



**Mounting Bracket
Screws & Driver Bit
(#2 Robertson)**



**Bracket Lock
Nuts**



**Wing End Cap Screws
& Allen Wrench**



Power Cord

**Wall Switch /
Limit Setting Tool**



**Wall Switch
Cable (8' Length)**



IR Remote & Receiving Eye



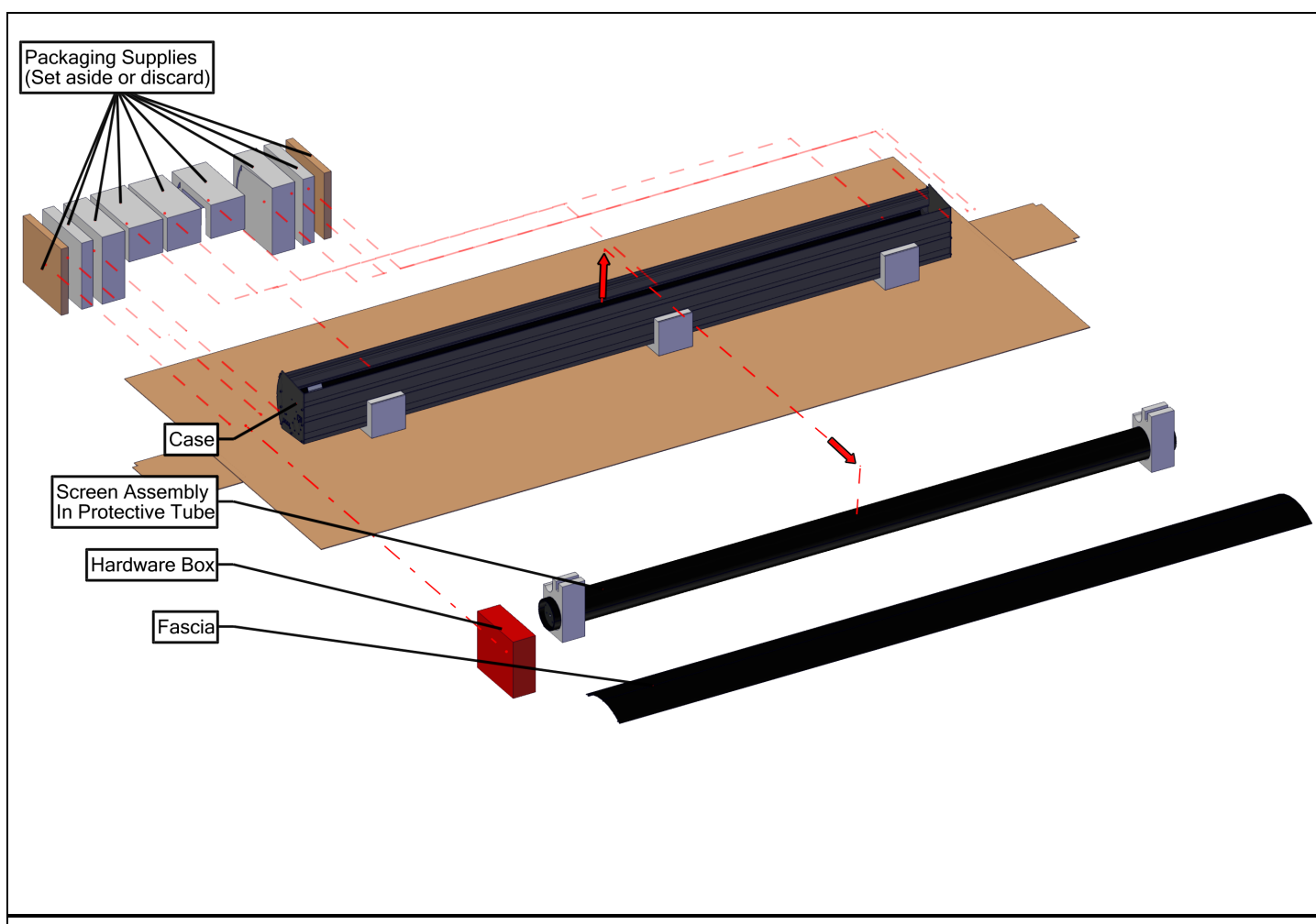
**Low Voltage
Trigger Jacks (2)**



Cautionary Statements

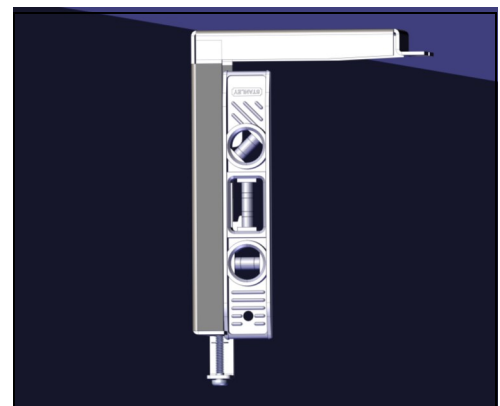
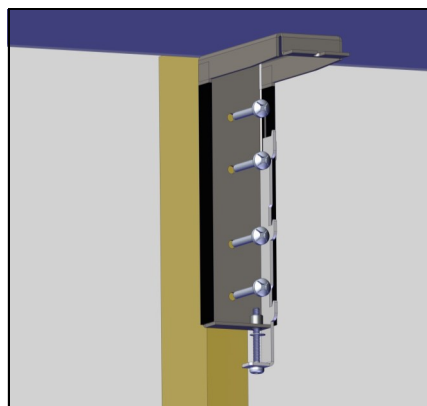
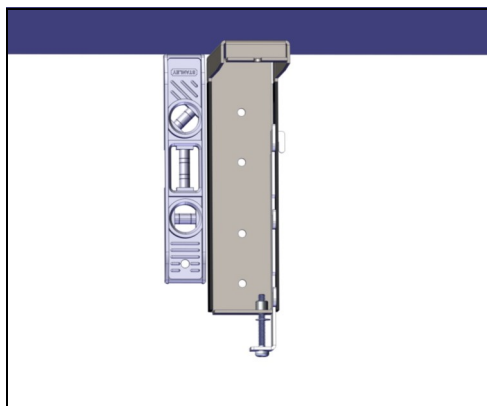
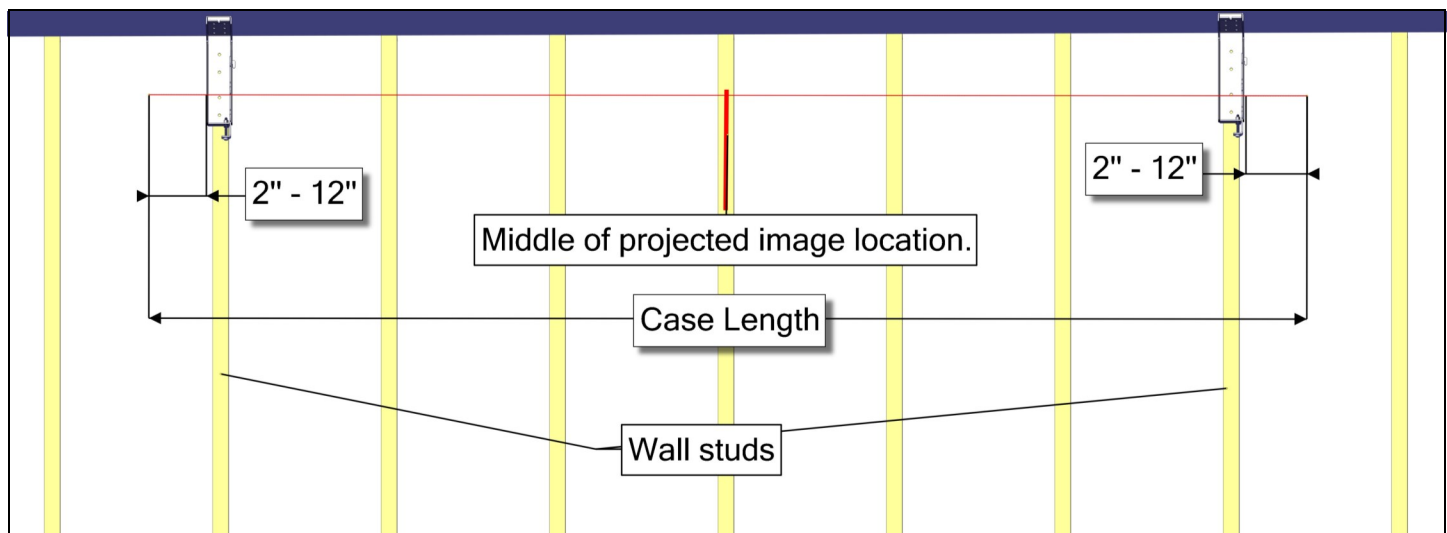
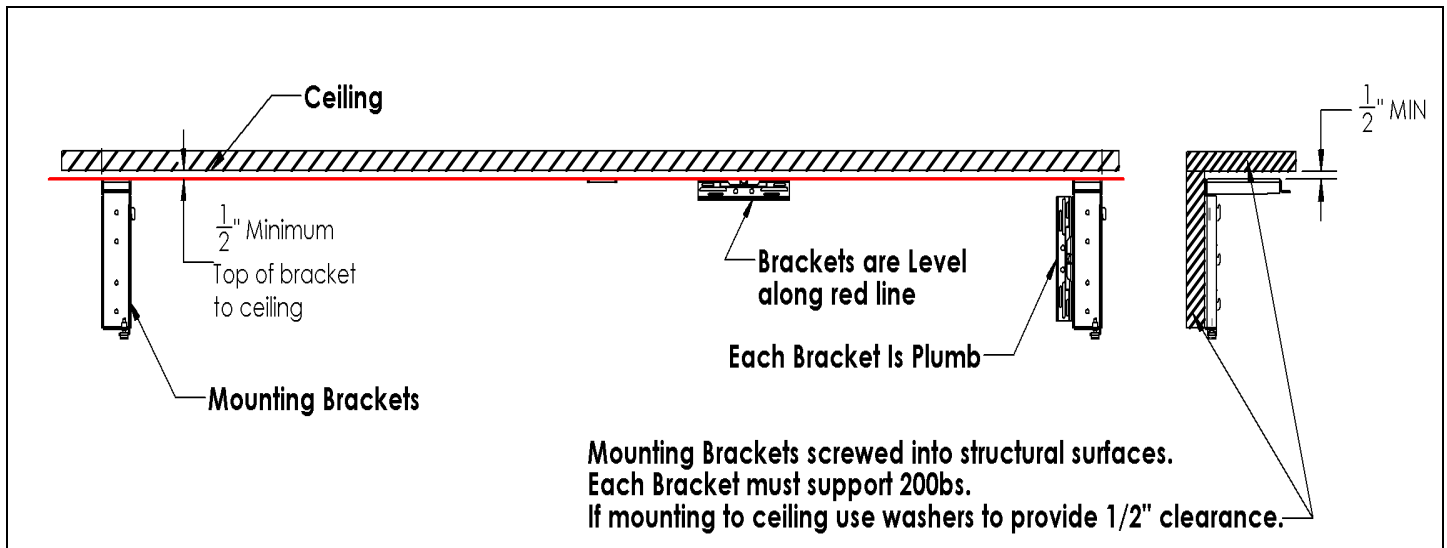
- 1) The required Operating Temperature Range of this product is 65F - 85F (15C - 29C).
- 2) Due to the effects of thermal expansion, this screen must be protected from exposure to direct sunlight.

Unpacking the box



Installing the brackets

1. Determine the mounting position of the brackets on the wall. Provide at least 1/2" clearance between top of bracket and ceiling to allow for fascia clearance. Make sure the brackets are securely mounted to structural lumber 2" to 12" from each end of the case. **Each bracket must be able to support 200lbs.**
2. If mounting to the ceiling use washers to provide 1/2" clearance between top of bracket and ceiling. Use a torpedo level to establish that the brackets are level and plumb. (See illustrations below.) Screw the mounting brackets into the wall or ceiling using the provided #2 Robertson square driver bit and Deck Mate screws.



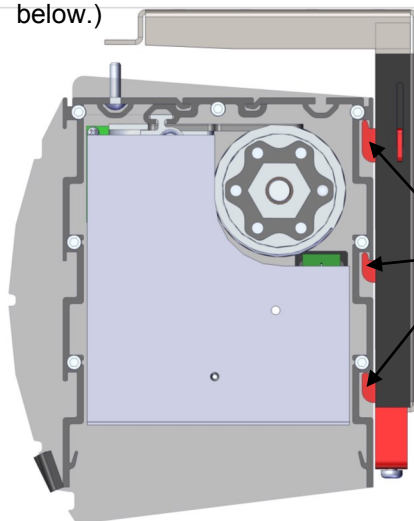
Hanging the cassette—two installers and two ladders are required to safely lift the cassette into position.

3. Center the cassette under the brackets with the cassette opening on the floor and the curved section facing away from the wall.



Important Note: Before installing brackets, be certain the structural components where the brackets are attached will enable each bracket to support 200 lbs.

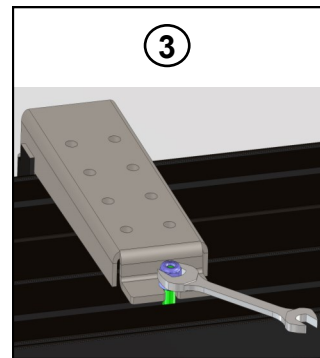
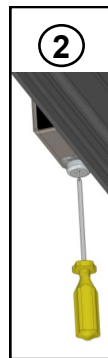
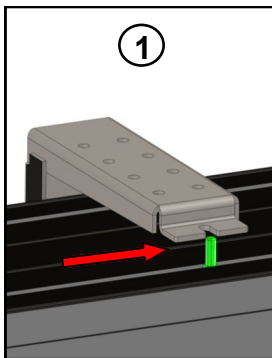
4. With two installers and two ladders, lift the cassette up onto the hooks on both wall brackets. Make certain all 3 bracket hooks are securely engaged into the channels on the cassette. (See drawing below.)



All three bracket hooks must be engaged within the cassette channels.

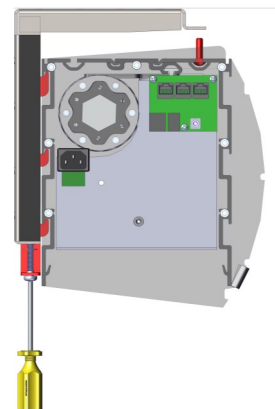
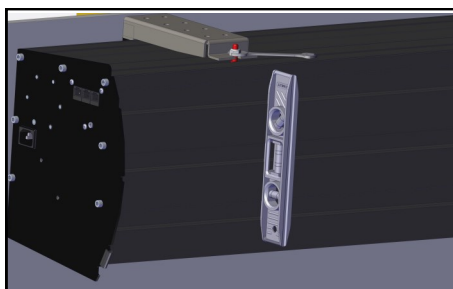
5. Verify that the cassette is centered in the viewing area. If not, move it left or right to align.

6. Slide the machine screws in the top of the cassette with the center slot of each bracket. See first drawing on right.



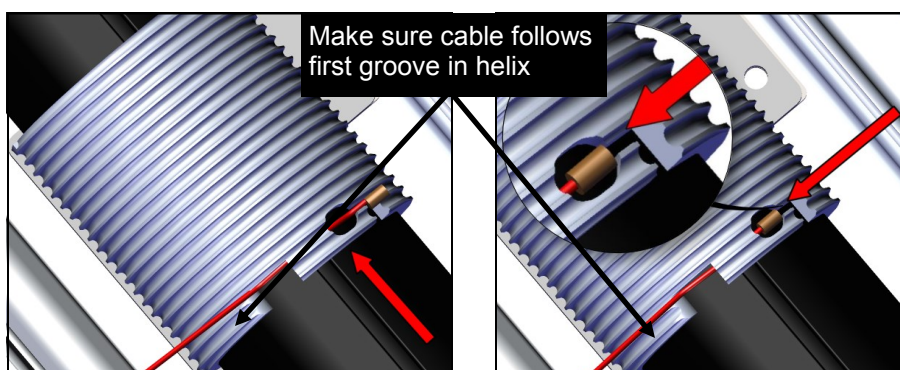
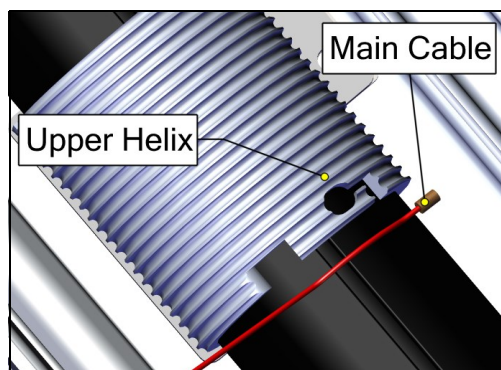
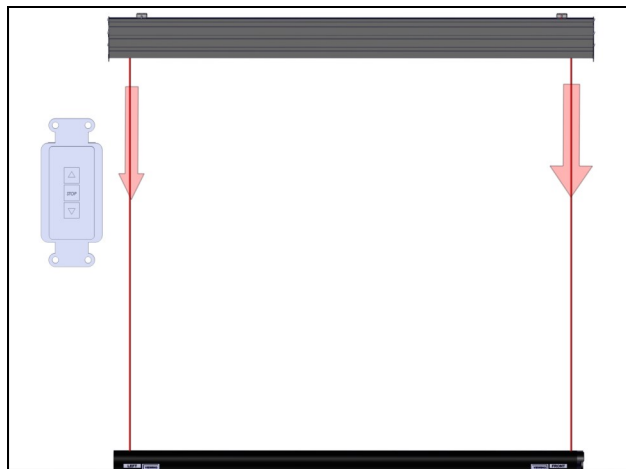
7. Using a Phillips screwdriver, tighten the screw at the bottom of each bracket until snug. Make sure the machine screws at the top stay aligned with the bracket slots so that they do not prevent the case from moving up into the top surface of the bracket. See drawing 2 on the right.

8. With a torpedo level on the top or front of the case, install and tighten the provided lock nuts onto each of the two machine screws until the case is plumb. (See drawing 3 on the right.)



Connecting the screen assembly to upper cassette

9. a. Position the black screen packing tube on the floor centered directly below the case. The "Left" label will be on the viewer's left hand side, while the Front label should be visible on viewer's right side.
9. b. Connect the wall switch by first plugging the RJ45 end of the wall switch cable into any of the RJ45 ports on the left side of the case. Next, plug other end of the cable (RJ9) into the port on back of Somfy wall switch-make sure to press in until it clicks.
9. c. Plug in the supplied power cord to power the screen.
9. d. At each end of the black screen tube, locate and unwrap the left and right steel cables—they are wrapped in grey foam packaging material. Connect the steel cables to the threaded helices (inside the case) by first sliding the cable underneath the edge of the helix as shown below. Pull down on the cable to lock it in place. Refer to the three drawings below for guidance.



Raising the screen using the wall switch

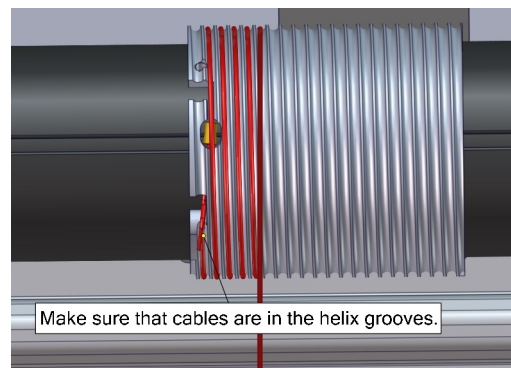
11. a) **IMPORTANT:** The wing and tube are going to be lifted up off the floor-make sure the wing and tube are centered and nothing is interfering with the cables before raising the screen.

Hold to wind cables onto helix.



Pull straight down on cables until screen is raised off the floor.

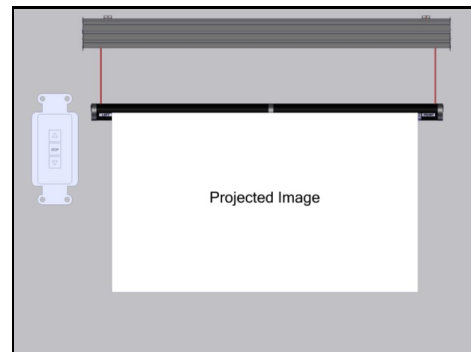
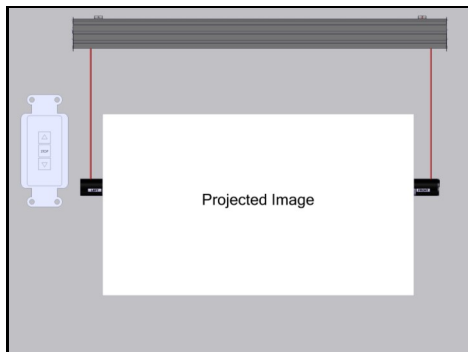
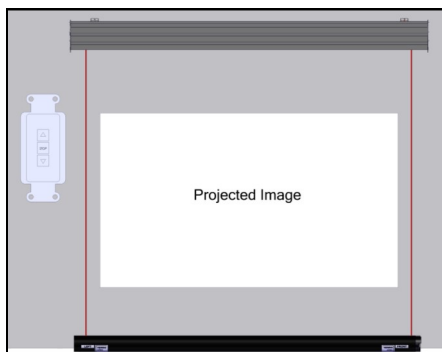
11. b) With one on person on each side, guide the cables into the first groove of the helices, and apply downward tension to straighten each cable to plumb.



11. c) Using the wall switch, press and hold the Up arrow button until the screen is lifted off the floor, then release the button to stop the screen. During this step, **DO NOT PRESS THE STOP BUTTON** as it will reverse the direction of the motor. If you inadvertently reverse the direction of the motor, you can change it back to the correct direction by pressing the stop button again.

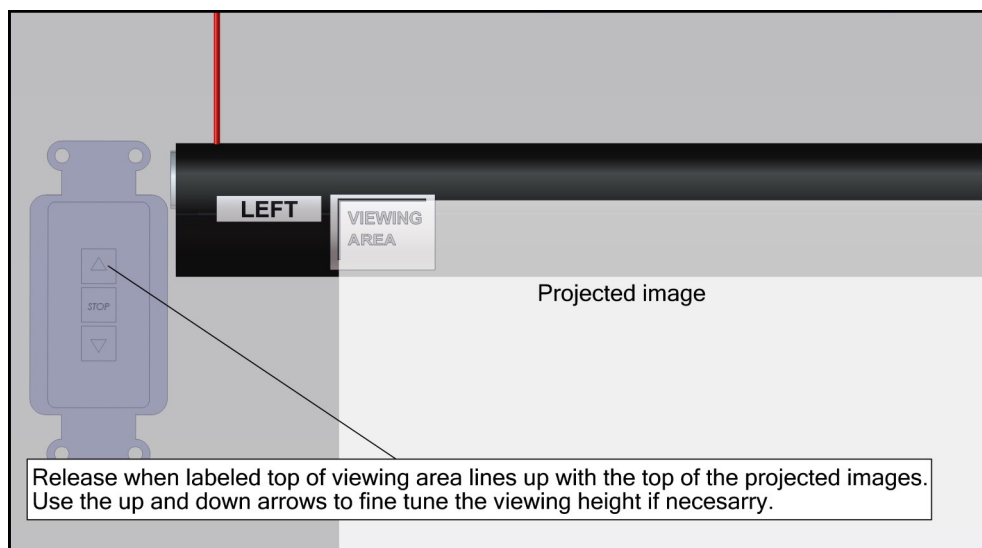
11. d) Once the screen has been lifted off the floor by the cables, verify that the cables start in the first groove, and are following the grooves of the helix as shown in the above right image. If you experience a problem with the cables, lower the screen with the Down button, realign the cables with the grooves, and repeat step 11.c).

Setting the viewing height and installing the wing end caps

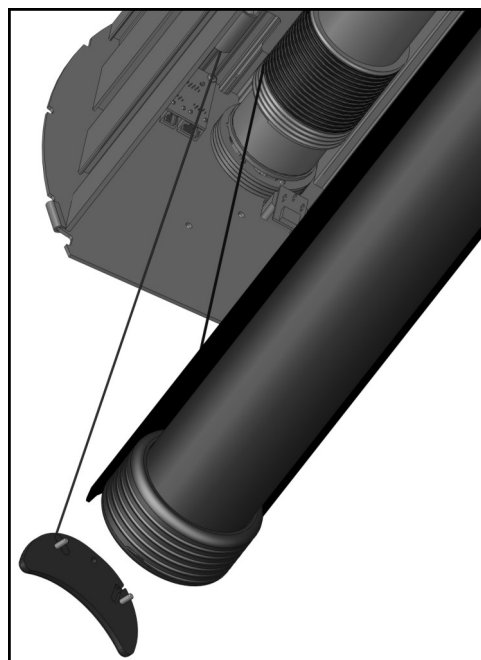


12. a) Raise the screen to the desired viewing height. Start by turning on the projector and projecting the image at the desired height on the wall.

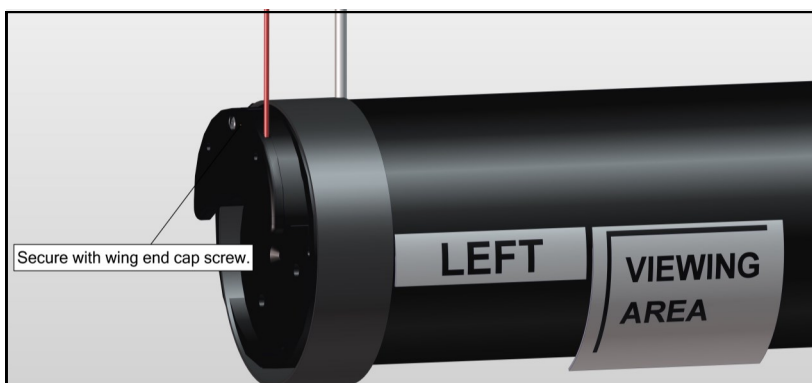
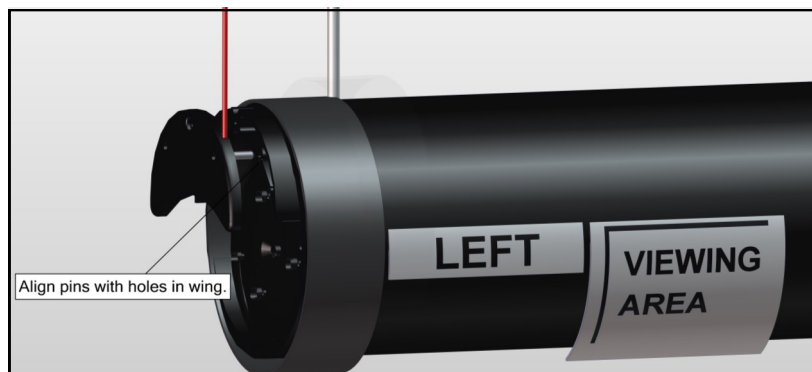
12. b) Using the wall switch, press and hold the Up arrow button to raise the screen. Release the button when the top of the projected image is roughly aligned within corner lines on both sides of the tube. Fine tune the screen height by pressing the Up and Down arrow buttons as necessary.



13. Locate the wing end caps inside the cassette and pull each down to the end of the wing as shown in the drawings below.



14. Align pins with holes in wing and secure with black hex screw.

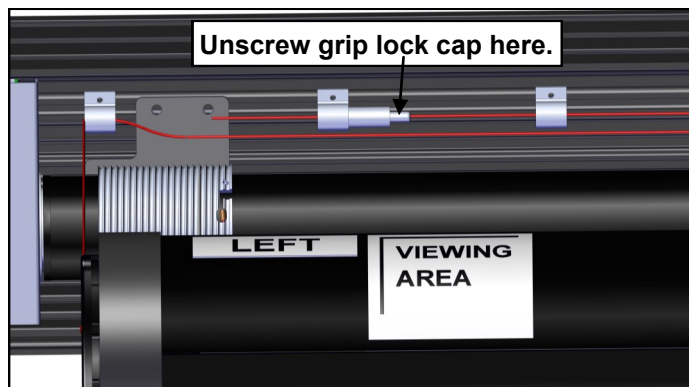


Locking the final height of screen

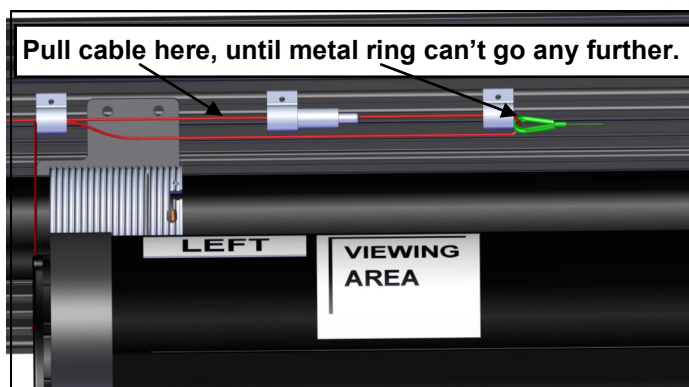
IMPORTANT NOTE: The following steps will permanently lock the final viewing height in place. Do not proceed with these steps until you're certain of the final viewing height, and that the screen is set to that position as described in Step 28.

To **permanently set drop**, perform these steps on **each side** of cassette:

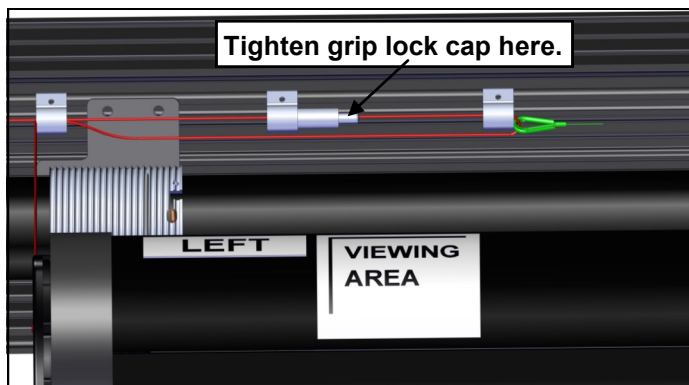
15. a. Unlock the grip lock by unscrewing the cap where the cable passes through—this will allow the cable to be shortened to the proper length. See drawing on the right.



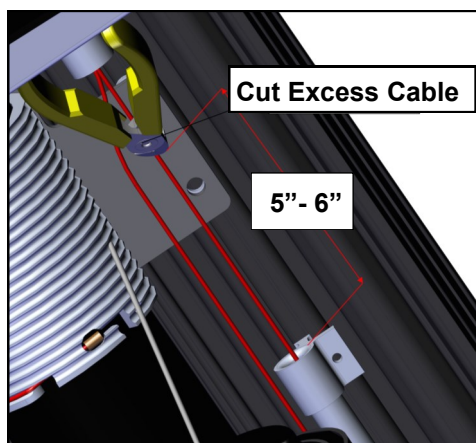
15. b. Pull cable through the grip lock toward the end of the cassette until the metal loop can't go any further—this will take slack out of the cable and set the height of the wing. See drawing on the right.



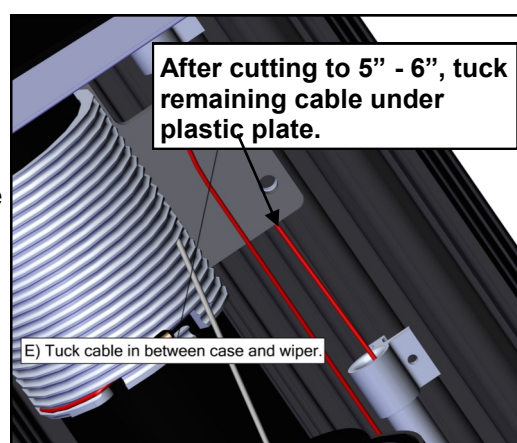
15. c. Turn grip lock cap clockwise to lock the cable in place. See drawing on the right.



15. d. Cut excess cable between 5"-6" from end of grip lock as shown in the drawing on the right. Be certain to cut the proper end of the cable—it should be the tag end that's hanging down below the cassette opening.

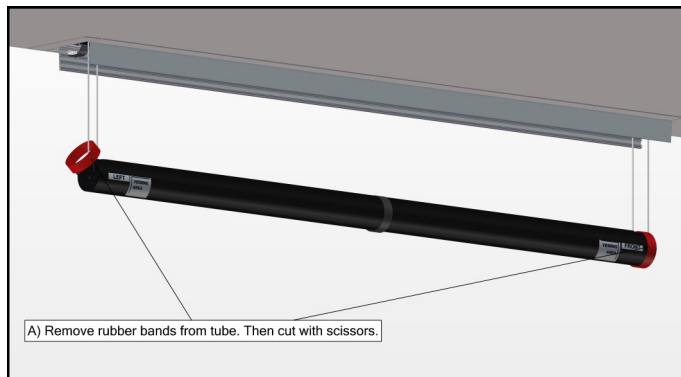


15. e. Tuck leftover cable under plastic plate as shown in the drawing to the right. Discard the excess cable that you've cut.

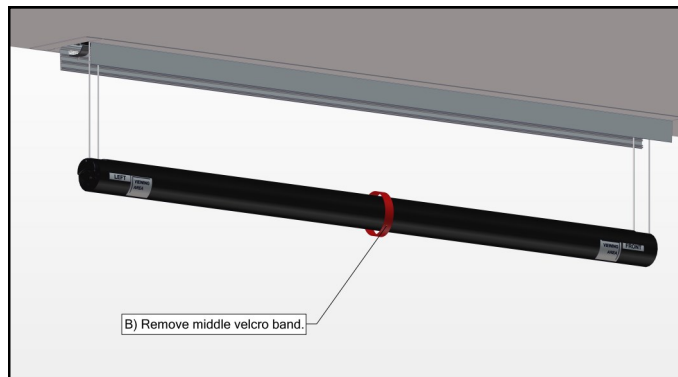


Removing protective tube from screen

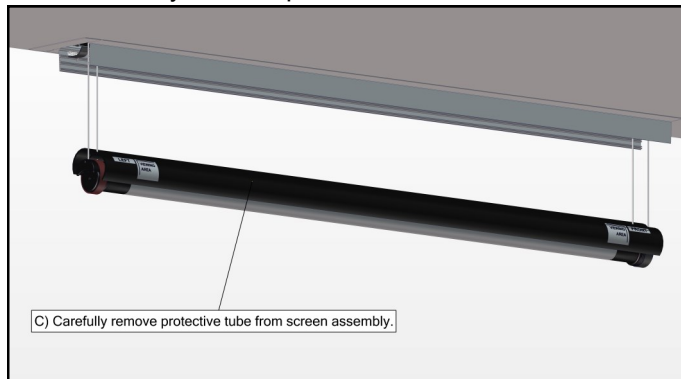
16. a. Slide rubber bands off tube on each end, then cut with scissors and discard.



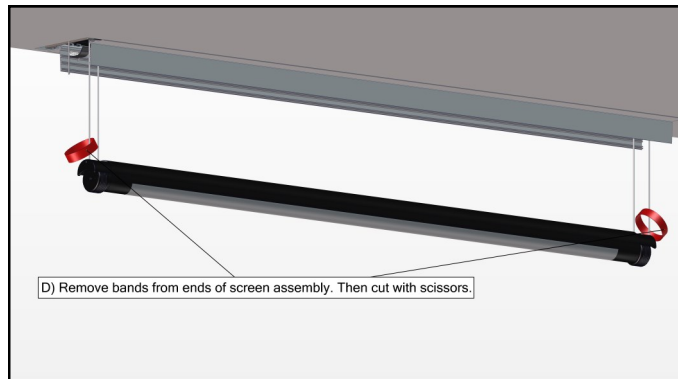
16. b. Remove Velcro band from middle of tube and discard.



16. c. Carefully remove protective tube from screen assembly.

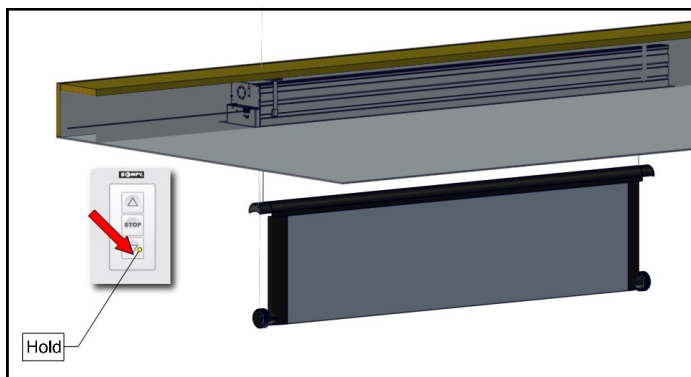
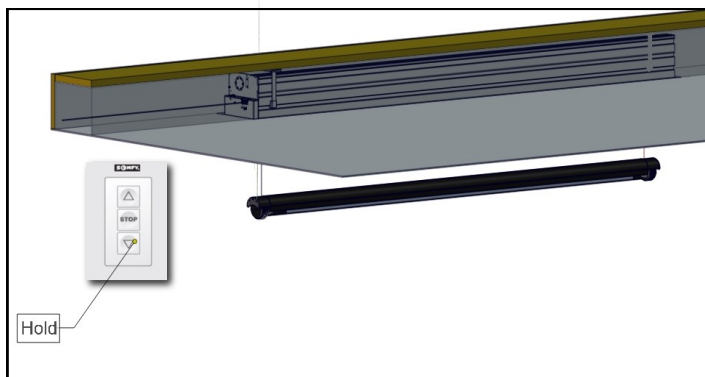


16. d. Remove rubber bands off tube on each end, then cut with scissors and discard.



Setting the lower screen limit (Video Chapter 12—28 seconds)

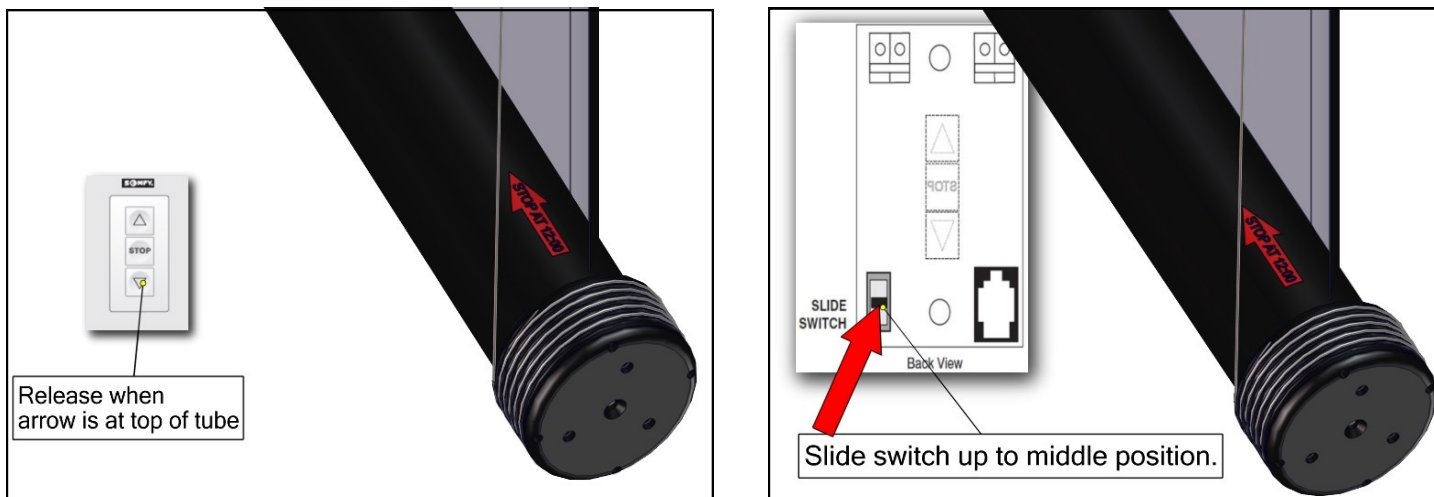
17. Using the wall switch, press and hold the Down arrow and the screen will begin to open (continued on next page).



Setting the lower screen limit

18. a) Continue unrolling the screen with the Down button while carefully watching the bottom tube from behind the screen. Release the button when the arrow on the tube is at 12:00—denoted by a red arrow on the tube (as shown in the images below). You may toggle with the Up and Down arrows to fine tune the 12:00 position of the arrow.

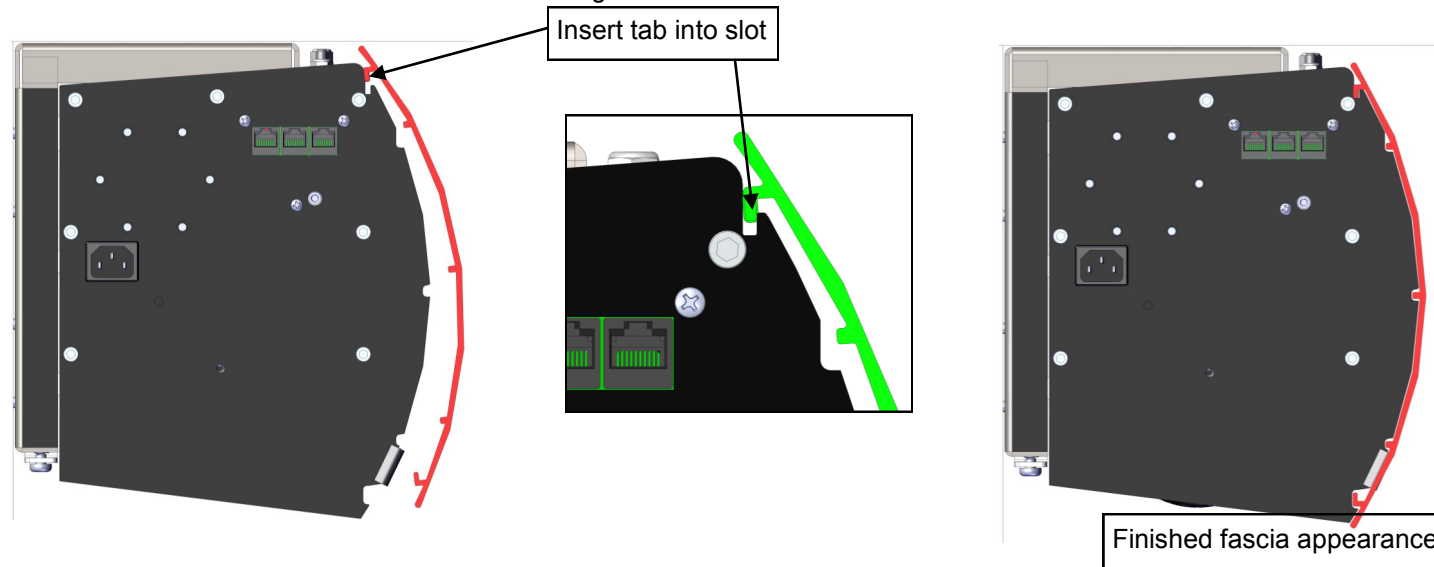
18. b) Turn the wall switch over, and move the slide switch from the lower position to the middle position as shown in the below right image. Do not proceed until the slide switch is in the middle position. The upper and lower limits of the motor are now set and the screen is ready for operation.



Attaching the fascia

19. a. To attach fascia, lift it over the top edge of the cassette and insert the tab on the fascia into the slot in the top front of cassette. (See illustrations below.)

19. b. Press the bottom of the fascia to secure it against the case on both sides of the cassette.

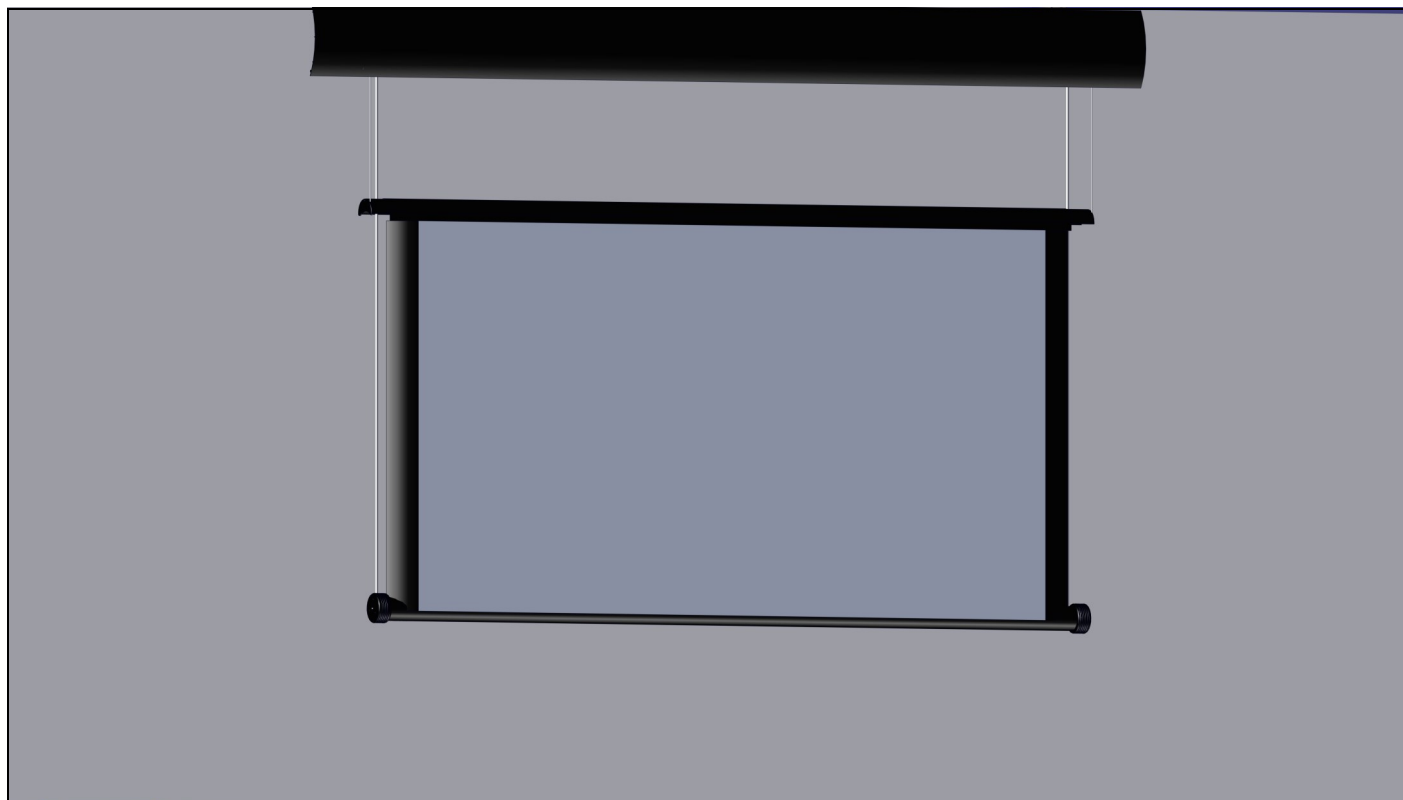


Included Controls:

- **Low Voltage Trigger**—Install the supplied 3.5mm plugs (mono cable—tip is positive) at each end of shielded 2 conductor 18 gauge (or larger) wiring (supplied by installer)—plug in to 3.5mm port in end of cassette. Low Voltage Trigger is DC 3V ~ 12 V and min. 50mA; maximum length is 65 ft.
- **IR**—Plug IR Receiving Eye cable into any of the supplied RJ45 ports, install batteries in remote and test. HEX CODES Somfy ILT motor using IRT103 Remote
- **Wall Switch**—Plug the small end (RJ9) of the supplied data cable into the back of the ILT Wall Switch. Then plug the larger end (RJ45) into any of the supplied RJ45 ports. The switch may be used as a wall switch and also serves as a limit adjusting tool.

Operating screen and confirming limits

20. Operate the screen as desired using the control method you've selected for your screen. Please note: Running the screen excessively may signal the thermal protection circuitry on the Somfy motor to temporarily stop the motor. This is not a serious problem. The motor will be able to be operated after the motor has been given time 20-30 minutes to cool down.



Operating the Screen

The most stable method of controlling the operation of your screen is the use of a Low Voltage Trigger. This method lowers the screen for use when the projector is powered on, and raises it when the projector is turned off. When not in use, the screen is protected from needless exposure to scrapes, dust, pets, and other unnecessary risks.

Regardless of the control method you select, be certain to raise the screen after using—by following this advice, it will be rolled on the tube and safely nested inside the case. It's the best way to extend the screen's useful life.

Installer Notes: _____
