

Zero Edge / Fixed

Installation Instructions

(Slate /AT, Maestro 2, Pure /AT, Short Throw)



INSTALLERS: PLEASE LEAVE THIS MANUAL WITH THE OWNER.

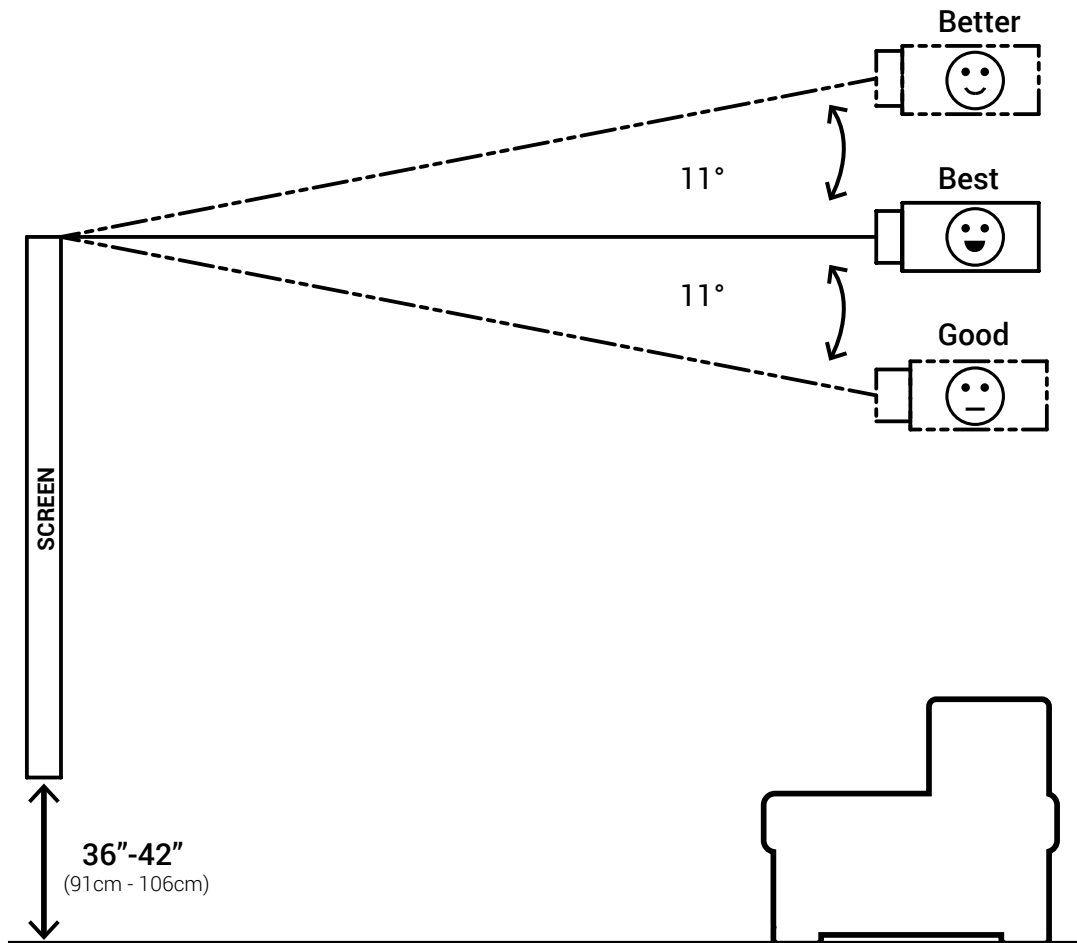


SUGGESTED PROJECTOR PLACEMENT



Please visit our Screen Material Wizard (screeninnovations.com/tools/screen-material-wizard/) for the minimum throw distance requirements based on screen material.

NOTE: Illustration below shows where the projector should be mounted when using Black Diamond or Slate materials.



SI WARRANTY



Scan the QR code to view the SI warranty for this product.

TABLE OF CONTENTS

Determine Frame Type	4
Standard - Inner Frame Assembly	5 - 6
Split - Inner Frame Assembly	7 - 9
LED Lights Attachment	10 - 11
Determine Your Material	12
Material Attachment Sequence – All Materials	12
Material Rolling	12
Slate, Short Throw, Pure Material Attachment	13
Maestro 2 (White) – AT Material – Attachment	14 - 15
PVC - AT Material (Slate AT, Pure AT) Attachment	16 - 17
Trim Attachment (Zero Edge and Fixed frame trim)	18 - 19
Wall Mounting	20
Flown Mounting	21
IP (Zigbee) Controlled Lighting Setup	22



Please visit support.screeninnovations.com to find all the updated documents, drivers and tutorial videos.



Use this QR code to see the video tutorials for Black Diamond or Short Throw snap attachment method



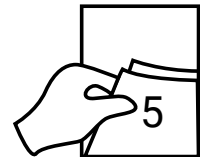
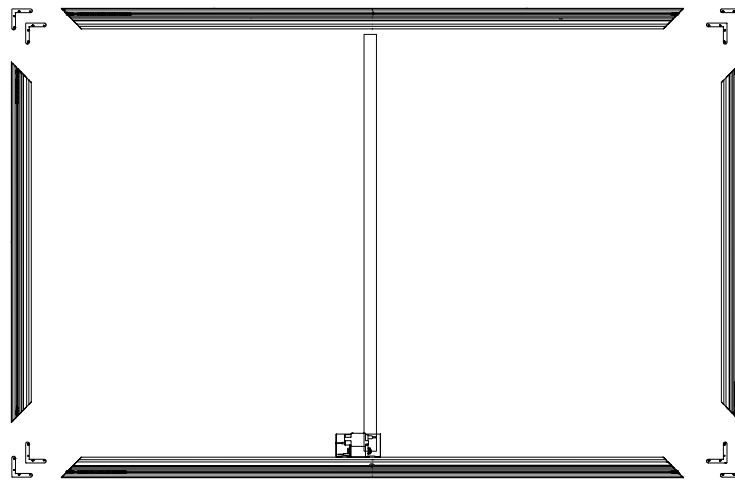
Use this QR code to see the video tutorials for Slate material.

For more technical support questions - Call: 512.832.6939 or email: support@screeninnovations.com
Hours of Support: 7:30am – 5pm CST | screeninnovations.com

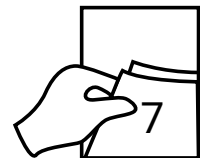
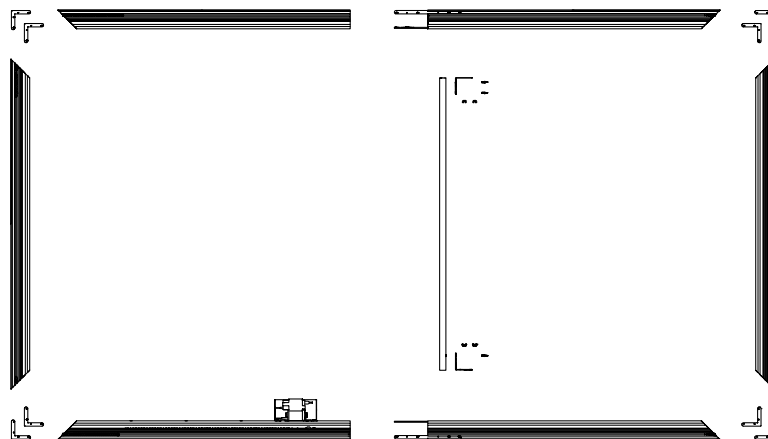
DETERMINE FRAME TYPE

Determine the frame type ordered. If the frame is 120" and above it will be Split frame assembly, anything below 120" will be standard frame assembly.

Standard Frame



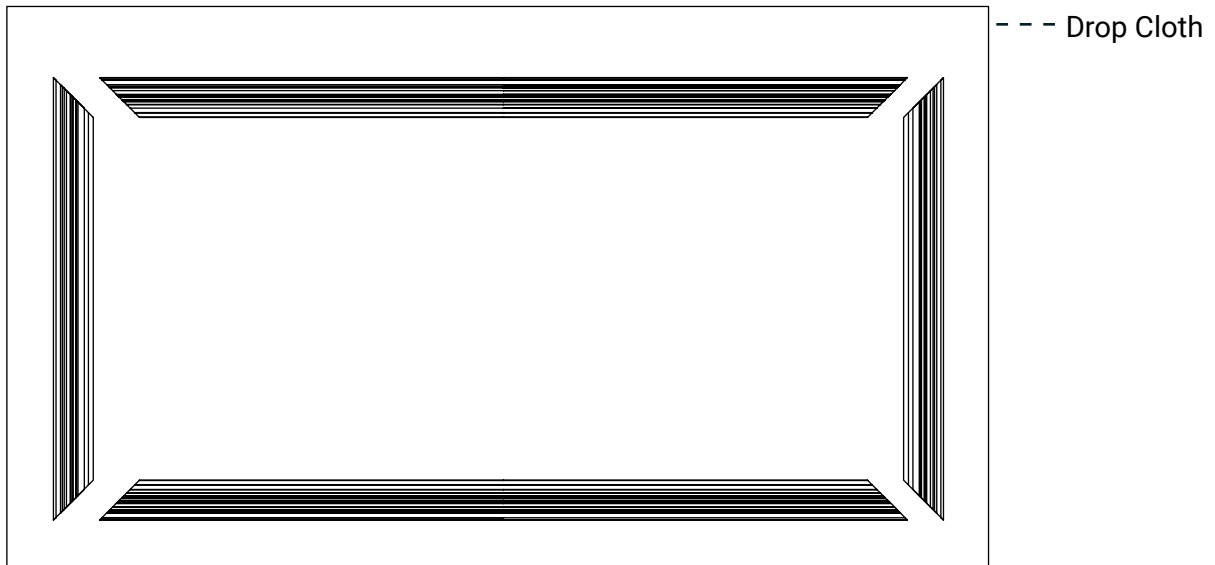
Split Frame



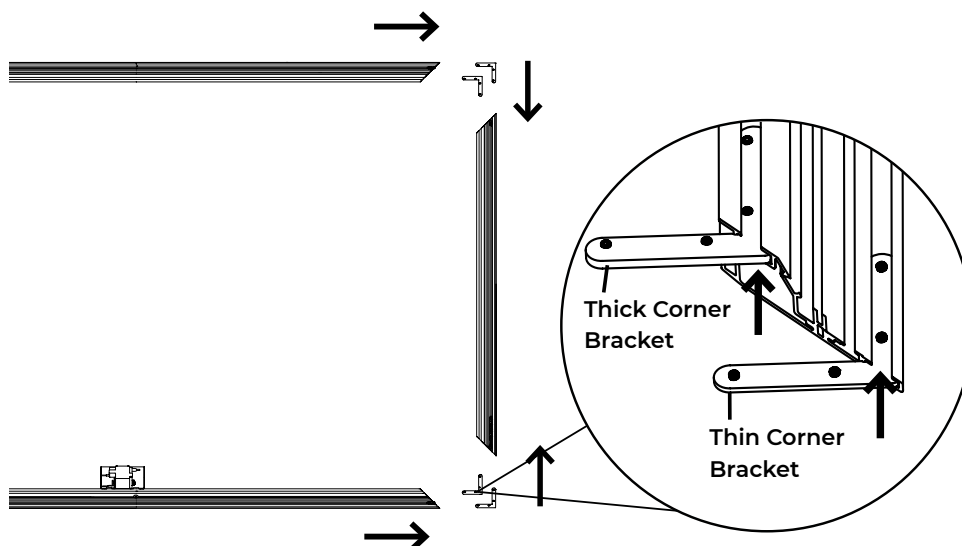
STANDARD - FRAME ASSEMBLY

- 1 Ensure the build is clean and free of debris, it is recommended that assembly be done on a clean drop cloth or similar.

NOTE: The frames are labeled but the lower horizontal frame can be identified by the hole allowing for LED cables, this is particularly important if an LED kit was ordered with the screen.

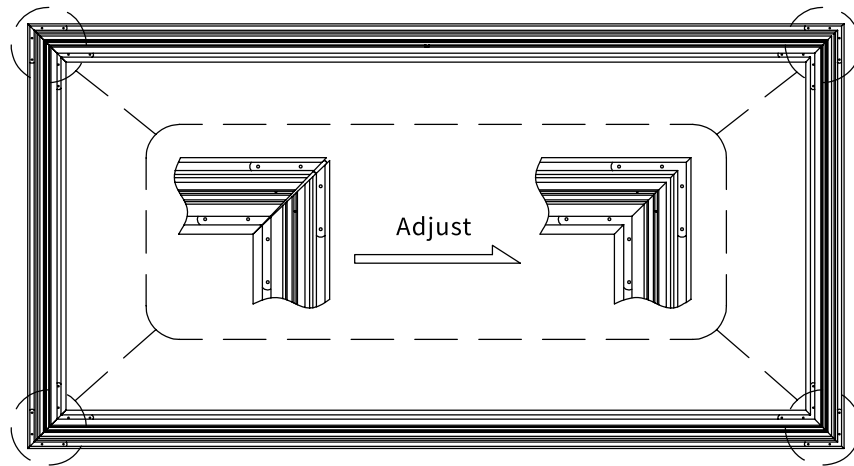


- 2 Insert the corner brackets as shown in the diagram, both thin and thick corner brackets have the same profile but as implied, one is thinner than the other. The thinner bracket is used in the channel closest to the outer frame edge.

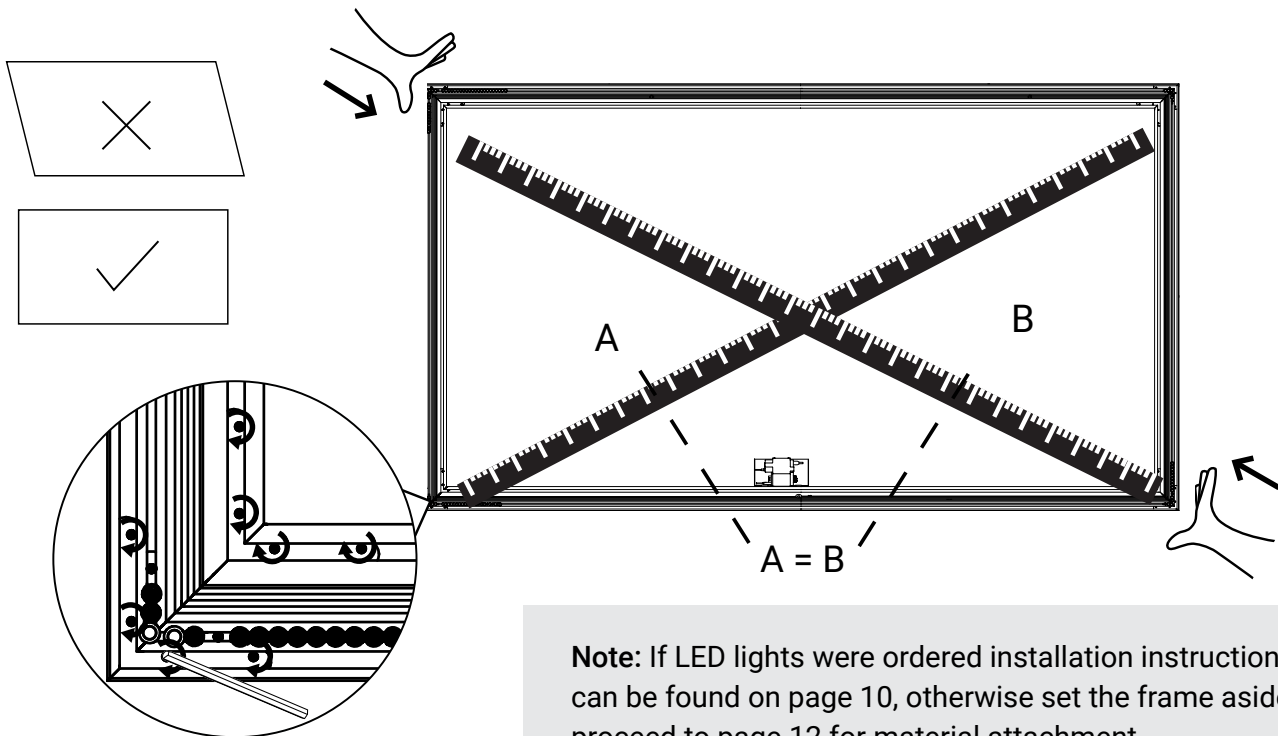


STANDARD - FRAME ASSEMBLY

- 3** Align the frame corners to be flush and 90 degrees before loosely tightening one set screw on either side of the corner (on each corner of the frame) the frame must be square before fully tightening frame screws.



- 4** Critical Step: Frame squareness is critically importance, refer to the diagram and measure the frame diagonals and compare. If the distance is not within 1/8", push from either side of the longer diagonal until each diagonal is measured within 1/8".

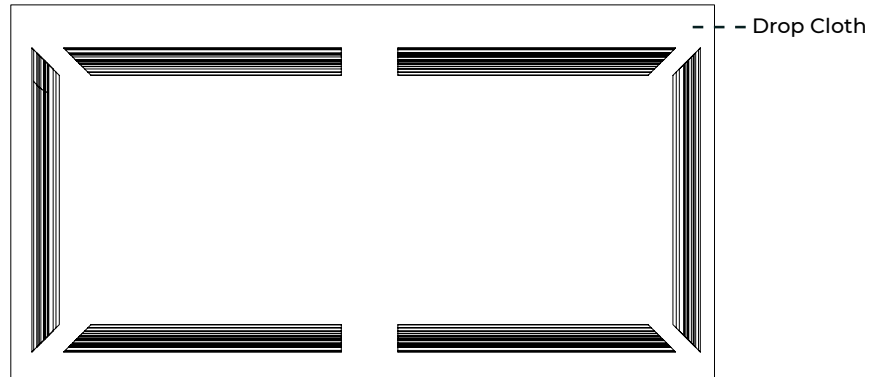


Note: If LED lights were ordered installation instructions can be found on page 10, otherwise set the frame aside and proceed to page 12 for material attachment.

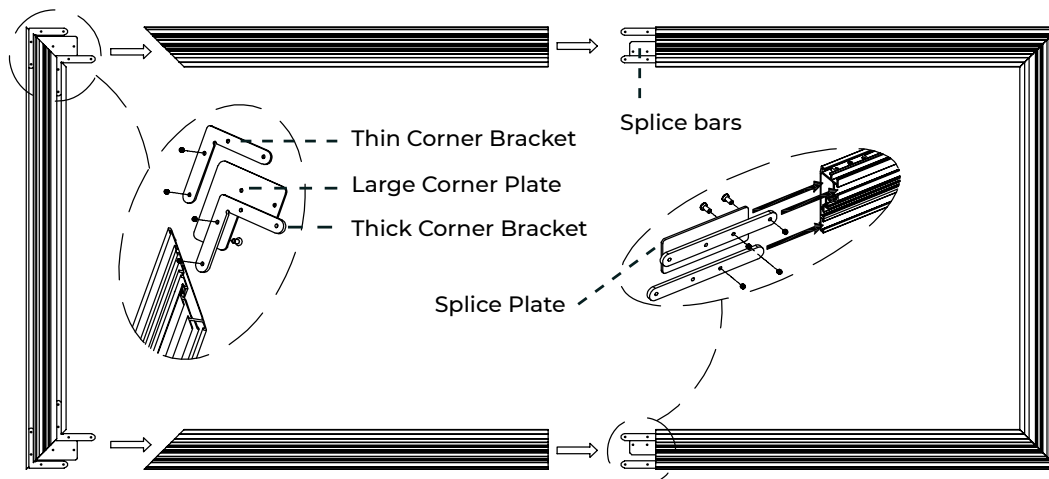
SPLIT - FRAME ASSEMBLY

- 1 Ensure the build is clean and free of debris, it is recommended that assembly be done on a clean drop cloth or similar.

NOTE: The frames are labeled but the lower horizontal frame can be identified by the hole allowing for LED cables, this is particularly important if an LED kit was ordered with the screen.

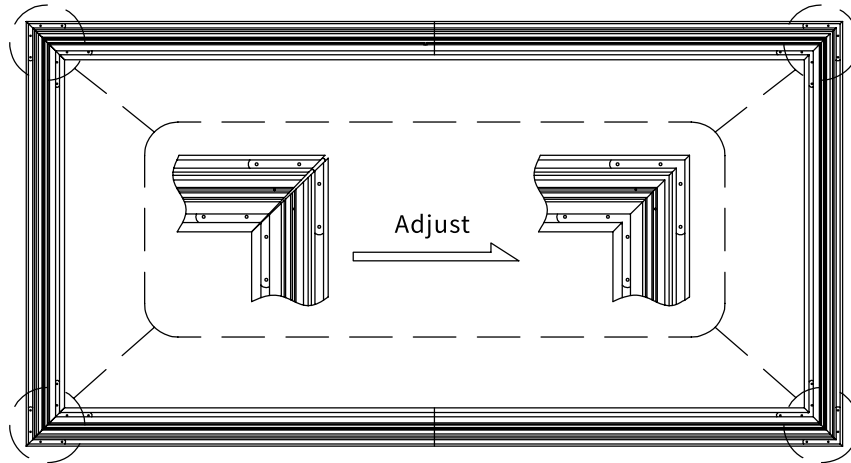


- 2 Horizontal frame pieces should be spliced before adding the vertical frames. Assemble the horizontal frame pieces by first installing the large splice bar into one of the horizontal halves and loosely add two counter-sunk screws through the front face of the frame. Next, slide the thick and thin splice bars into the horizontal frame and join to the second half of each horizontal frame. Align the frame halves before fully installing the countersunk screws through the front of the frame. From the frame back, align the remaining splice bars to have two set screw on either side of the splice and tighten the set screws. Insert the corner brackets as shown in the diagram; both thin and thick corner brackets have the same profile but thinner brackets are used in the edges of the frame and the thicker corner brackets. The thinner bracket is used in the channel closest to the outer frame edge.

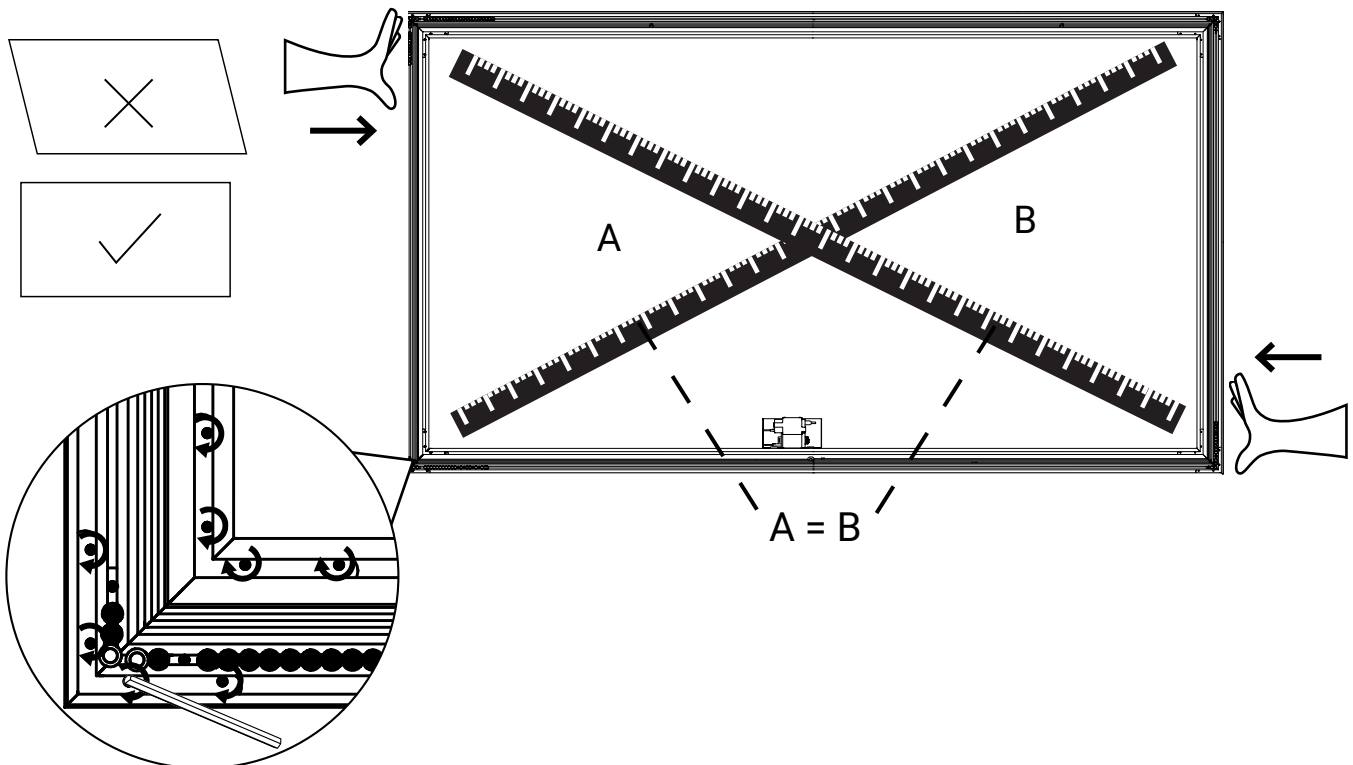


SPLIT - FRAME ASSEMBLY

- 3** Align the frame corners to be flush and 90 degrees before loosely tightening one set screw on either side of the corner (on each corner of the frame) the frame must be square before fully tightening frame screws.



- 4** Critical Step: Frame squareness is critically important, refer to the diagram and measure the frame diagonals and compare. If the distance is not within $1/8"$, push from either side of the longer diagonal until each diagonal is measured within $1/8"$.

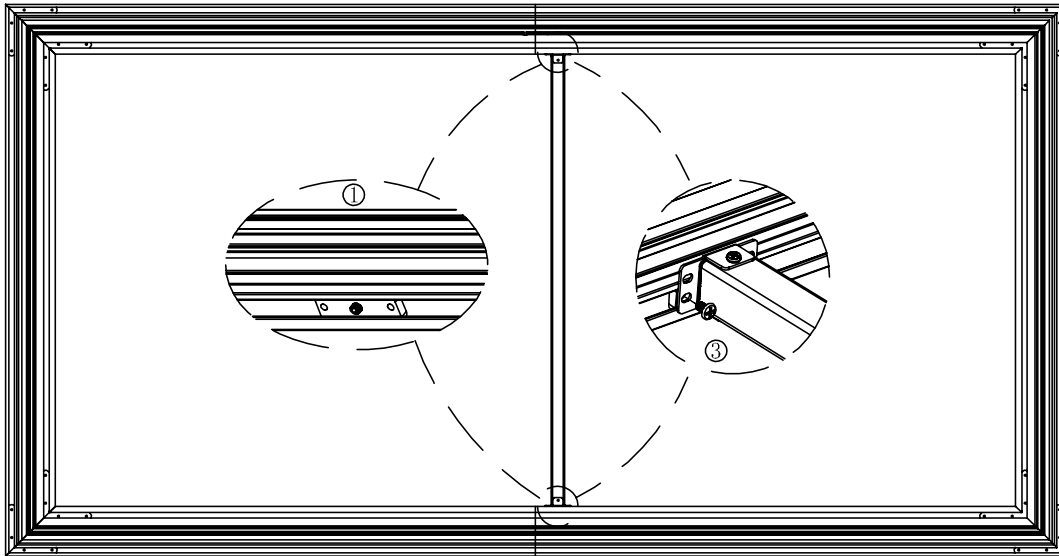


SPLIT - FRAME ASSEMBLY

- 5** Install the vertical support bar by aligning the channel plates to be roughly centered on the frame, loosely screw the support bar to the channel plates and adjust to square by measuring top and bottom to the same vertical frame before tightening fully.

Note: The vertical support bar can be installed off center to accommodate a center channel speaker or electrical outlet when using the LED kit.

Note: If LED lights were ordered installation instructions can be found on page 10, otherwise set the frame aside and proceed to page 12 for material attachment.



LED LIGHTS ATTACHMENT

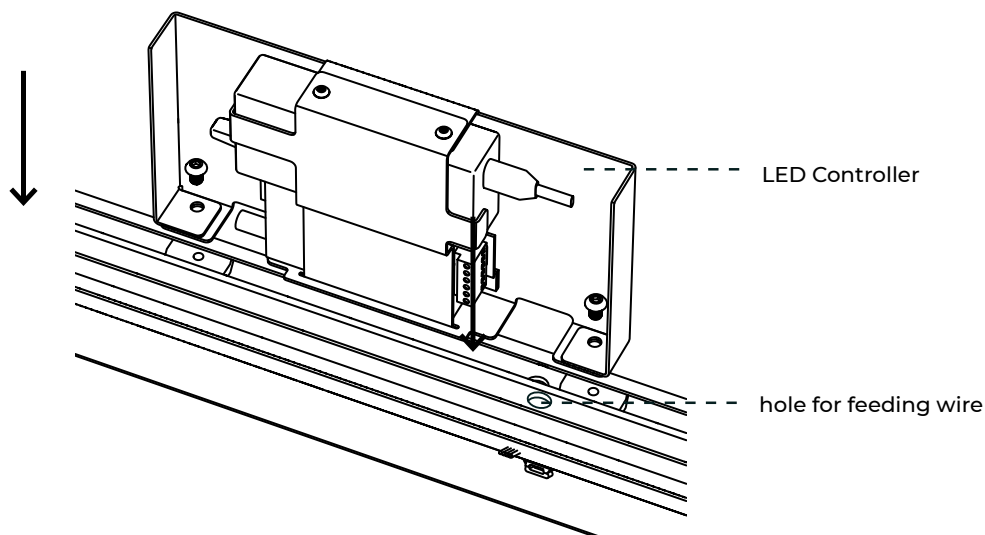


If IP (Zigbee) LED controller was selected, a Phillips Hue Hub is needed to accommodate integration and should be set up before LED's are powered. If added later, the IP LED controller will need to be forced into pairing mode which would require the screen to be removed from the wall if installed.



1

Connect the LED Controller to the nuts in the frame piece with the screws included.

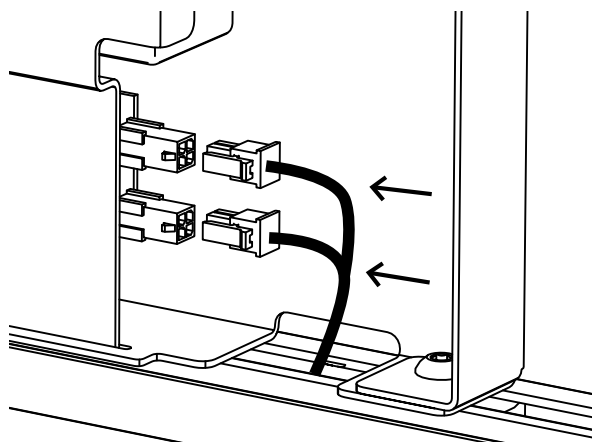


2

Feed the wires through the hole.

3

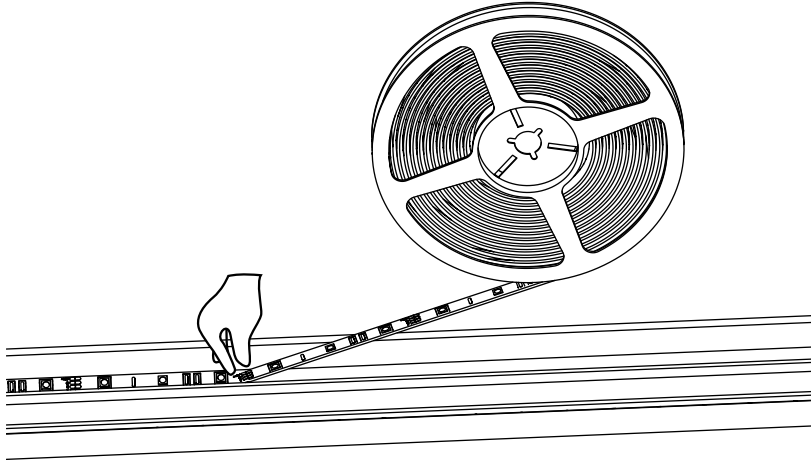
Plug the lights into the controller plugs.



LED LIGHTS ATTACHMENT

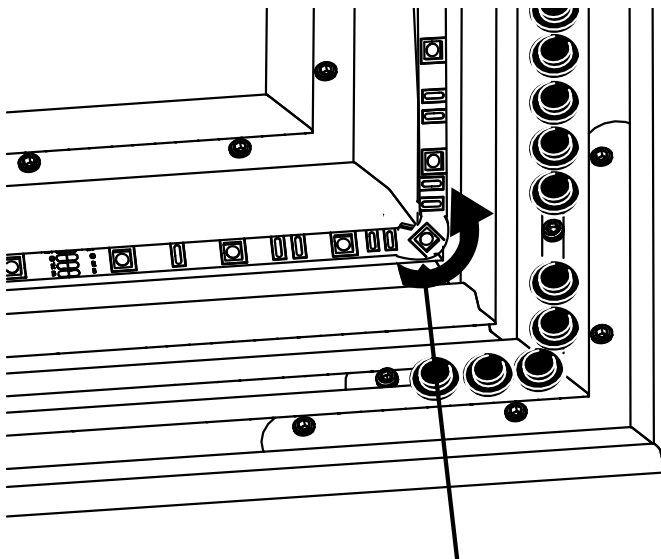
4

Note: Use caution in the next steps; do not kink or fold the light strip, which will cause damage in the circuit. Use the foam strips provided to loosely wrap LEDs around the corners.

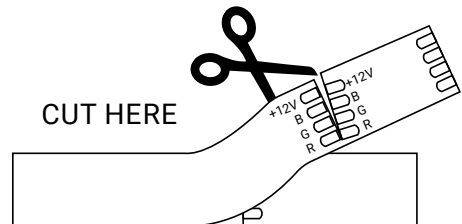


5

Press the lights into the channel on the frame. It is necessary to remove the adhesive backer, the LED strips are securely captured in the LED channel. LED foam must be used when rounding the corners to protect the circuit. Failure to do so will damage the LED strips. The strip should gently round the corner.



CUT HERE



Cut the light strips at the copper pad where indicated to the correct length so they just overlap at the middle of the top frame piece. DO NOT cut the light strips at any other location.

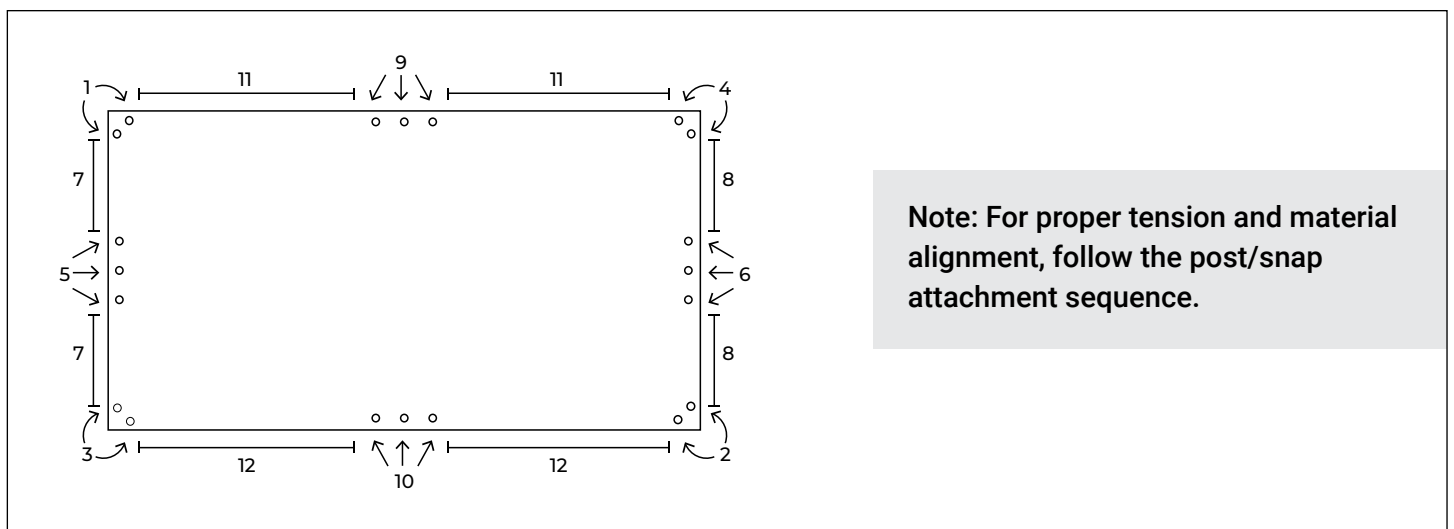


Scan this QR code to see the video for LED kit troubleshooting.

DETERMINE YOUR MATERIAL

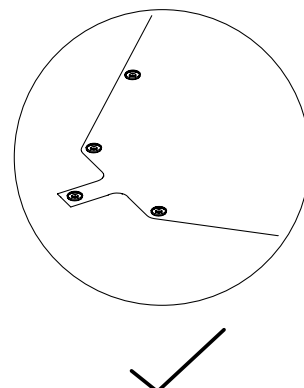
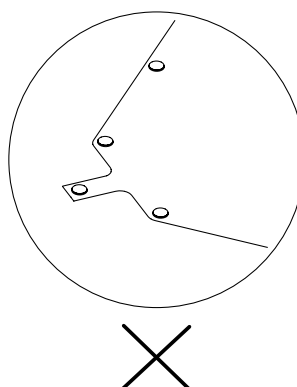
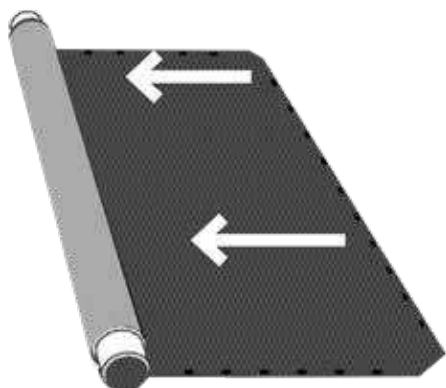
Non – AT Material (Slate, Pure, Short Throw)	Refer to page 13
Maestro 2 – White AT Material	Refer to page 14 - 15
PVC – AT Material (Slate AT, Pure AT)	Refer to page 16 - 17

MATERIAL ATTACHMENT SEQUENCE – ALL MATERIALS



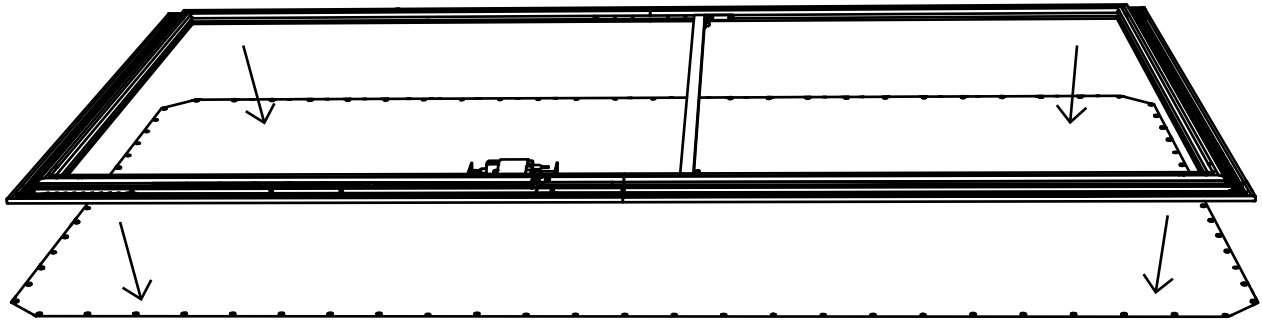
MATERIAL ROLLING

All material should unroll onto the protective sheet foam viewing side down, for material with snaps, the snap opening should face up when material is unrolled.



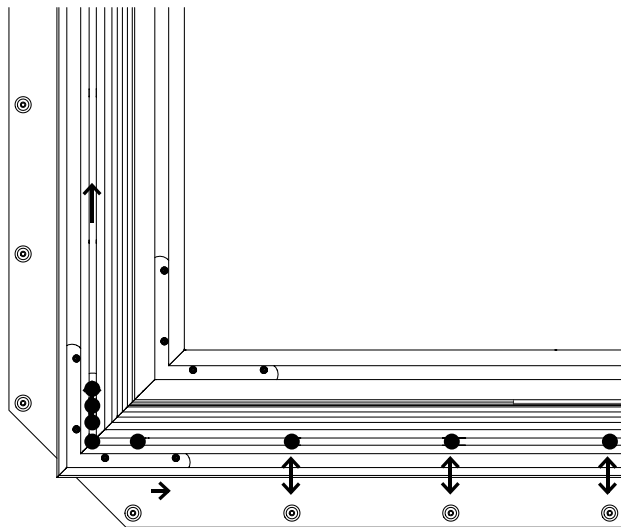
SLATE, PURE, SHORT THROW MATERIAL ATTACHMENT

- 1 Police the area for hardware, tools, or debris before laying out the included foam sheeting. Refer to the Material Rolling diagram at the bottom of page 12 for material orientation when unrolling the screen optic. Gloves must be worn when handling the material to prevent damage or marring of the screen optic.



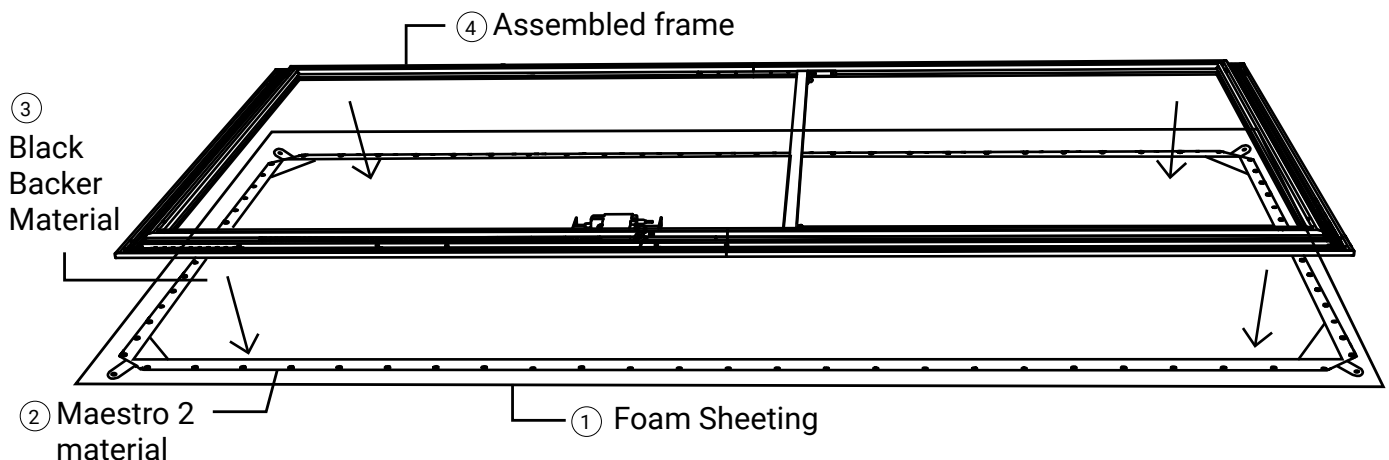
- 2 Frame layout requires at least two people to perform, larger frames would require additional more. Center and lay the frame onto the screen material keep the frame flat to the material to avoid puncturing the optic with frame corners.

- 3 Remove and discard the post retention bumpers and distribute the posts along the frame so they align with the holes in the screen material. Refer to the Material Attachment Sequence diagram on page 12 and begin attaching the material to the posts or snaps, for material using posts, slip the hole at the material edge over the post.



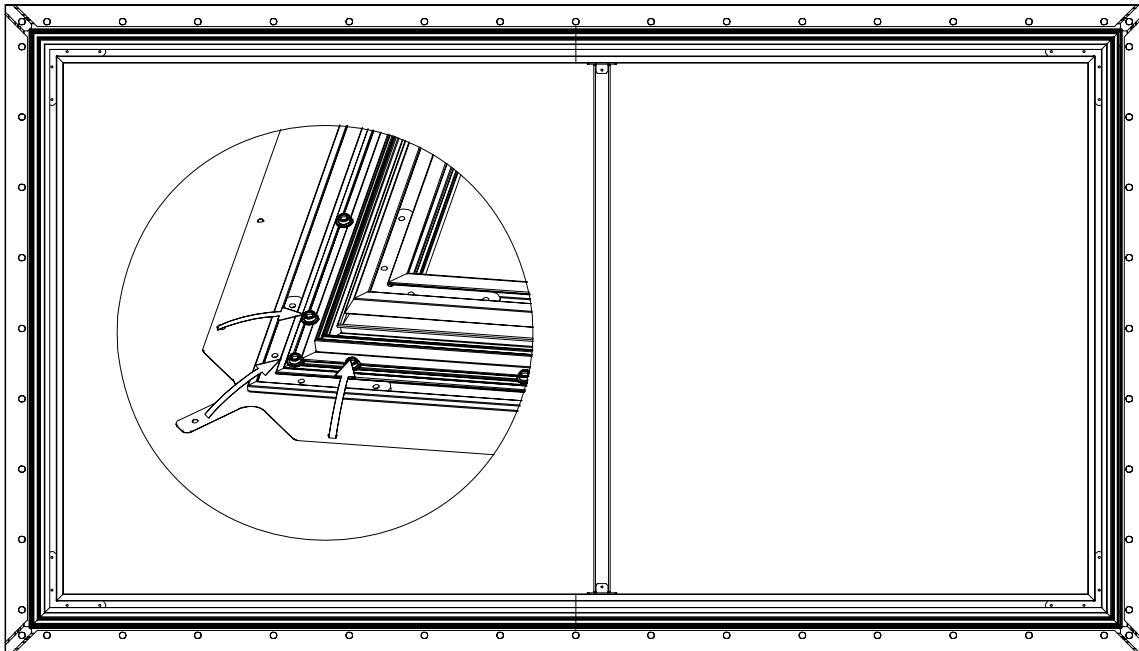
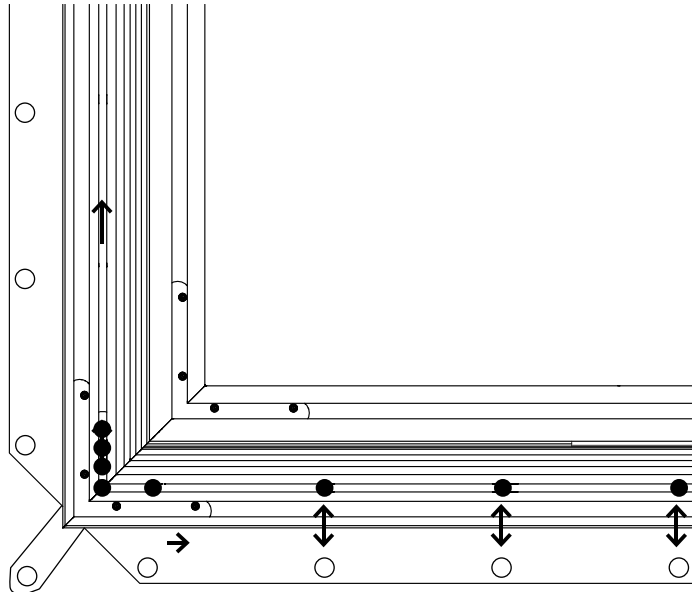
MAESTRO 2 – AT MATERIAL (WITH BLACK BACKER) – ATTACHMENT

- 1** Police the area for hardware, tools, or debris before laying out the included foam sheeting. Refer to the Material Rolling diagram at the bottom of page 12 for material orientation when unrolling the screen optic. Gloves must be worn when handling the material to prevent damage or marring of the screen optic.
- 2** Unroll the Maestro 2 material onto the protective foam sheeting viewing side down, the back is identified by the slight shine at the point where the white Maestro 2 attaches to the black tensioning media. Lay the black scrim centered on the screen material with corner pockets facing up.
- 3** Frame layout requires at least two people to perform, larger frames would require additional more. Center and lay the frame onto the screen material keep the frame flat to the material to avoid puncturing the optic with frame corners. Tuck the corners into the scrim and verify the frame is still centered.



MAESTRO 2 – AT MATERIAL (WITH BLACK BACKER) – ATTACHMENT

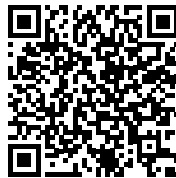
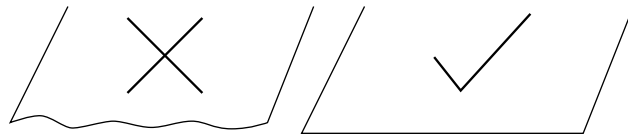
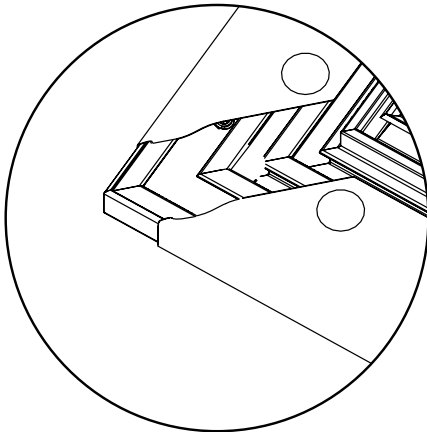
- 4** Remove and discard the post retention bumpers and distribute the posts along the frame so they align with the holes in the screen's black tensioning media. Refer to the Material Attachment Sequence diagram on page 12 and begin attaching the material to the posts by slipping the holes in the black tensioning media over the post.



PVC AT MATERIAL ATTACHMENT

(Slate AT, Pure AT)

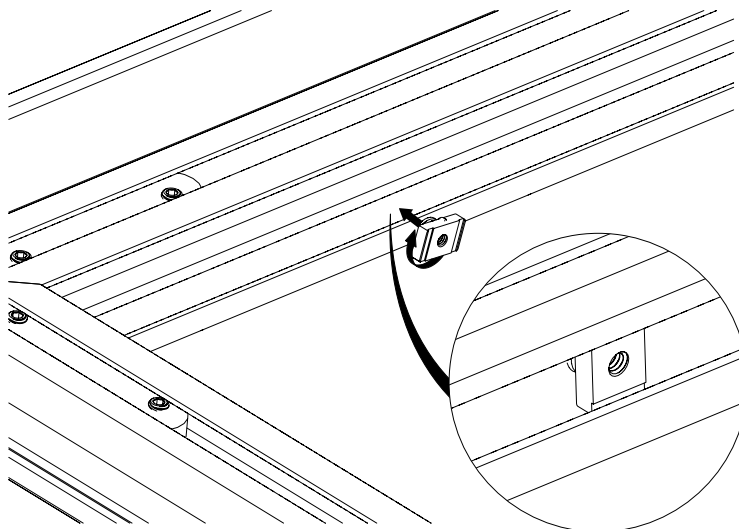
- 1 Ensure the screen material is flat and adjust the snap positions if necessary to flatten the screen material. **Once all snaps are attached (following the sequence above), flip screen over and make sure that the screen material is flat and taut everywhere.**



Scan the QR code to the PVC snap attachment video.

Note: Acoustically Transparent (AT) materials come with a black backer that must be installed to eliminate light scatter.

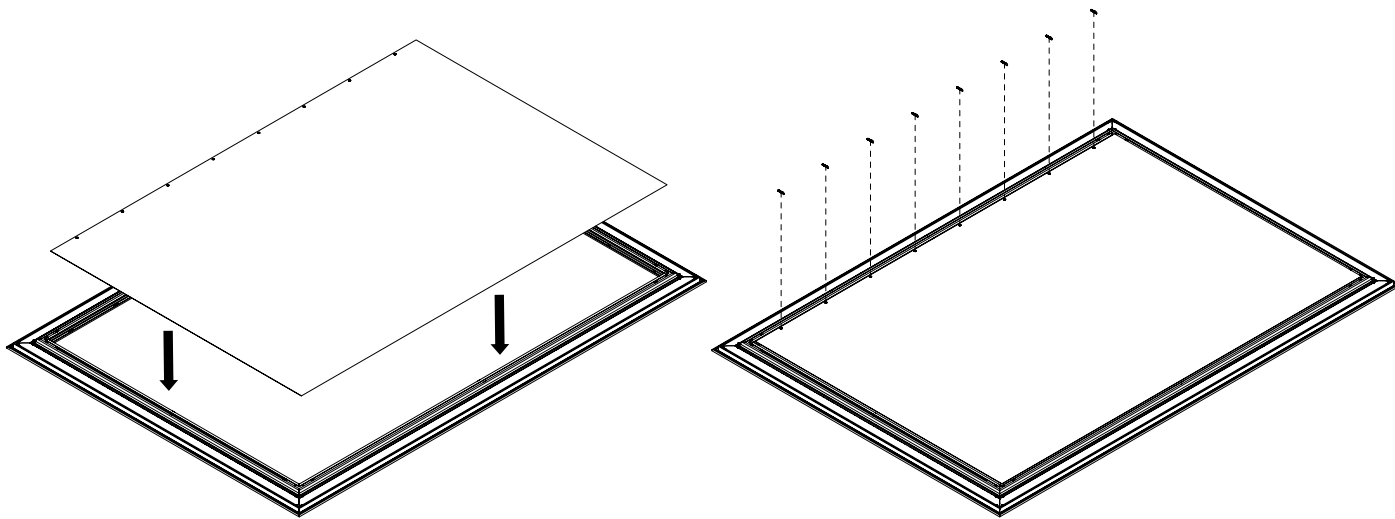
- 2 Gently turn over the screen onto a soft, clean surface, ensuring that the screen material is flat and taut everywhere.
- 3 Install the retrofit channel nut inside the channels.



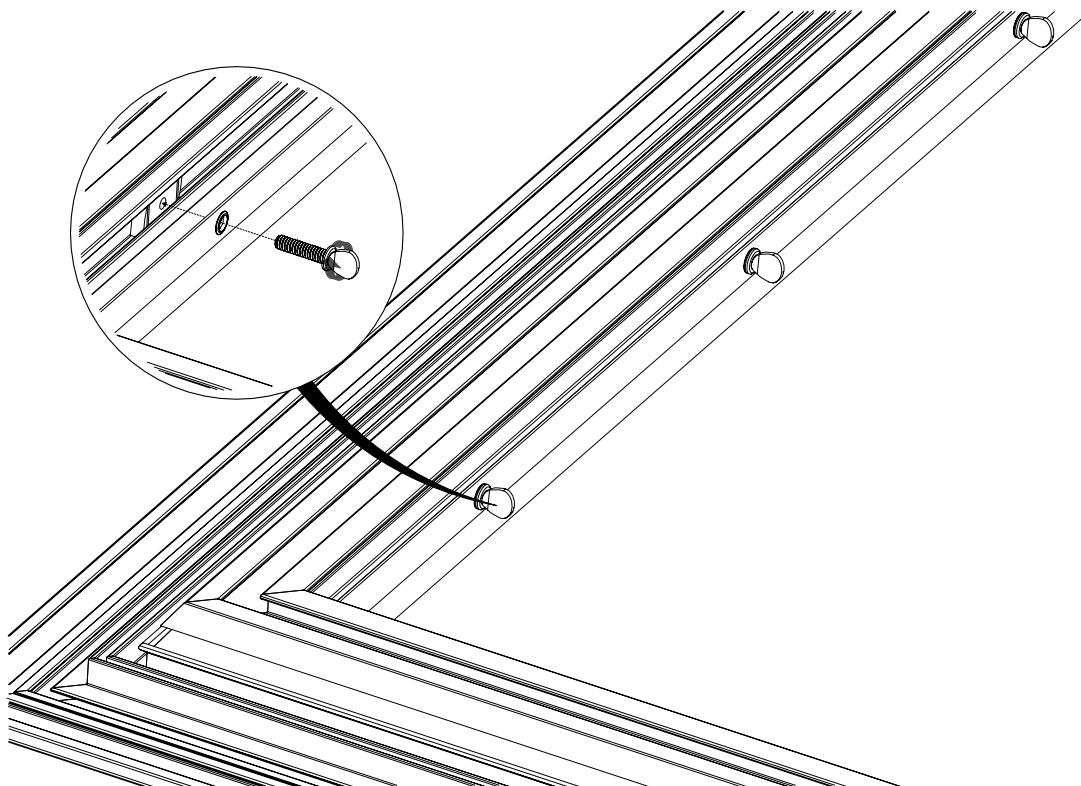
PVC AT MATERIAL ATTACHMENT

(Slate AT, Pure AT)

- 4** Attach the black backer to the inside of the frame through the grommets. Secure with thumb screws.



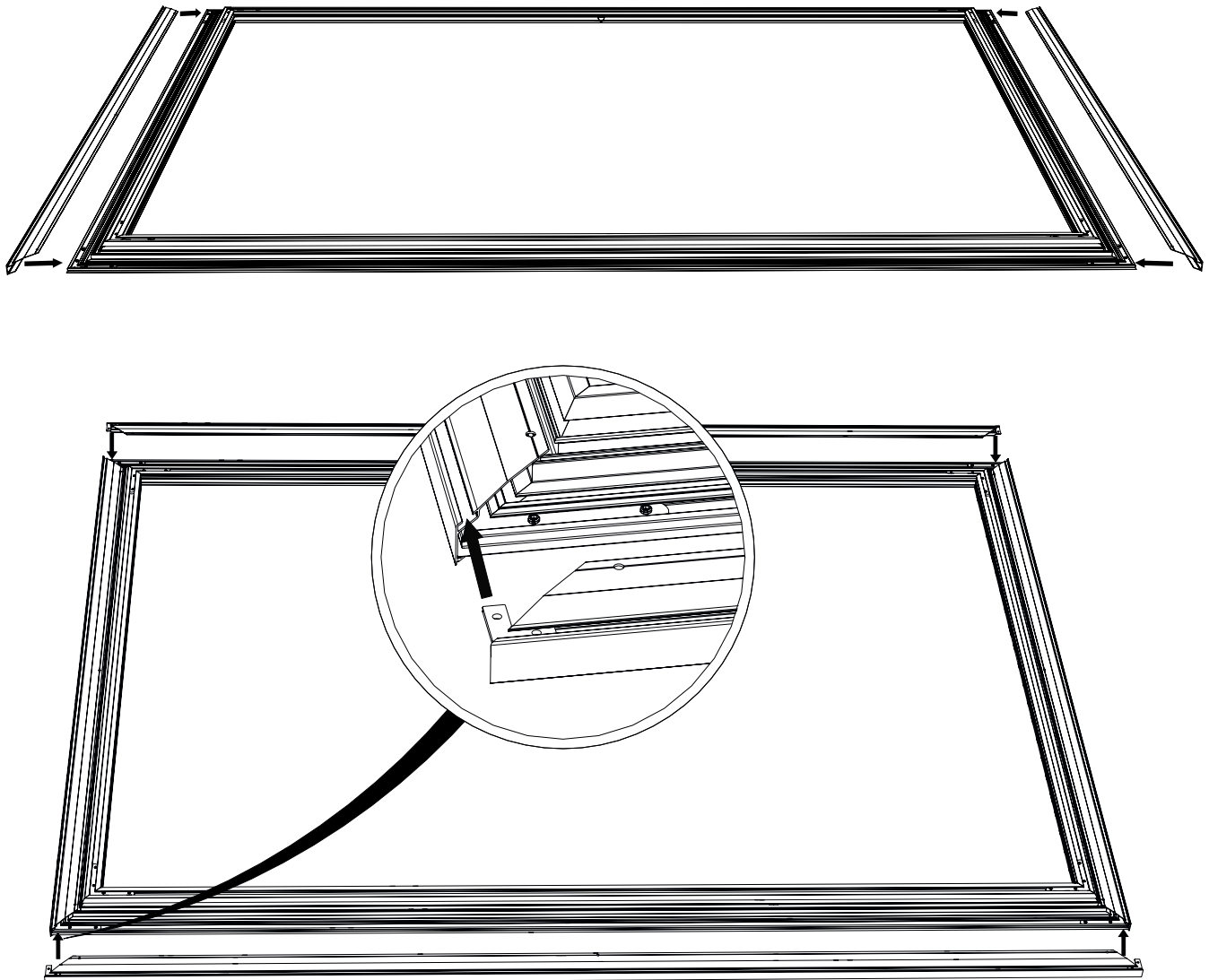
- 5** Secure black backer material with provided thumb screws.



TRIM ATTACHMENT

- 1 Trim is installed with the screen facing down following the material installation. Attach the trim by adding the vertical pieces to the frame and the 4 corner brackets into the horizontal trim. Align the horizontal trim as shown and slip the protruding corner post into the vertical trim.

Note: Split Frame Trim horizontals should be spliced using the included trim splice bars before installation.

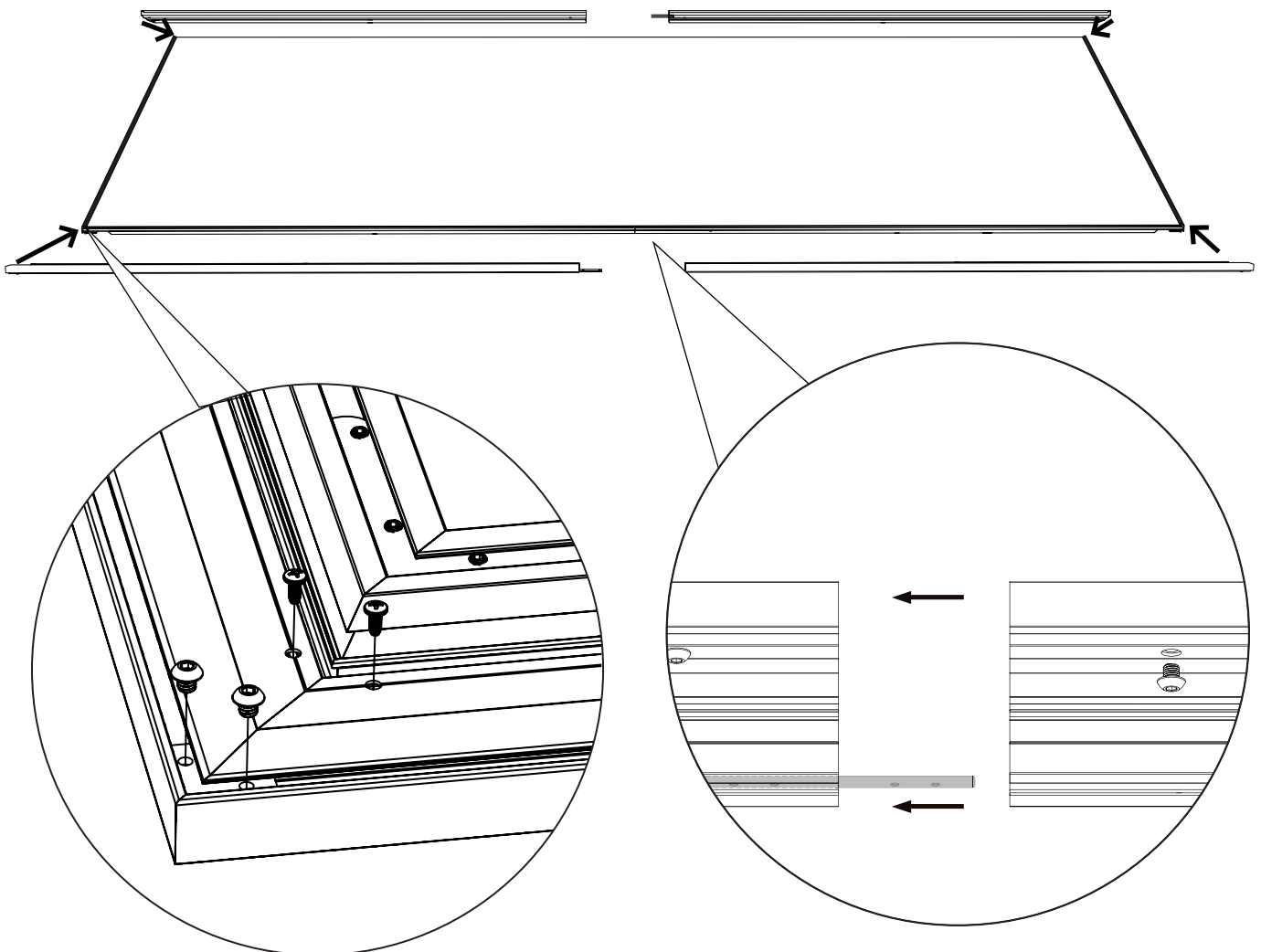


TRIM ATTACHMENT

2

Push the trim corners flush and hold while tightening the set screws. Add, two per corner, of the $\frac{1}{4}$ -20 x $\frac{1}{4}$ " trim screws and verify corners are flush.

Split Frame Only: Connect the horizontals at the middle by installing quantity 4 $\frac{1}{4}$ -20 x $\frac{1}{4}$ " screws trough the trim into the splice bar.

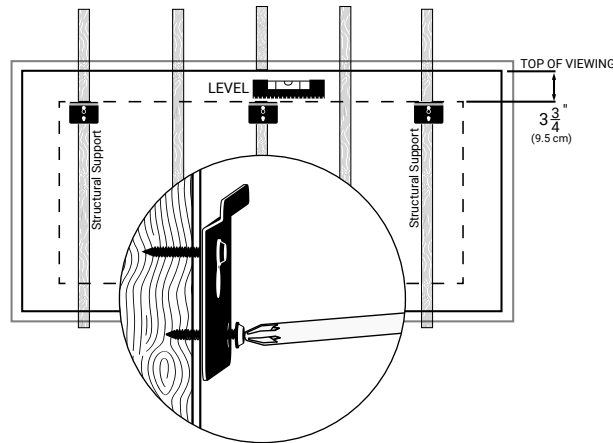


Split Frame Only

WALL MOUNTING

- 1 Brackets should be installed between 6" and $\frac{1}{3}$ the width of the screen from the left and right edge.

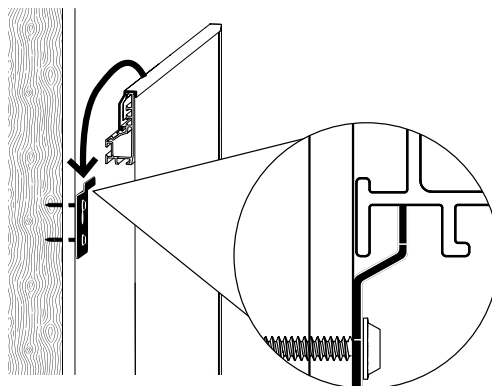
Note: Screens above 133" will use 3 brackets and all brackets should be installed



Note: Horizontal frame pieces should be spliced before adding the vertical frames. Assemble the horizontal frame pieces by first installing the large splice bar into one of the horizontal halves and loosely add two counter-sunk screws from the front face of the frame. Next, slide the thick and thin splice bars into the horizontal frame and attach to the second half of each horizontal frame. Align the frame halves and fully install the countersunk screws through the front of the frame. From the back, align the remaining splice bars to have two set screw on either side of the splice and tighten.

- 2 With two or more people lift the screen and mount to the brackets completing the installation when wall mounting.

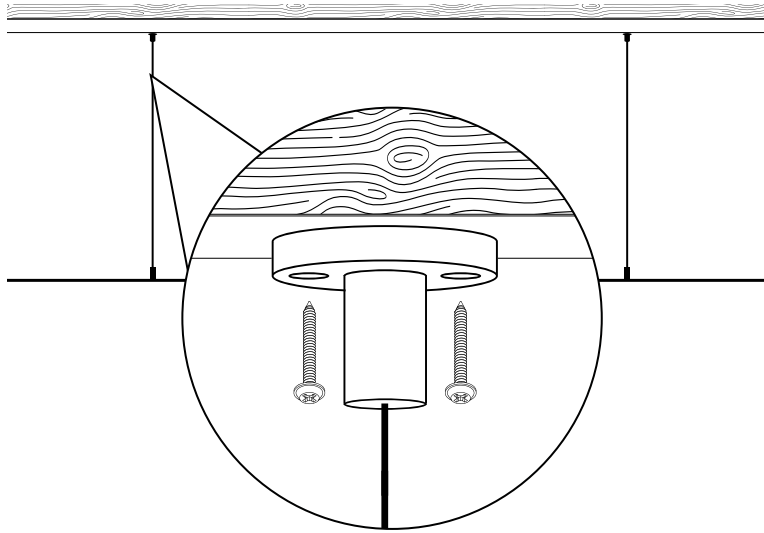
Note: If LED kit was used, carefully pull the bottom of the screen away from the wall to plug into power, cable management is critical to prevent the electrical cable from contacting the back of the screen.



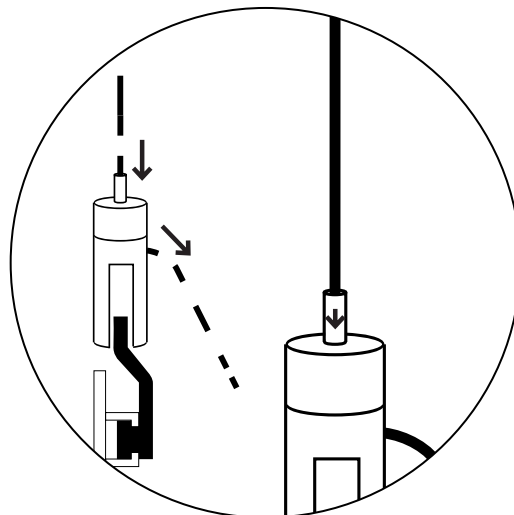
OPTIONAL FLOWN MOUNTING

- 1 Flown Kit Ceiling Mount should be installed between 6" and $\frac{1}{3}$ the width of the screen from the left and right edge. Once placement is determined, anchor the ceiling mount to a joist, beam, or similar support structure.

Note: Make sure to drill the holes into a beam that can support the weight of the screen.



- 2 Feed the cable through the griplock leaving sufficient slack to attach the griplock assembly to the channel nuts in the upper frame. Height adjustment and leveling is done by pulling the cable through the griplock, to lower the flown height, lift the screen up to release tension and depressing the griplock release.



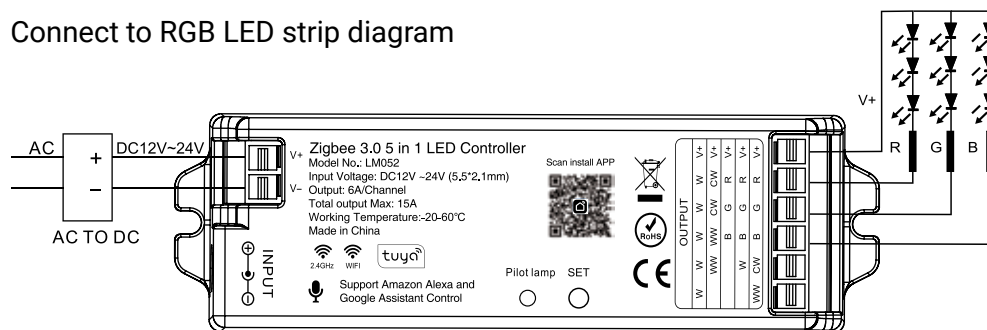
IP (ZIGBEE) CONTROLLED LIGHTING SETUP

CONNECT TO LED STRIP

Controller input voltage must be in accordance with the required voltage of LED strips.

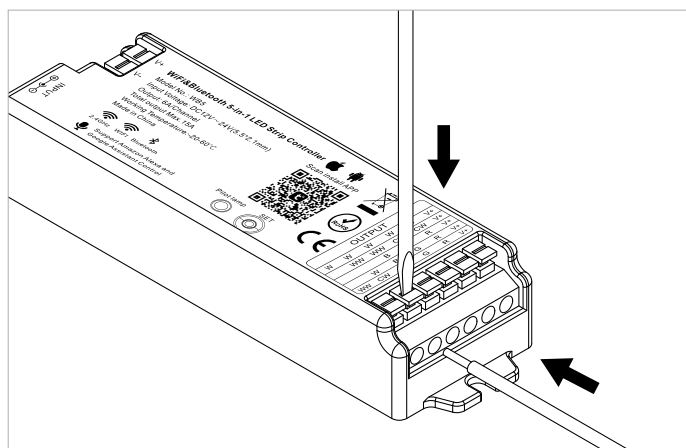
Input voltage = Output Voltage

Connect to RGB LED strip diagram



MOUNTING

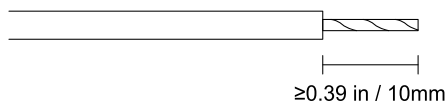
Free screw when connecting to LED strip



Controller can not use in humid area



Made in China



ZIGBEE 3.0 APP CONTROL INSTRUCTION

Scan this QR code refer to page 2, to get more details.



IR LIGHTING HEX CODES



Scan this QR code to use for different remote control



Screen Innovations

9715-B Burnet Rd, Suite 400 Austin, TX 78758

512.832.6939

www.screeninnovations.com