling can take an hour or more. Heat gain is cumulative and takes time to dissipate. If motor use is initiated before it has cooled completely. The motor will shut down again when it reaches maximum temperaturew
Dirt, fingerprints, marks, etc., on the screen surface	Improper handling of screen	Lightly brush off or use a mild water-based detergent solution with a clean rag or cotton swab
Indentions appear on screen surface	Debris or particles adhering to screen due to static cling	Check back of screen; gently brush debris away with a soft brush

TWO (2) 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 two (2) years from the date of purchase by the original purchaser or eighteen (24) 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, which may be mandated by statute or rule of law, are limited to the two (2) 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, CA 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.

Stewart
FILMSCREEN

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