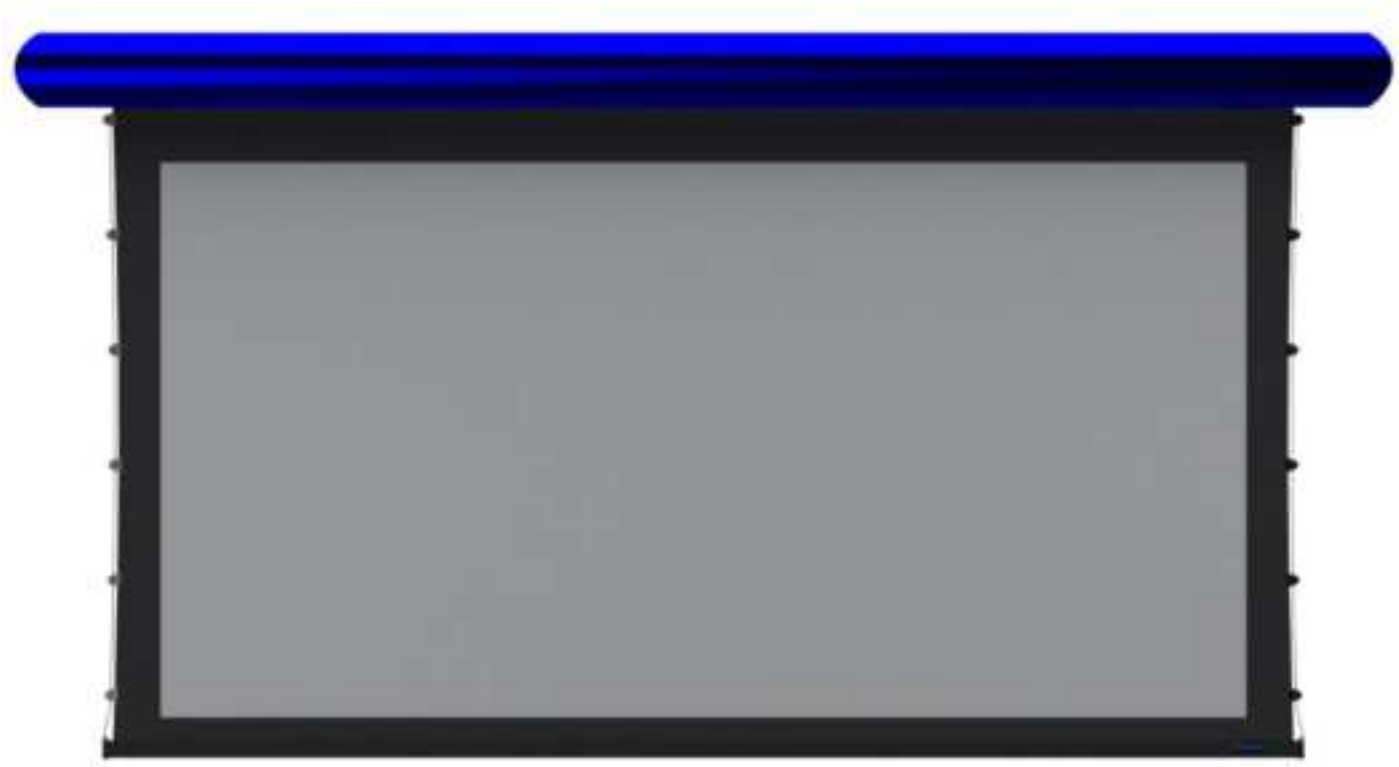
Cabaret

Retractable, Below Ceiling Screen System



Stewart FILMSCREEN

The Reference for Stunning™

Cabaret

OWNERS MANUAL

Contents

TO THE OWNER

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

Your handcrafted Cabaret 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 Cabaret. 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.

Jose Garcia
Small Electric Screen Craftsman

ABOUT CABARET

The Stewart Filmscreen Cabaret offers a premium below ceiling viewing experience. With optional bracketing, the stylish contemporary case allows the screen to deploy either close to the wall or away from the wall, in front of your wall décor. With your choice of control options, LED lighting, paint color, and mounting options — along with Stewart's world-renowned premium screen materials — the Cabaret is one of our most advanced screen systems ever.

⚠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.

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.

For indoor use only.

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 may 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 Cabaret 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 system you are utilizing.

For the instructions related to your specific mount type, refer to the appropriate page:

- Wall Mount (Page 11)
- Plasma Mount (Page 13)
- Ceiling Mount (Page 15)

For the instructions related to your specific controls, refer to the appropriate page:

- Decora paddle wall switch (Page 19)
- IR remote and receiver (Page 20)
- IR wall switch and receiver (Page 21)

For the instructions related to the optional LED system, refer to (Page 22).

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 the smaller screens. More are needed for larger, heavier screens.

What's inside the box?

- Inside your Cabaret unit box, you will find everything needed to get started enjoying your Stewart screen:
- Cabaret unit, preassembled and internally prewired
- Two wall mounts or plasma mounts or ceiling mounts (depends on what was ordered)
- Packing material
- Decora Wall Switch (standard)
- Cabaret Quick Start Guide

You will need

- A level
- A drill
- A drop cloth
- Tools for tightening fasteners
- Ladders for the personnel supporting the screen during the mounting process
- Fasteners appropriate for the surface on which the screen is being mounted
- We suggest a self-leveling laser due to the dual mounting of the wall or ceiling mounts. Both mounts will need to be accurately leveled to each other.

Note: Bolts and other fasteners for the screen are standard gauges and sizes 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 Cabaret screen may have special retainers for the batten. These items may be left in place until after the screen has been mounted (see Figure 1).

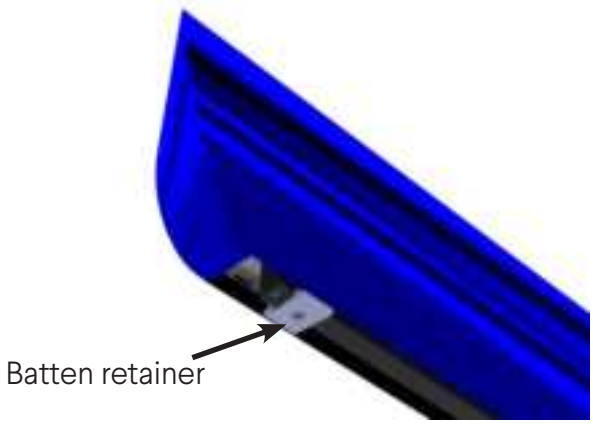


Figure 1: Cabaret bottom view with batten retainer installed

IMPORTANT: Remove all batten retainers prior to activating the screen. Failure to do so will cause damage to the screen material. There will be one batten retainer on each end of the unit. Larger units come with an additional batten retainer on the middle of the unit. A single screw holds each batten retainer in place (see Figure 2).

Figure 2: Cabaret bottom view with batten retainer removed

When installing your Cabaret using any of the three mounts, there are a couple things to consider to make the installation a smooth and easy operation.

Wall Mount

If the selected mounting option during purchase was wall mount, then you will receive two wall mounts. Each mount has one hole pre-drilled to ensure that at least two studs are utilized for mounting (see Figure 3).

Figure 3: Cabaret wall mount (Front and back)

Wall Plasma Mount

Figure 4: Cabaret plasma mount (Front and back)

If the selected mounting option during purchase was wall plasma mount, then you will receive two wall plasma mounts. Each mount has one hole in the middle of the mount to push any wiring through and into the wall. The rear of the mount also has four holes to ensure that at least two holes on each mount are utilized for mounting onto a wall stud (see Figure 4).

Ceiling Mount

Ceiling Mount

If the selected mounting option during purchase was ceiling mount, then you will receive two ceiling mounts. Each mount has two holes pre-drilled on top to ensure that at least two screws go into a ceiling stud (see Figure 5).

Figure 5: Cabaret ceiling mount

Fascia Removal

Cabaret offers a two-piece construction that allows the front fascia to come off for servicing. This allows easy access to the control system and roller tube assembly without having to take the entire unit down. To remove the fascia:

1. Remove acrylic glass from top of case. Simply lift up with your fingers and place in a safe location (see Figure 36).

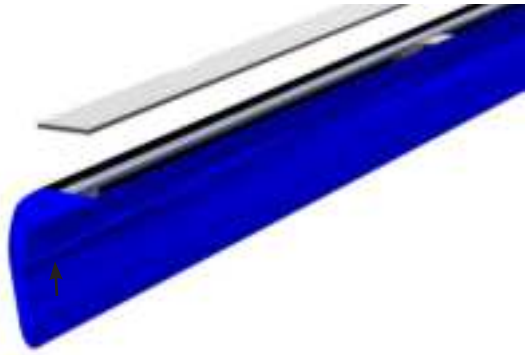


Figure 36: Audience left, front of unit, showing acrylic glass removed

2. Lift bottom of fascia through screen slot opening by pulling in an upwards motion towards the front of the case (see Figure 37).

Figure 37: Audience left, front of unit, showing fascia tilted forward

3. Lift in an upwards motion once the bottom clip is free, and remove the fascia (see Figure 38). Set aside in a safe location.

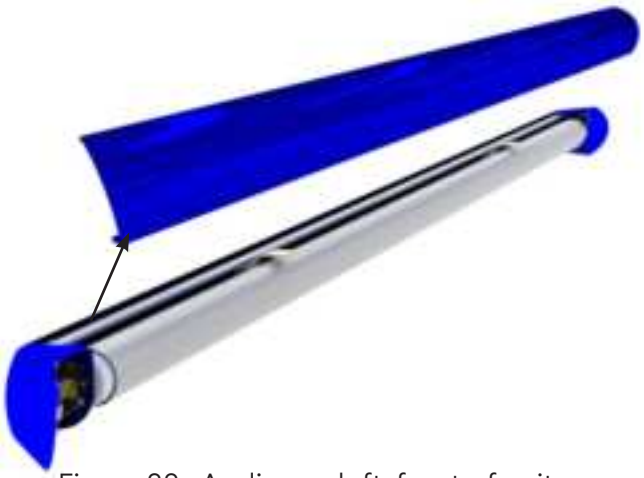


Figure 38: Audience left, front of unit, showing fascia removed

Note:

Installation is the reverse of the uninstalling instructions.

Fasteners

The type of fasteners used for mounting is critical. This screen is too heavy to be mounted with molly or any other type of expanding wall anchors. They will pull away and fall if mounted to drywall. Additionally, if other weak fasteners are used, the Cabaret unit may fall. Be sure to use a total of two No. 10, 3 ½ inch deck screws on each mount (see Figure 6).

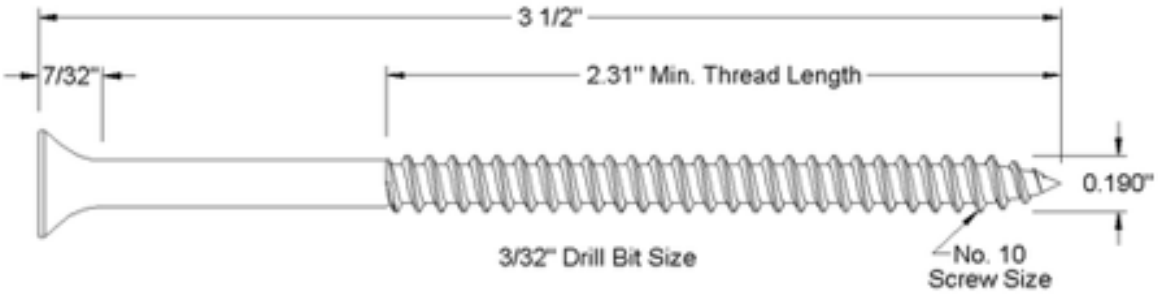


Figure 6: No. 10, 3 ½ inch screw

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 your warranty.

⚠CAUTION

Be careful not to touch or scratch the viewing surface.

Ensure that the wall surface is level and free of undulations. Use shimming if necessary.

This screen is too heavy to be mounted with molly or any other type of expanding wall anchors. They will pull away and fall if mounted to drywall.

1. Identify the location of wall studs where you can secure the wall mounts.
2. Use a level to accurately position the wall mounts on the wall (see Figure 7), and make certain that both wall mounts are within 12 inches from either edge of the case. This will prevent the case from tilting to either side.
3. Drill holes through the wall mounts into the studs.
4. Use 3 ½" screws to secure the wall mounts to the wall studs.

Note: These are heavy units. This screen must be mounted to studs or onto a wall with a continuous plywood sheath below the surface treatment (see Figure 7).

5. Check to make sure the wall mount is level.
6. Carefully lift and hook the channels on the back of the housing onto the wall mounts (see Figure 8).
7. For the minimum clearance dimensions, (see figure 9).

Figure 7: Wall mounts leveled and attached to two or more wall studs

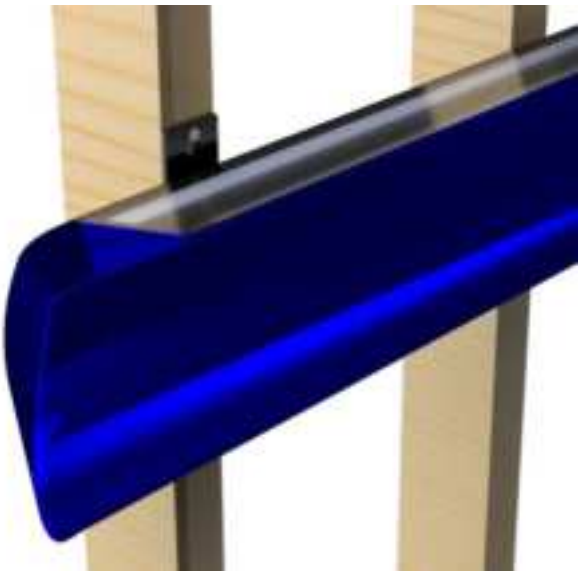


Figure 8: Back part of case hanging off wall mount

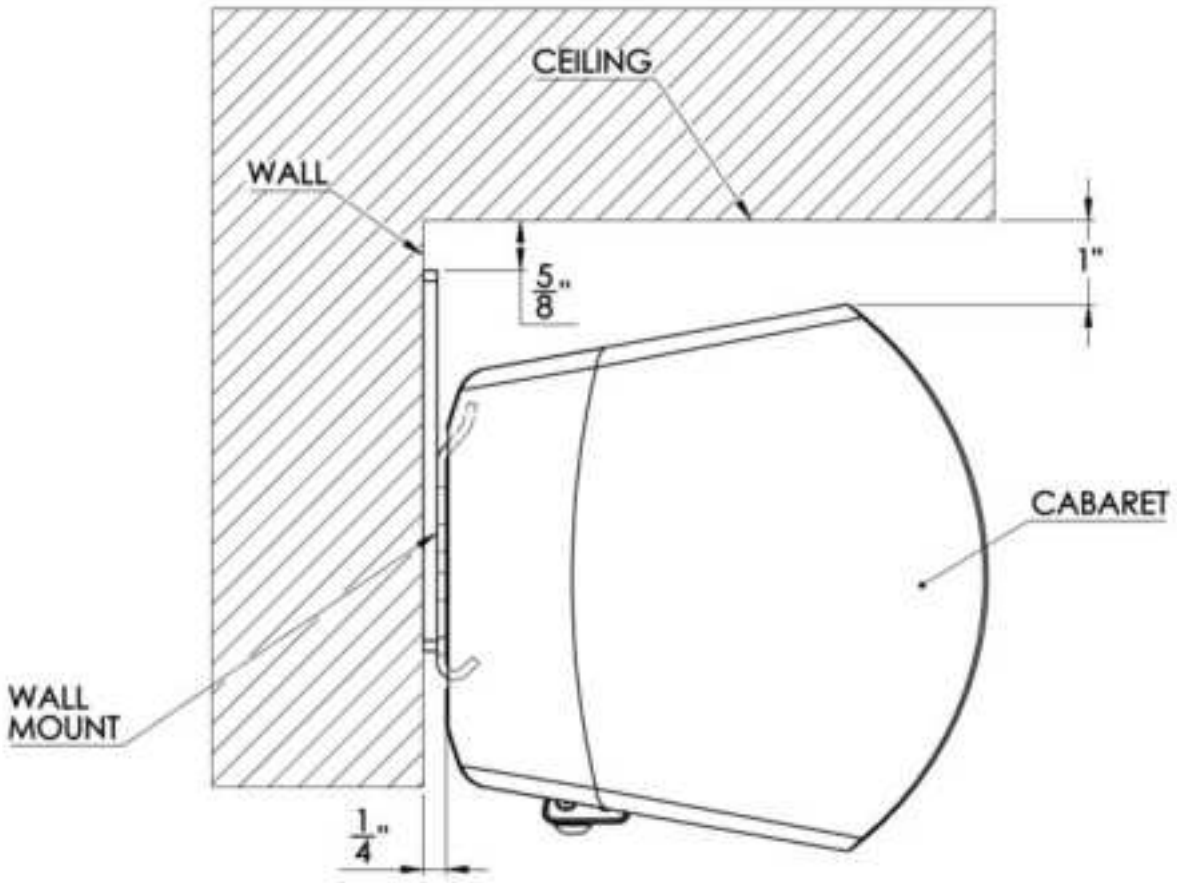


Figure 9: Wall mount detail with minimum clearance

PLASMA 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 your warranty.

⚠CAUTION

Be careful not to touch or scratch the viewing surface.

Ensure that the wall surface is level and free of undulations. Use shimming if necessary.

1. Identify the location of wall studs where you can secure the plasma mounts.
2. Use a level to accurately position the plasma mounts on the wall (see Figure 10), and make certain that both wall mounts are within 6 inches from either edge of the case. This will prevent the case from tilting to either side.
3. Drill holes through the plasma mounts into the studs.
4. Use 3 ½" screws to secure the wall mounts to the wall studs.

Note:

a.These are heavy units. Plasma mounts must be mounted to at least one wall stud per mount or to a continuous plywood sheath below the surface treatment (see Figure 11).

b.Check to make sure the wall mount is level.

Figure 10: Plasma mounts leveled and attached to two wall studs

5. Carefully lift and hook the channels on the back of the housing onto the plasma mounts. Add the ¼"-20 set screw onto the plasma mount to prevent unwanted movement (see Figure 12).
6. For the minimum clearance dimensions, (see figure 13).

Figure 11: Plasma mount mounted with cover sliding on

Figure 12: Back part of case hanging off plasma mount

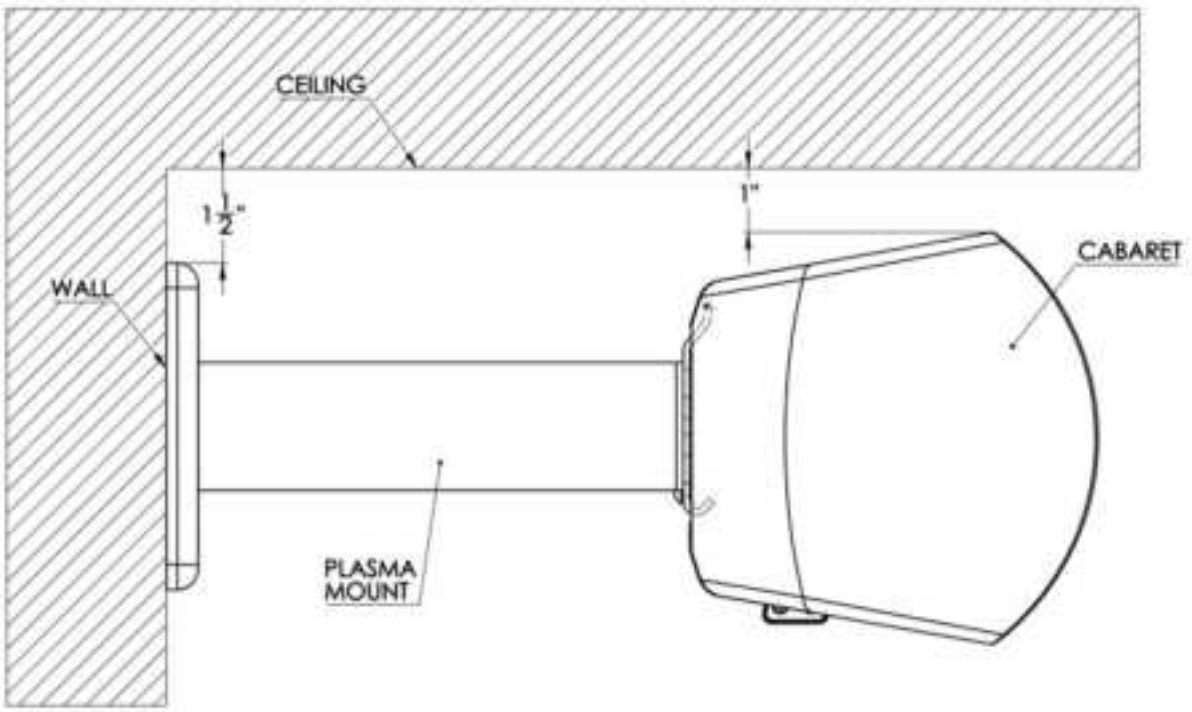


Figure 13: Wall mount detail with minimum clearance (plasma mount length will vary depending on your order)

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 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. 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. Use a level or other straight edge to properly align both ceiling mounts as straight as possible. Make certain that both wall mounts are within 6 inches from either edge of the case. This will prevent the case from tilting to either side.
3. 3. Screw the ceiling brackets into the joists (see Figure 14). Ensure the screws are mounted to solid wood and that both ceiling brackets are properly aligned to each other.
4. Lift the case up to the ceiling and into the mounting brackets. Gently slide case backwards, up, and into the ceiling bracket to engage and lock in place (see Figure 15).
5. Lastly, add the ¼”-20 set screw onto the ceiling mount to prevent unwanted movement.
6. For the minimum clearance dimensions, (see figure 16).

Figure 14. Ceiling brackets screwed onto ceiling joists

Figure 15: Cabaret case extrusion hanging off of ceiling mount

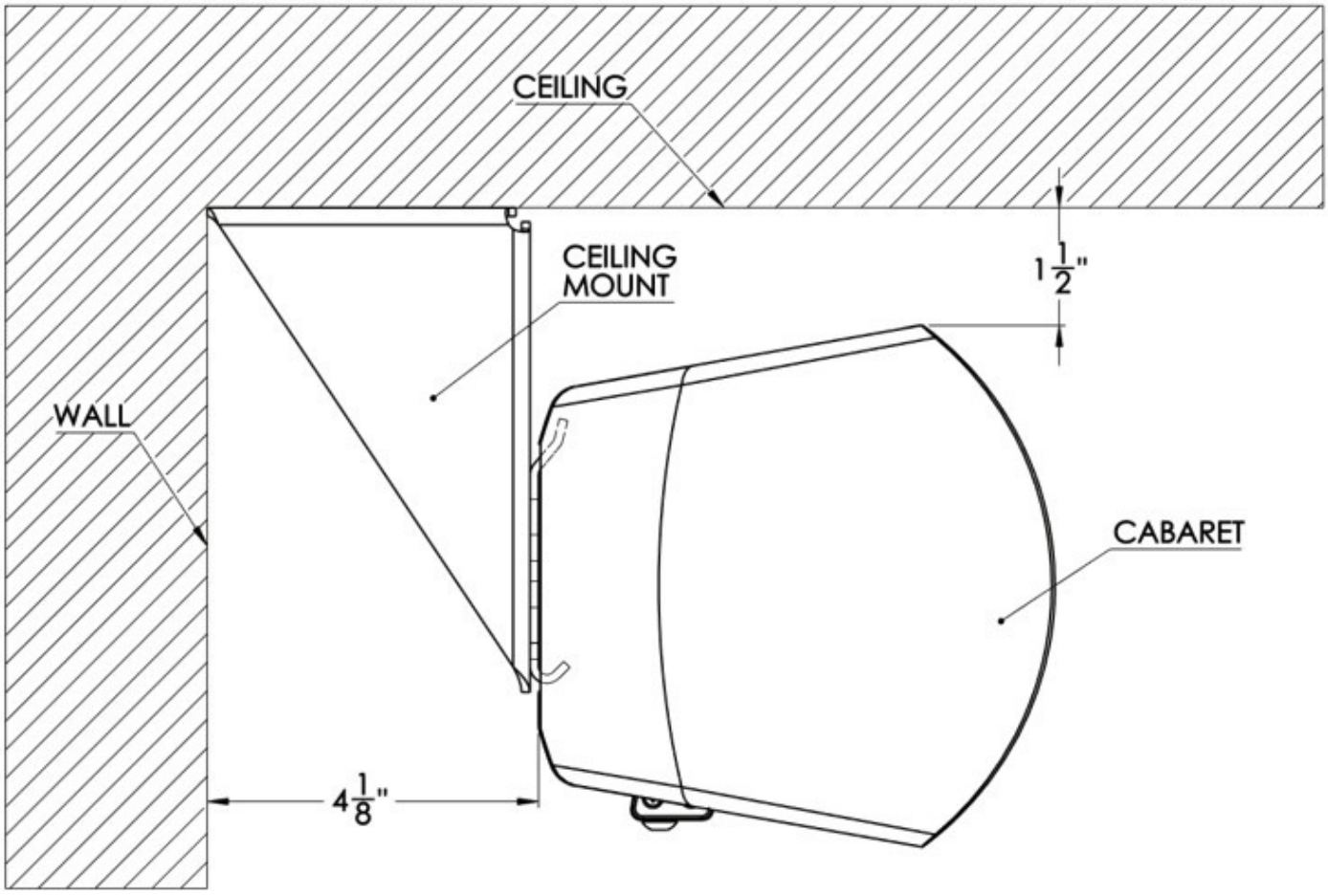


Figure 16: Ceiling mount detail with minimum clearance

ELECTRICAL

The Cabaret screen system can be controlled through IR remote control, keypads, dry contact outputs, internet protocol (IP), and low-voltage trigger outputs.

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.

⚠CAUTION

Cabaret 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.

MOTOR WIRING

The Cabaret' 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 Cabaret.

Connections

The following Stewart Filmscreen accessories can be wired into the Cabaret RJ25 or dry contact/trigger wire on the rear, audience left side of the case.

IR wall switch

Decora wall switch

Projector trigger

INTELLIGENT MOTOR CONTROL (IMC) (STANDARD)

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, 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 Cabaret. For a detailed look at what the IMC has on board, please see below (see Figure 29).

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 30). 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

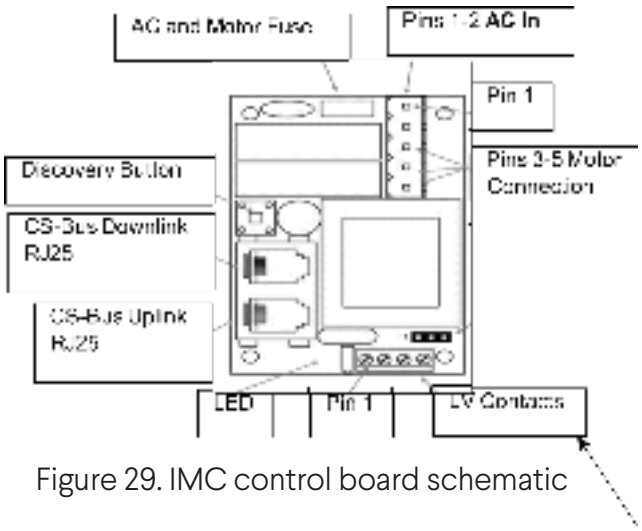


Figure 29. IMC control board schematic

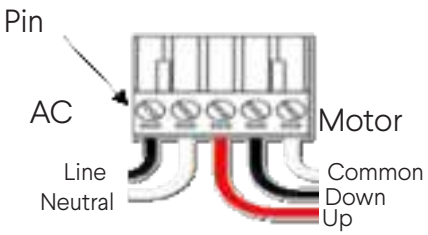


Figure 30. High voltage pin schematic

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

DECORA PADDLE WALL SWITCH (STANDARD)

A three position momentary wall switch (see Figure 17) can be equipped with the standard IMC control. The IMC control board comes ready to operate via the Decora paddle wall switch, right out of the box. This switch will be connected to low voltage only. **Do not connect to high voltage.**

GETTING STARTED

Making the Connections

1. Connect the RJ45/RJ25 cable to the motor side endplate of the Cabaret case on the dry contact RJ45 port (see Figure 23).
2. Cut the other end of the wire and expose the four conductors.
3. Connect your wires to the Decora wall switch (see Figure 18).
4. For RJ45 pinouts (see Figure 28).

Figure 17. Front of Decora wall switch

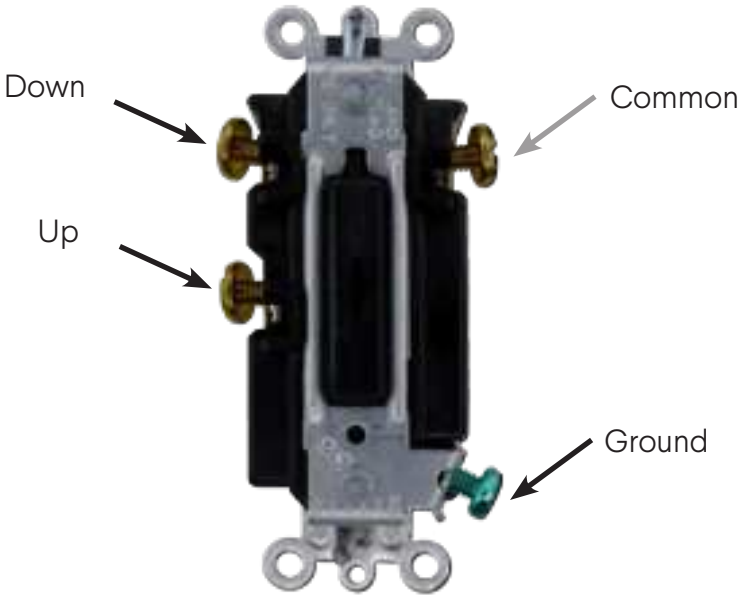


Figure 18. Rear of Decora wall switch

⚠CAUTION

Decora wall switch is to be wired through the dry contact port only. The dry contact port is low voltage. **Do not wire the wall switch through a high voltage line.**

IR RECEIVER AND REMOTE (IF EQUIPPED)

A 3-button IR (infrared) remote control (see Figure 17) is supplied for the standard control system IMC (see Figure 18). The IMC control board comes ready to be operated via IR and projector trigger right out of the box. You may visit support.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 receiver

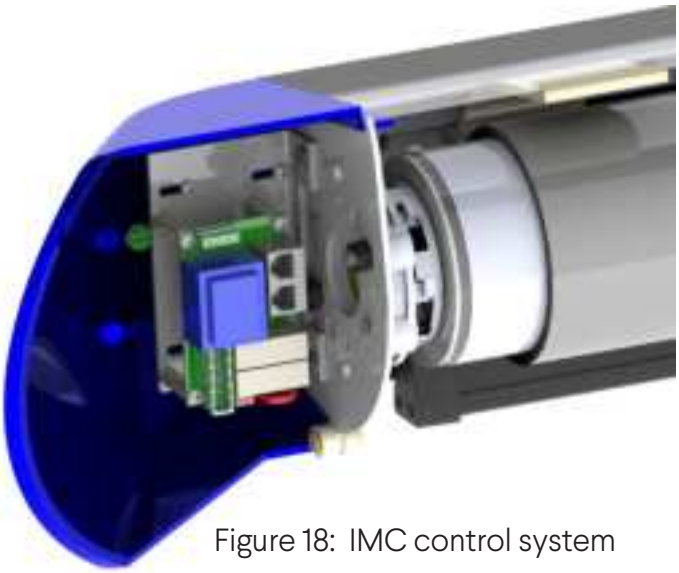


Figure 18: IMC control system

GETTING STARTED

Making the Connections

If an IR receiver is optioned at the time of purchase, then the receiver will be pre-installed at the factory. No further connections need to be made by the customer or installer. Simply plug in the power and use the supplied 3 button remote to operate the screen.

Note: Cabaret may come with one RJ25 male output (if equipped). The maximum length of the RJ25 cable plugged into the unit shall not exceed 50'.

Dry closure modules from any home automation system can be interfaced, utilizing up/down/common type terminations only on the dry contact/trigger cable (see Figure 19).

Figure 19: Rear, audience left of case with 10 ft. power cord, RJ25 output (if equipped) and a dry contact/trigger wire

IR WALL SWITCH AND REMOTE (IF EQUIPPED)

A 3-button IR (infrared) remote control (see Figure 17) is supplied in conjunction with the 3 button IR (infrared) wall switch (see Figure 21) for the IMC (see Figure 18). The IMC control board comes ready to be operated via IR and projector trigger right out of the box. You may visit support.stewartfilmscreen.com for a full list of IR Hex codes if you want to program the IR to another remote

GETTING STARTED

Making the Connections

1. Connect the RJ25 cable to the back of the IR wall switch (see Figure 19).
2. Connect the IR wall switch cable with RJ25 end to the motor side endplate of Cabaret on the smart port with RJ25 as shown (see Figure 22).
3. Install the IR wall switch anywhere in the room, making sure that there are no obstructions between the eye and the screen.
4. Keep note that you may want to hide the cable inside your wall to ensure a clean install.

Figure 21. Front of IR wall switch

Note: Cabaret may come with one RJ25 male output (if equipped). The maximum length of the RJ25 cable plugged into the unit shall not exceed 50'.

OPERATION

Using the IR remote, press the "down" button and the Cabaret screen will automatically extend fully to its preset limit and will power itself off. Press the "up" button once and the Cabaret 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.


Figure 22. Rear of IR wall switch with RJ25 input

Note: See the section, "Limit Switch Adjustment" (see Page 25), for information regarding the default limits to which the screen can be adjusted up or down from the factory preset.

LED CONTROL SYSTEM (IF EQUIPPED)

Cabaret can be optioned with a state of the art LED system which can be controlled with a standard IR remote via an inboard IR receiver (see figure 26) or an 11-button IR digital keypad (optional) (see Figure 29). On the audience right, you will find the ILC (Intelligent Lighting Control) control board (see Figure 27) which communicates directly with the IMC that is already onboard to control the screen (see Figure 18). You may visit StewartFilmscreen.com for a full list of IR Hex codes if you want to program the IR for the LEDs to another remote. If you are adding the ILC after the fact, be sure to connect the IMC on PORT – 1 from the ILC on PORT – 1 (see Figure 34) using CAT V cable.

Figure 26: IR remote and receiver

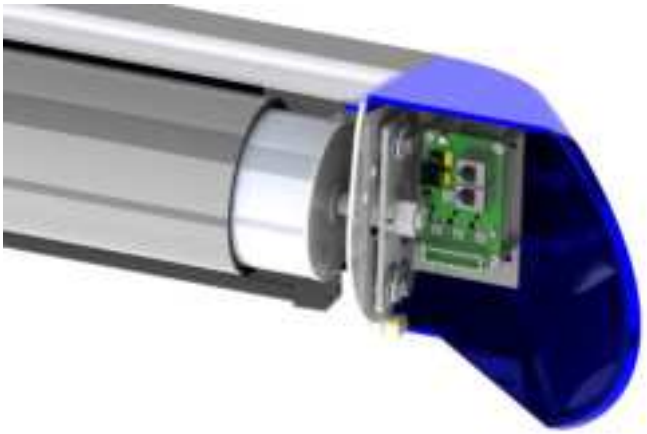


Figure 27: ILC control system on audience right

GETTING STARTED

Making the Connections

If an IR receiver is optioned at the time of purchase, then the receiver will be pre-installed at the factory. No further connections need to be made by the customer or installer. Simply plug in the power and use the supplied hand-held remote to operate the LEDs.

Note: Cabaret may come with one RJ25 male output (if equipped). The maximum length of the RJ25 cable plugged into the unit shall not exceed 50' (see Figure 28).

Any home automation system needs to plug into the IMC's PORT – 0. No connection to the ILC is necessary.

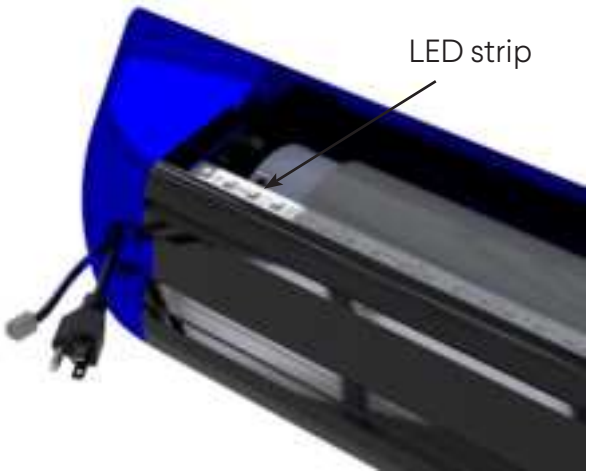


Figure 28: Rear, audience right of case with power cord, RJ25 output (if equipped) and LED strip inside case under the acrylic-glass top

IR LED WALL SWITCH AND REMOTE FOR LED (IF EQUIPPED)

An 11-button IR (infrared) remote control (see Figure 26) is supplied in conjunction with the IR wall switch (see Figure 29) for the ILC (see Figure 27). Instead of receiving an IR receiver eye inside the case, you will get a wall switch with the eye built in.

GETTING STARTED

Making the Connections

5.Locate the RJ25 accessory plug cable on the back of the Cabaret on audience right side (see Figure 28).

6.Connect the male RJ 25 accessory plug cable into the IR wall switch female RJ25 port (see Figure 30).

7.Install the IR wall switch anywhere in the room, making sure that there are no obstructions between the eye and the screen.

8.Please note that you may want to hide the cable inside your wall to ensure a clean install.

Note: Cabaret may come with one RJ25 male output (if equipped). The maximum length of the RJ25 cable plugged into the unit shall not exceed 50'.

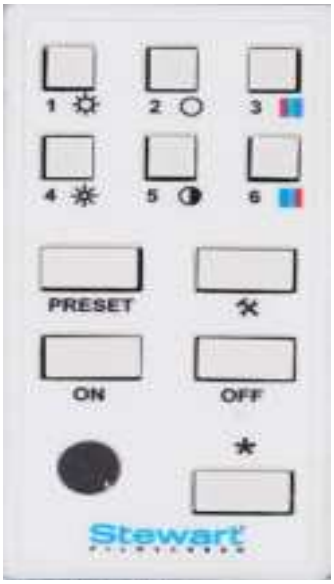


Figure 29: Front of IR wall switch

Figure 30: Rear of IR wall switch with RJ25 input

OPERATING THE SCREEN

The method you use to raise and lower the screen depends on the type of control system and motor you have installed.

⚠CAUTION

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

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 benefits from frequent and extended periods of deployment.

⚠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

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 Somfy 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 Somfy 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.

ADJUSTING THE SCREEN'S DEPLOYED (DOWN) STOPPING POSITION

This is the number one adjustment that users may need to make. A projection screen may require that the deployed stopping position, the "White" switch, be readjusted from the factory setting.

This adjustment will be made using the "White" limit switch (see Figure 35). 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 the "White" limit switch when the screen is stopped in its fully retracted, "up" position. Turn the "White" motor limit switch clockwise to reduce top masking settings.

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 the 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 35).

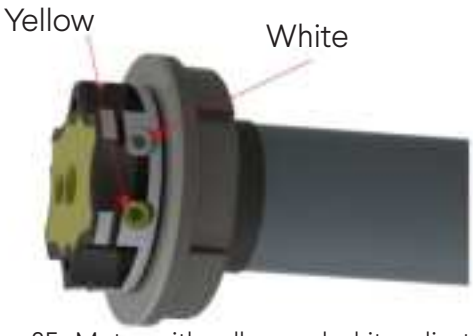


Figure 35: Motor with yellow and white adjuster screws.

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

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 Cabaret 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.

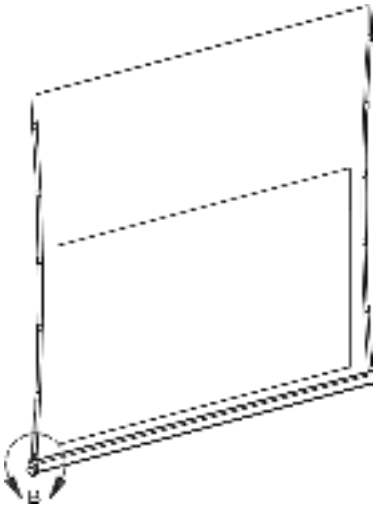
ADJUSTING THE SCREEN TENSION

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.

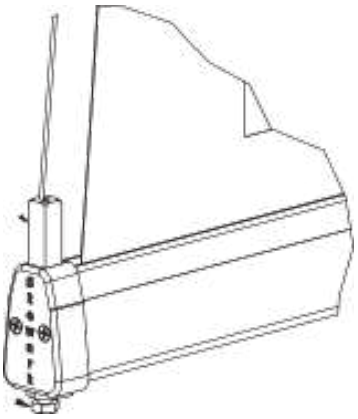
The objective is to thread the screw into the ferrule just enough to get a very low amount of side line tension (approximately 3 to 4 turns). The side lines will now have less tension which is desirable. The result is that more batten weight will be distributed on the screen once this adjustment is completed. 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.



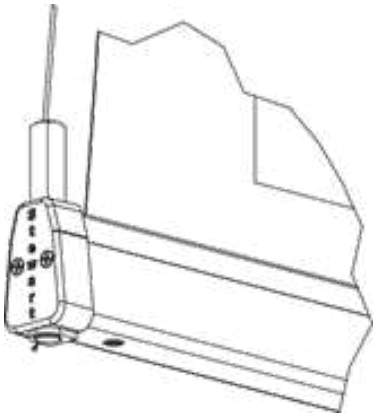
Front of Screen

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.

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.

MAINTENANCE NOTES

Stewart FILMSCREEN

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