

4" Blackout Pocket and Track System Installation Guide Preliminary Document

Caution: Your shades must be made specifically for use with this black out pocket and channel system. Special deductions are made to the shade assembly to ensure it fits properly in the pocket and channels. You can not use standard shade construction with this system. www.AV-Outlet.com sells the blackout components and does make shades to fit this system.

Overview: The goal of this document is to provide installation guidelines for cutting and installation of the 4" Pocket with side channels for use with motorized LT30, ST30 and ST50 shade systems.

The Components

- A) [3", 4" or 6" Pocket](#)
- B) [Pocket Closure](#)
- C) [Pocket End Plates](#)
- D) [2 Piece Side Channel](#) that snaps together
 - The piece that looks more like a "[J](#)" shape is normally called the "[Front](#)" Piece.
 - The piece that looks more like an "[L](#)" is normally called the "[Back](#)" Piece.
- E) [Bottom Channel](#)
- F) Motor Brackets – Vary depending on type of installation. LT30 and ST30 Motors will use [RB360](#) type Brackets and LT50/ST50 motors will require a customized Fascia bracket.
- G) [Light Blocking Brush](#)
- H) Appropriate Screws for installation – We do not recommend rivets.

Vital Component Measurements

Note: Check the dimensions on the received pieces to ensure the MFG did not make any unforeseen changes to the design.

- 4" Pocket: 4.10" H x 4.54" D Outside Dimension
- 4" Pocket End Plate: 0.075" Thick
- Side Channel Assembled: 1.22" D x 2.35" W Outside Dimension

Deductions - 4" Pocket - Off-Site Cutting - Inside Frame Mount

Note: Where possible we recommend cutting onsite to ensure the best fit.

- Pocket Length with End Plates – Subtract 0.150" from mounting width
- Pocket Length without End Plates – Cut to Mounting Width
- Bottom Closure with End Plates – Subtract 0.215" or 7/32 from mounting width
- Bottom Closure with ST50 Motor Brackets – Subtract 0.215" or 7/32 from mounting width
- Bottom Closure without End Plates – Subtract 1/16" or 0.0625" from Mounting Width
- Notch Bottom Closure – Only Required for ST50 Motors
- Back L Shaped Side Channel – Outside Mount - Window Frame Height minus 4.10" (Pocket Height)
- Back L Shaped Side Channel – Inside Mount - Overall Height minus 3.6" (4.10" minus 0.50")
- Front J Shaped Side Channel – Inside/Outside Mount – Overall Height minus 3.6" (4.10" minus 0.50")
- Bottom Channel – Window Frame Bottom Width minus 2"

Installation and Cutting - 4" Pocket - On-Site Cutting - Inside Frame Mount

- 1) Measure mounting area width – This must be at the top of the window area
- 2) Cut Pocket to length
 - a. With End Plates - Subtract 0.150" from mounting space width for a tight fit.
 - b. Without end plates - Cut the pocket to same length as the width of the mounting space.
- 3) Install Pocket Into window frame - With or Without End Plates

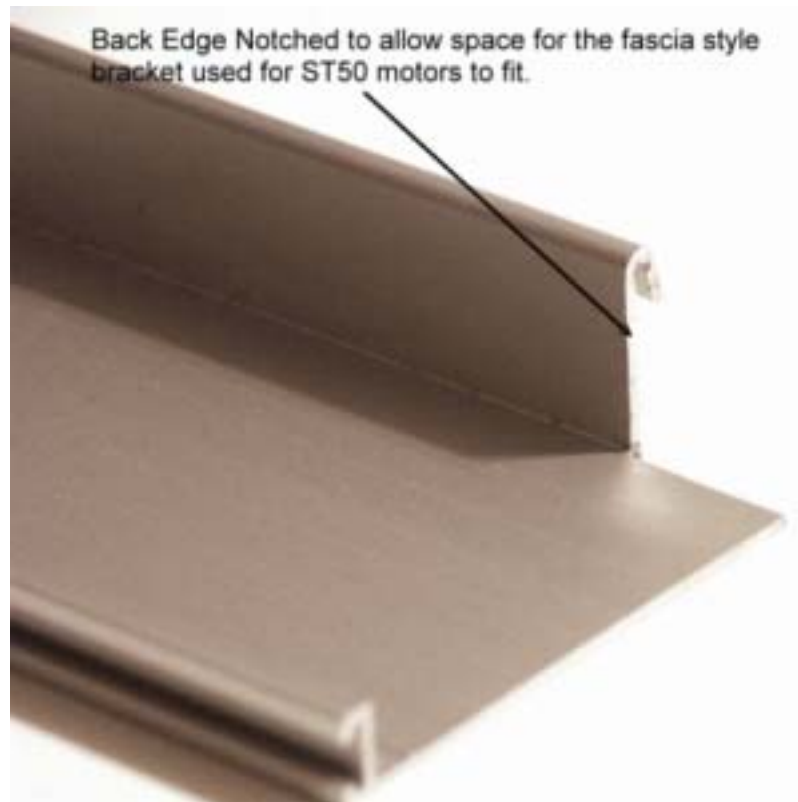
- a. LT30 or Sonesse ST30 Motors
 - i. Center the RB360 brackets in the inside top of the pocket and flush with the ends end. You can not mount the brackets to the front or back of the pocket because the shade will not be centered.
 - ii. Outside Frame Mount – We recommend countersinking the screw holes in the top surface and using a screw and nut.
 - iii. Mark the mounting holes for the brackets drill for appropriately sized screws. **Note:** Make sure you have the brackets properly orientated or the holes will be in the wrong spots.
 - iv. Mark and drill additional holes to be used to attach pocket to the window frame
 - v. Makes any holes necessary for power supply wires or brackets. We actually Velcro attach the battery wands to the bottom closure. This seems to be most convenient.
 - vi. Attach Shade Brackets and ensure they are flush with the ends of the pocket.
 - vii. Attach Pocket End Plates if being used.
 - viii. Install and secure pocket to the frame using appropriate screws
 - ix. Install Shade Brackets using appropriate screws
- b. Sonesse 50 ST50 Motors
 - i. Attach the pocket using appropriate screws at the location of choice. The ST50 motors use Fascia brackets that slide into place so you will want to avoid putting screws closer than 3" from each end.



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- 4) Cut Pocket Closure to length
 - a. With End Plates - Subtract 0.215" from the mounting space width
 - b. Without end plates – Subtract 0.0628" from the mounting space with.

Comment: The extra deduction with the bottom closure allows for easier installation and removal of the bottom closure for maintenance.
- 5) Notch Pocket Closure – Only Required for Sonesse 50 ST50 Motors
 - a. Cut off the back edge used to hang the close in the pocket $\frac{3}{4}$ " from both ends. This allows the closure to fit in with the fascia style ST50 Motor brackets.



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- 6) Install light blocking brush in the pocket closure to the length of the light blocking brush channel.
- 7) Install Shade Assembly. We recommend installing the shade assembly now. It will be easier with minimal obstructions to attach power cords.
- 8) Power and program the shade. If you attached your battery wand to the bottom enclosure you will need to install the bottom closure so you can power the shade. We recommend programming now without the side channels and bottom channels fully installed because again we want minimal obstructions so you can more easily see what is happening. Refer to your motor programming instructions.

EXTREME CAUTION: Depending on the size of your shade there may be NOT enough space in the pocket to allow the hem and slat to rotate over the tube. If you go too high while adjusting the shade limits you can damage your shade and motor!!!!

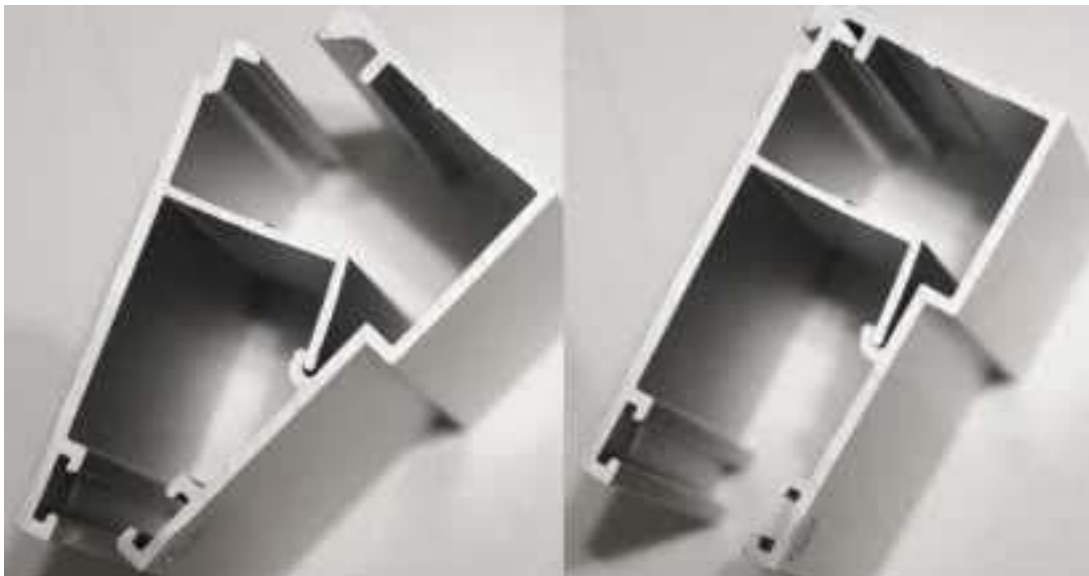
- a. You can set the lower limit 3/4" off the bottom. This will provide adequate height to install the bottom channel without having the shade bottom out.
- b. Operate the up and down a few times after programming is complete. Make sure the shade material does not roll off the tube to the left or the right. If your shade walks off to one side and you are having difficulty repositioning brackets you can use the following procedure to fix walk-off.

Fixing Material Walk-Off

- i. Note the direction of the shade material walk off. (Left or Right)
- ii. Roll the shade all of the way down.
- iii. Take a piece of paper, a business card is good, and place it in the roll on the end opposite the direction of the shade material walk off.
 1. If the shade walks off to the right put the paper on the left.
 2. If the shade walks off to the left put the paper on the right.
- iv. If the paper test fixes the problem replace the piece of paper with masking tape. 1 or two strips of masking tape may be required to emulate the paper thickness used for testing. When placing the tape in the roll be sure to place it far enough up

the roll so it is not visible. If the assembly is motorized, the programmed limits may prevent full travel of the shade and you may need to reprogram the limits to allow for full travel.

- 9) Cut the Back "L" shaped side channel:
 - a. Inside Mount LT30 and ST30 Motors (No End Plates or ST50 Motor)
 - i. The "L" shaped channel piece will be sized to enter the pocket $\frac{1}{2}$ ".
 - ii. Measure the height from the bottom of the pocket to window sill and add $\frac{1}{2}$ " and cut to this length
 - b. Outside Mount LT30 and ST30 Motors or Inside Mount w/ End Plates or ST50 Motor
 - i. The "L" shaped will be sized to be flush with the bottom edge of the pocket.
 1. It is possible to have the back channel piece go up into the pocket but notching of the side channel will be required. You can cut app. $\frac{1}{2}$ " off the short side of the L shape to make this fit. We do not do this as a precut option for customers.
 - ii. Measure the height from the bottom of the pocket to window sill and cut to this length
- 10) Install light blocking brush in the "L" Shaped channel and allow it to overhang the top edge by 1". The extra brush extending into the pocket helps to guide the hem of the shade into the side channels.
- 11) Install "L" Shaped channel in position. Drill and screw as necessary to ensure the channel piece is secure.
- 12) Cut Front "J" shaped side channel
 - a. The "J" shaped channel piece will be sized to enter the pocket $\frac{1}{2}$ ".
 - i. Measure the height from the bottom of the pocket to window sill and add $\frac{1}{2}$ " and cut to this length
- 13) Install light blocking brush in the "J" Shaped channel and allow it to overhang the top edge by 1". The extra brush extending into the pocket helps to guide the hem of the shade into the side channels.
- 14) Snap the "J" shaped channel into the already mounted "L" shaped channel.



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- 15) Cut the bottom channel to the width window frame bottom minus 2".
- 16) Slide the bottom channel into the side channels. It will be a firm fit.



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- 17) Attach bottom closure and test installation with caution.
- 18) If you end up with light leaks you can use caulk or plumbers putty to fix gaps left by out of square window frames. The plumbers putty can be easily applied with your fingers and cleans up pretty easily.
- 19) Sometimes customers experience reflected light issues where the light is intense. We provide black adhesive backed fabric to address this problem. Identify where the reflected light is a problem. Cut the black fabric to be slightly oversized and apply to the area to be addresses. Trim excess with a razor.

Feel Free to Contact Sales@AV-Outlet.com or call 1-877-271-5398 if you have questions regarding this system. www.AV-Outlet.com