Aeon Series

EDGE FREE®

Fixed Frame Screen

User's Guide | EN Type - V1.0

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Product Description:

The **Aeon** edge free Series is a fixed frame projection screen that uses Elite's EDGE FREE® technology. The EDGE FREE® design resembles a giant size flat panel TV display. The screen includes Edge trim as an installation option to further enhance the frame appearance and absorb projector overshoot.

Maintenance and Care

In order for the screen material to maintain its projection qualities and provide optimum performance please refer to the list below for proper maintenance and cleaning.

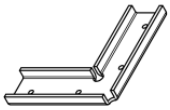
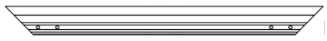
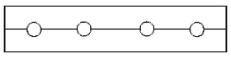
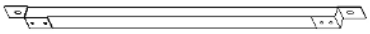
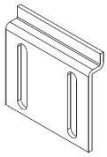
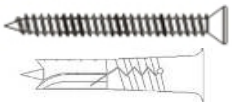
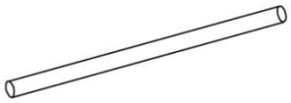
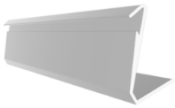
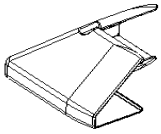
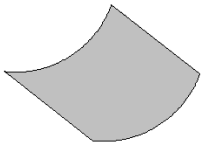
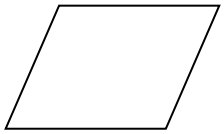
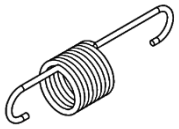
The following precautions should always be taken to avoid damaging the material which is not covered under the warranty.

- Use a dry microfiber cloth or a soft bristle brush to remove dust from the screen's surface.
- When cleaning, use a damp microfiber cloth with warm water to remove any marks.
- Never rub or apply pressure when cleaning the surface.
- Never attempt to use any chemicals such as acetone, benzene, alcohol, organic solvents or abrasive cleaners to clean the screen surface.
- To avoid damaging the screen, avoid touching it directly with your fingers, pens/pencils or any other sharp or abrasive objects.

To preserve material integrity and ensure long-term flatness of the screen, please refrain from installing it in locations exposed to direct sunlight or using it as a substitute for a window curtain. Heat will cause the material to expand, causing waves and ripples to develop. Extended exposure to solar radiation may lead to material degradation, which is not covered under the terms of our standard warranty.

Hardware and Parts List

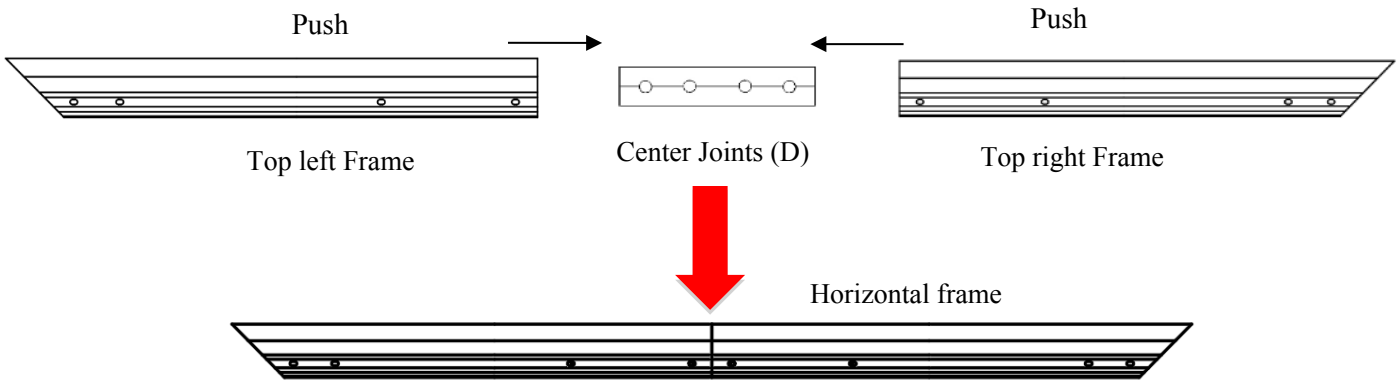
Please make sure all parts listed below are included before installation.

A. Elbow Joint x 4 pcs	B. Top/Bottom Horizontal Fame x 4 pcs	C. Left/Right Vertical Frame x 2 pcs	D. Center Joints x 2 pcs
			
E. Support Bar x 1-3 pcs	**F. Wall brackets x 4 -6 pcs**	**G. M5x6 screw x 24 pcs**	**H. M4x32 screws and anchors x 6-9 pcs**
			
I. Tension rods x 6 pcs	**J. Screwdriver x 1 pc**	**K. Black Tape x 1 bag**	**L. Bezel trim x 6 pcs**
			
N. Spring x 50 ~ 200 pcs	**O. Hook x 2 pcs**	**P. Corner sleeve x 4 pcs**	**Q. Gloves x 2 pair**
(Iron color) 			
R. Protection sheet x 1 pc	**S. Screen material x 1 pc**	**T. Bezel Trim Spring x 22 pcs**	
		(Black color) 	

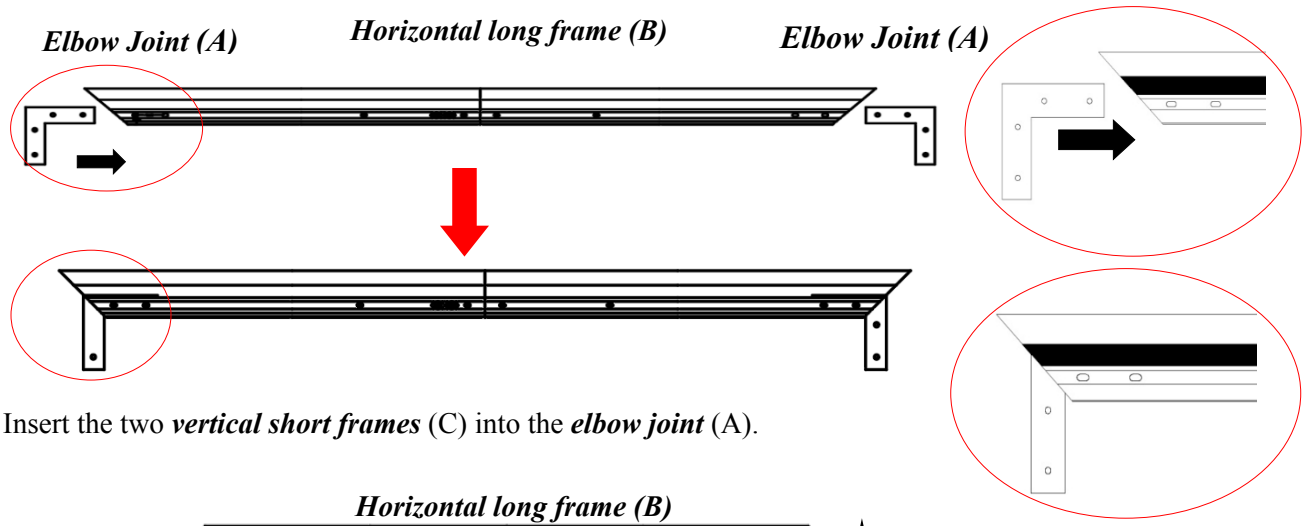
Frame Assembly

1. Insert the center joint into one of the ½ ***Horizontal Frames (B)*** and fasten it with the two ***M5x6 screws (G)***.
2. Insert the other ½ horizontal frame piece to the ***Center Joint (D)*** and fasten also using two ***M5x6 screws***.
3. Repeat steps 1 and 2 for assembling the second horizontal frame.

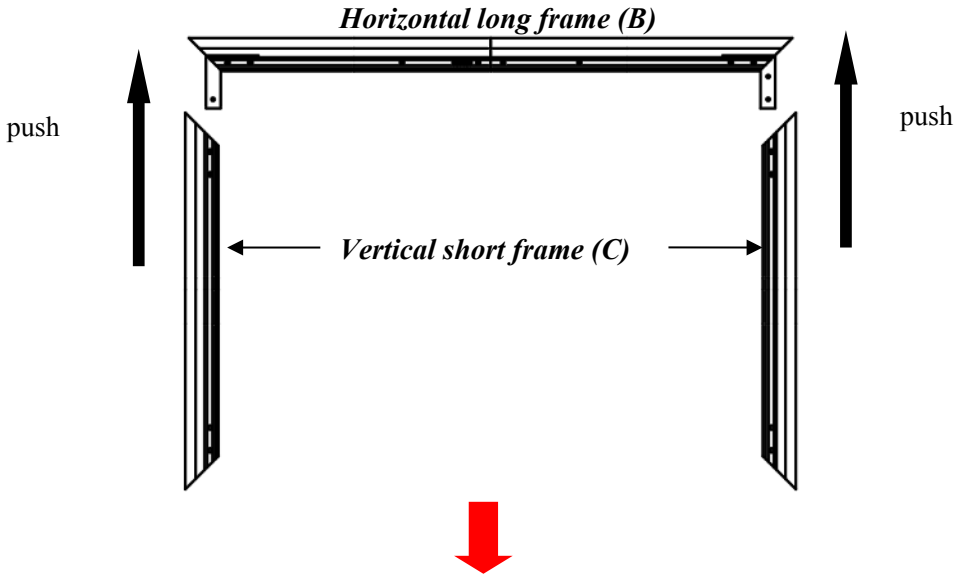
Note: Because the aluminum material has been cut, the corners of the aluminum parts have sharp edges. Please wear gloves for protection during installation.



4. Insert the ***elbow joint (A)*** into each end of the ***horizontal frames (B)*** as shown below.

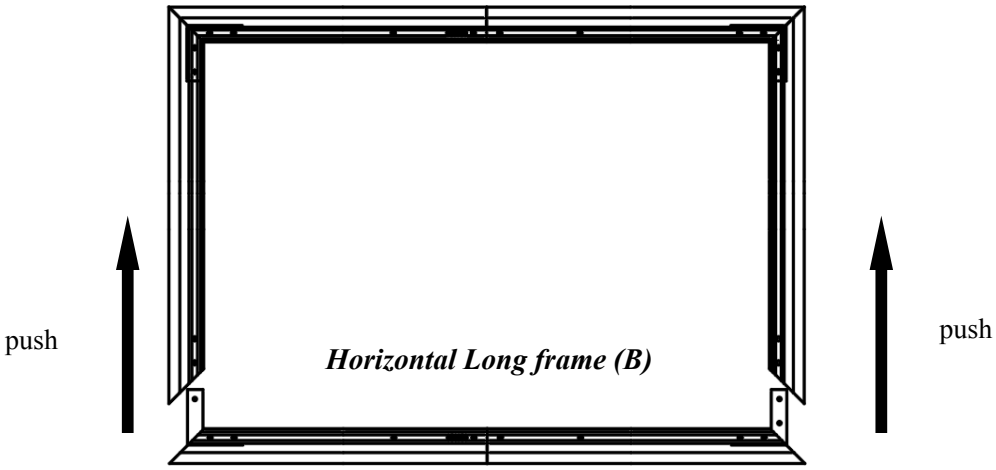


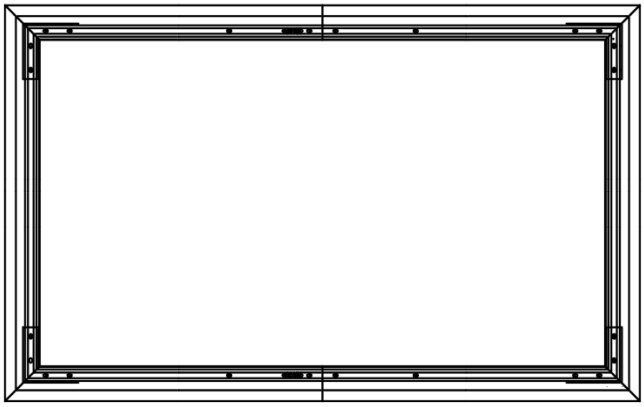
5. Insert the two ***vertical short frames*** (C) into the ***elbow joint*** (A).



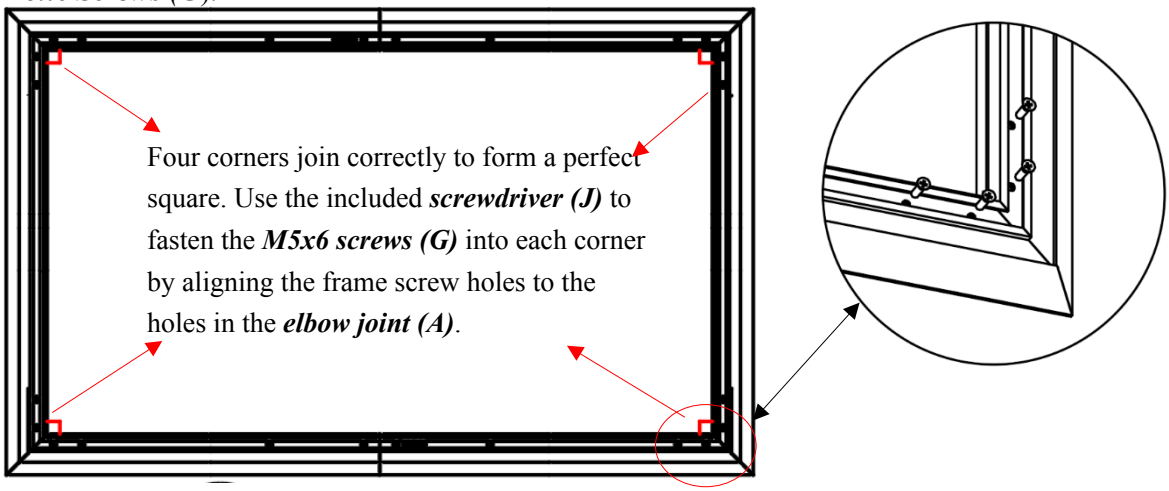


6. Join the remaining ***horizontal long frame (B)*** with the frame built in the previous steps as shown below.





7. Make sure all four corners are properly in place, forming a perfect square. Then fasten the four angles with the ***M5x6 Screws (G***).



Support bar installation (for models under 180”)

1. Position the ***center support bar (E)*** to the area of the frame shown in figure 1. Align the hole on each end of the support bar with the ***M6 hex screws*** on the top and bottom frames. Then fasten with the ***M6x12 screws.***

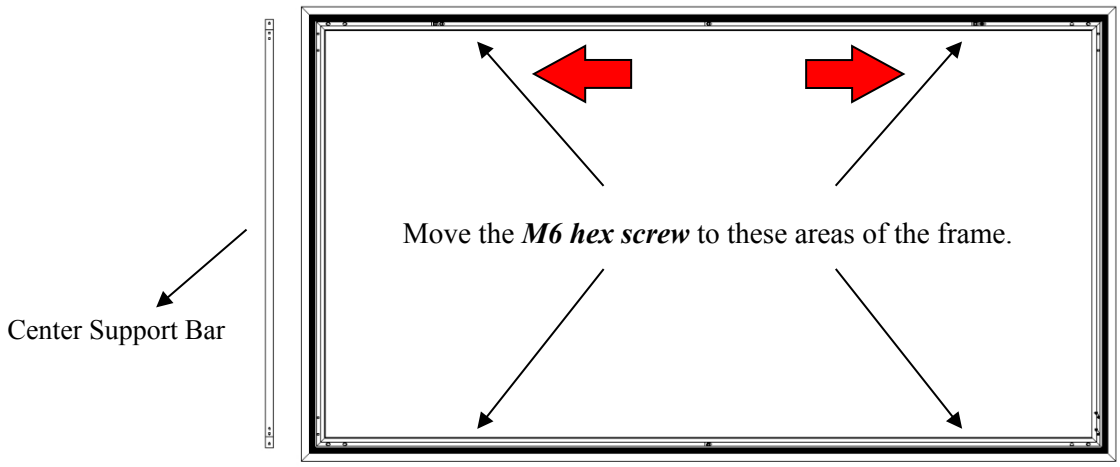
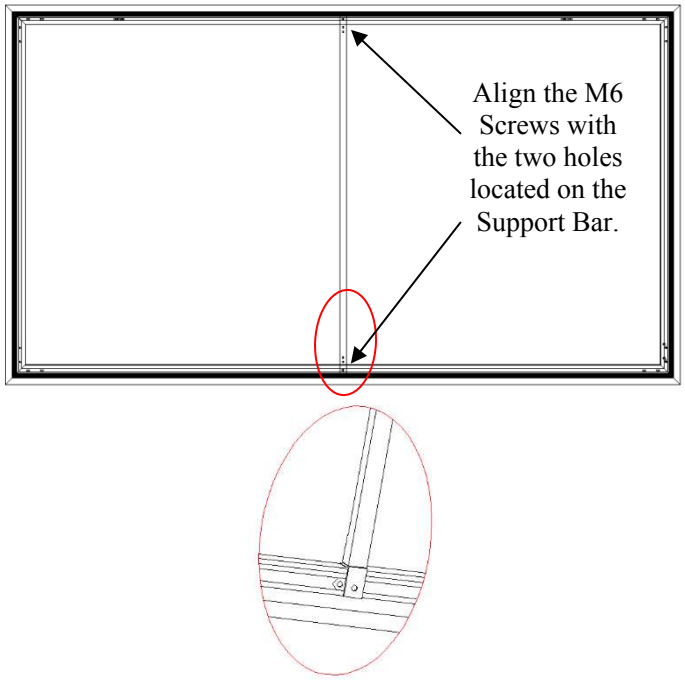
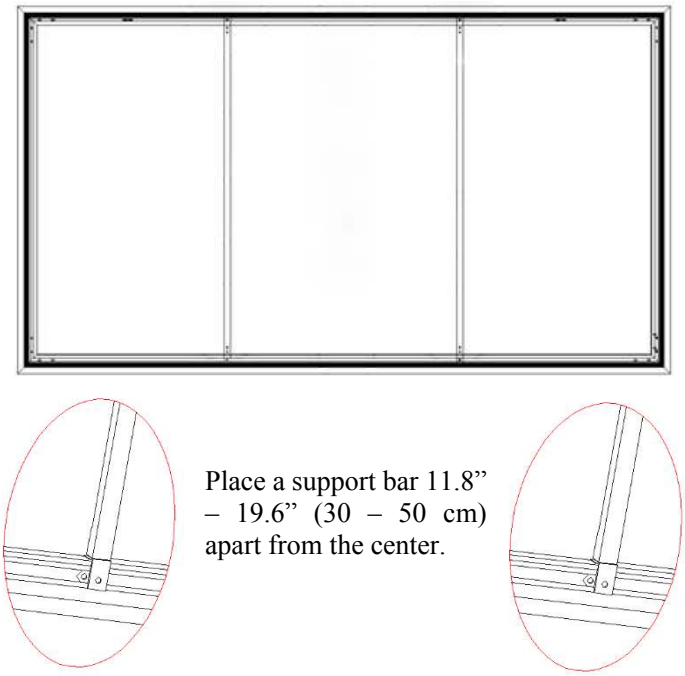
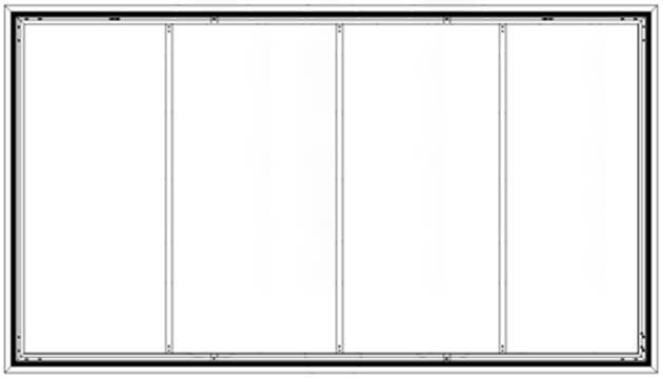


Figure 1

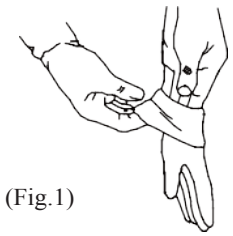
Diagonal Sizes below 135” use 1 x Support Bar	Diagonal sizes 135”-150” use 2 x Support bars. Diagonal sizes 180” and above use 3 x support bars
	



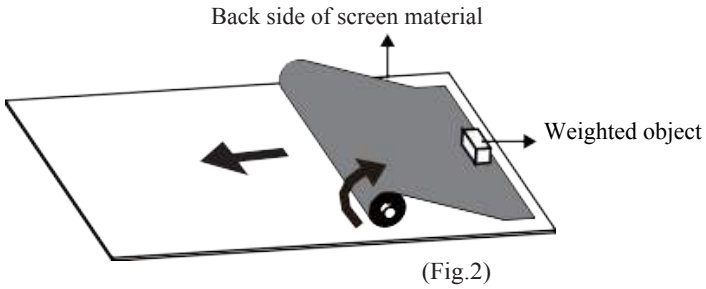
Place a support bar 31.5” – 39.4” (80 – 100 cm) apart from the center.

Screen Material Installation

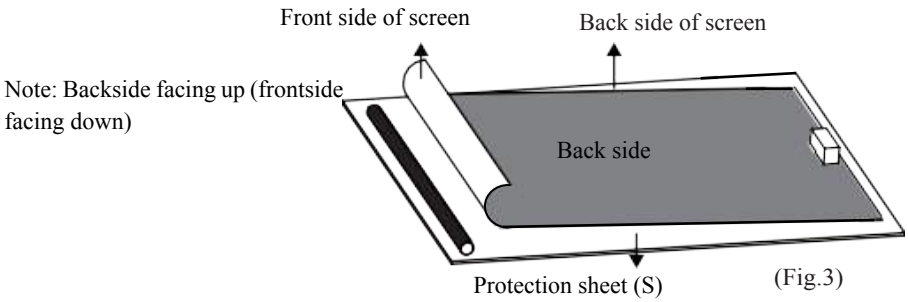
1. Make sure the screen material and frame are both lying face down on a clean, dry, and non-abrasive ***Protection Sheet (S)*** and please wear installation ***Gloves (Q)*** before install screen material. (Fig.1)
   This is to avoid leaving oily handprints on the screen surface which are not removable.
2. Remove the screen material from the tube and place a small suitable weighted object at the end of the material. (Fig.2)
3. Lay the material face down, two people carefully lift the rolled end and slowly rotate the material clockwise. (Fig.3)



(Fig.1)

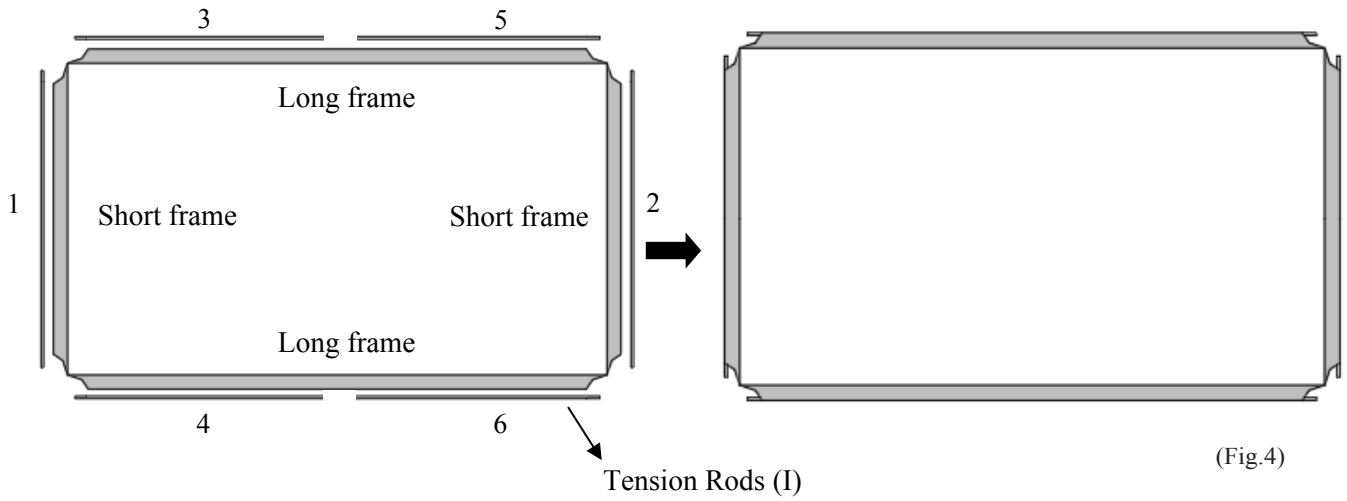


(Fig.2)



(Fig.3)

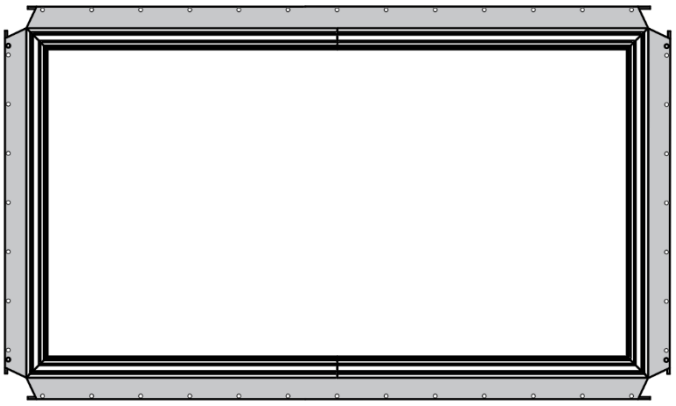
4. Insert the corresponding ***Tension rods (I)*** through the sleeves on the edges of the material. Insert Rods 1 and 2 on the short side (left/right). Insert rods 3/4/5/6 through the long side (Top/Bottom) of the material. (Fig.4)



(Fig.4)

5. Carefully and gently place the assembled frame on top of the screen material, adjust the distance between the frame edge and the material to be the same. (Fig.5)

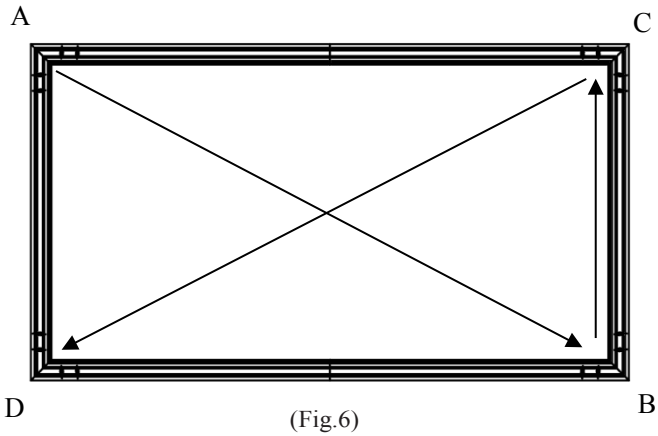
   DO NOT allow the angle edge of the frame to come in direct contact with the material to avoid puncturing it.



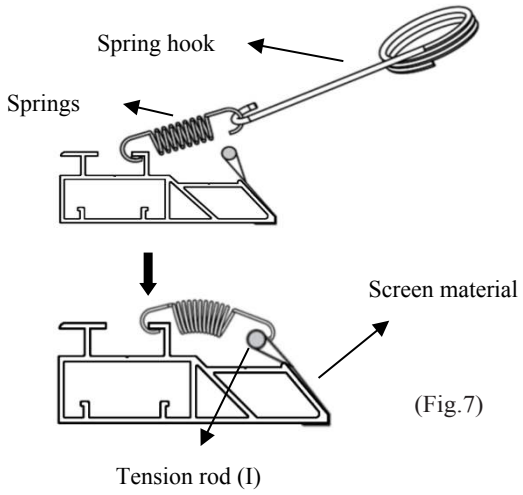
(Fig.5)

6. Begin by securing the four corners with the springs to the frame in A-B-C-D order as illustrated below. (Fig.6)

   Spring Attachment Method: First hook one end of the spring in the frame slot, then hold the screen around the frame to pull, and finally use the ***spring hook (O)*** to pull the spring into the screen hole through the tension rod. (Fig.7)

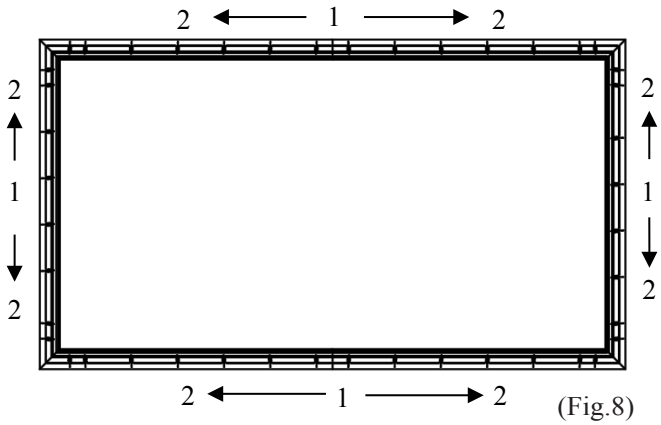


(Fig.6)

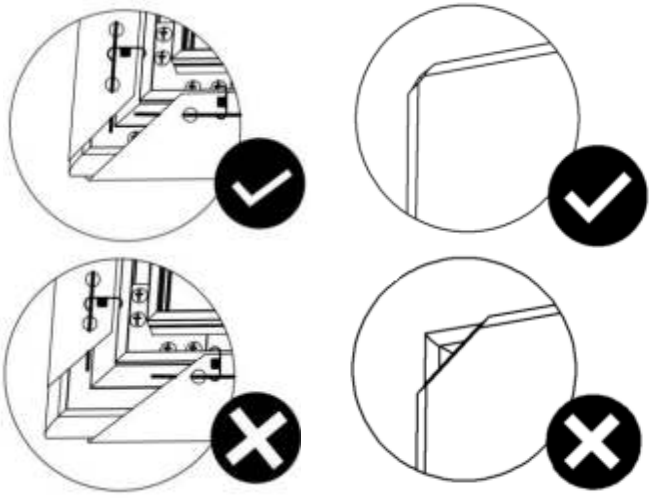


(Fig.7)

7. Attach the spring at point 1 first, then the springs at point 2, and finally attach all the remaining springs. (Fig.8)



(Fig.8)



To avoid ripples forming in the material it is imperative that all the corners are properly wrapped around the edges as illustrated in the check mark diagrams.

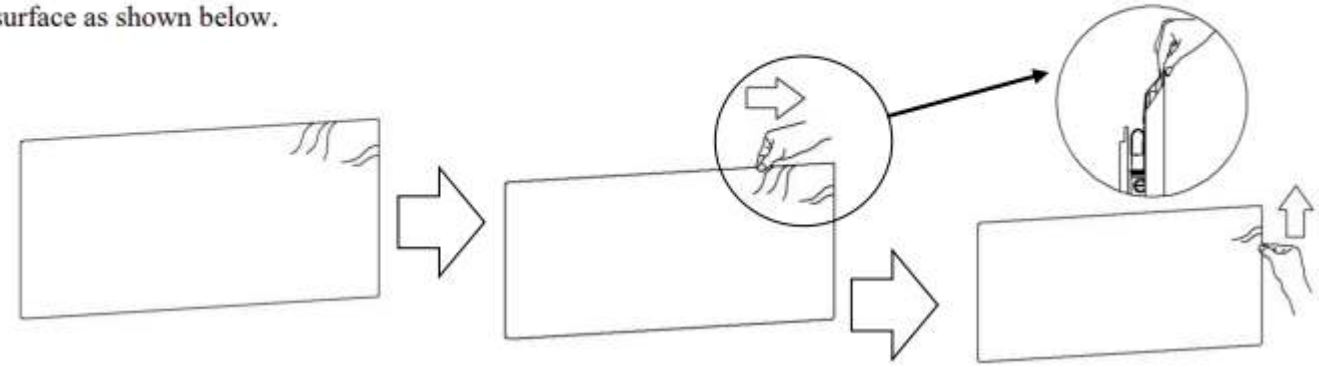
Note (after all springs have been attached):

Correct material installation – Corners of the screen material are properly wrapped around the corner edges of the frame and material is evenly tensioned and flat, creating a nicely taut surface.

Incorrect material installation –The corners of the screen material are not properly wrapped along the edge of the frame leaving the material with unbalanced tension and an uneven finish. To correct, detach springs from material at the corner(s) where material does not lie flat along the edge of the frame, reposition the material so that it lies flat and wraps along the edge of the frame, and reattach springs to the material.

How to avoid getting ripples on the screen's material surface

Solution: Pull and smooth out the material using your hand from the center to the corners, creating a nicely taut surface as shown below.



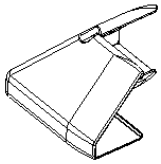
Edge trim Installation

Included is an ultra-thin black edge trim that provides an elegant bezel finish

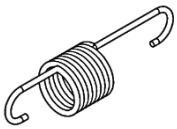
Edge trim (L) x 6 pcs



Corner sleeve (P) x 4 pcs



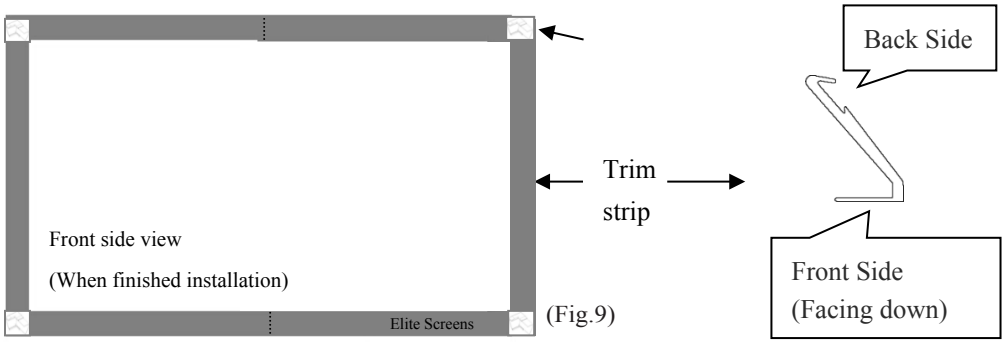
Trim spring (T) x 22 pcs



Black tape (K) x 1 pcs



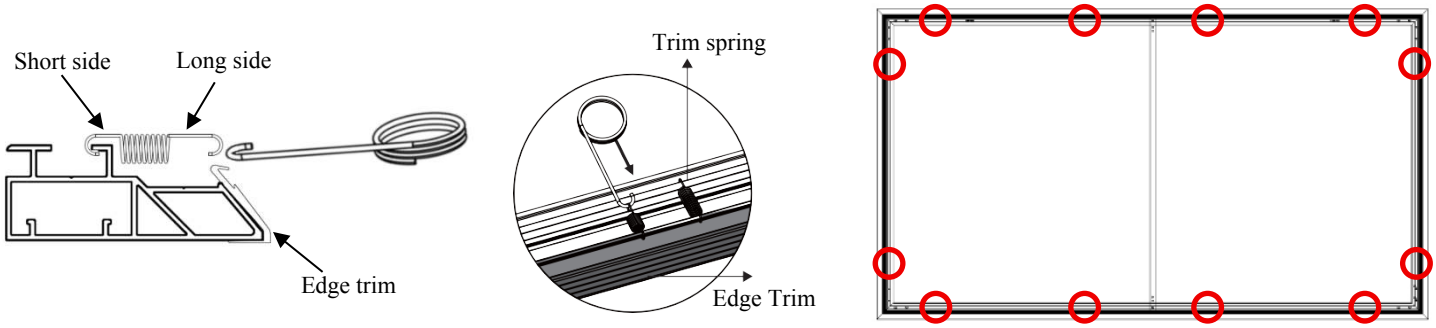
1. Place the assembled frame on a flat and clean surface. The projection screen surface should be "facing down".
2. Place all the trim pieces along the edge of screen material. Adjust the trim so that the top and bottom trim pieces are touching and show no gaps in the center. (Note: The Elite Screens logo should be positioned at the bottom right). Refer to Figure 9 below for a visual reference.



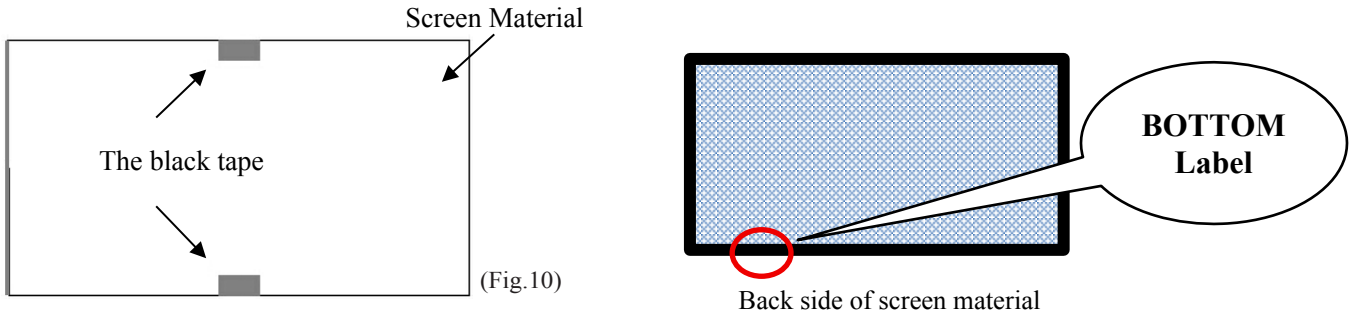
(Fig.9)

TIP:
Align the trim starting from the center to reduce gapping. Any gaps left at the corners will be covered by the corner sleeves.

3. Attach Trim ***Spring (T)*** on each edge trim to the frame as shown below image.
   - ※ Please note that the trim spring has different side lengths, short side attaches to the frame, long side is for edge trim.
   - ※ Each edge trim uses 2 trim spring to install, refer the position as below image.

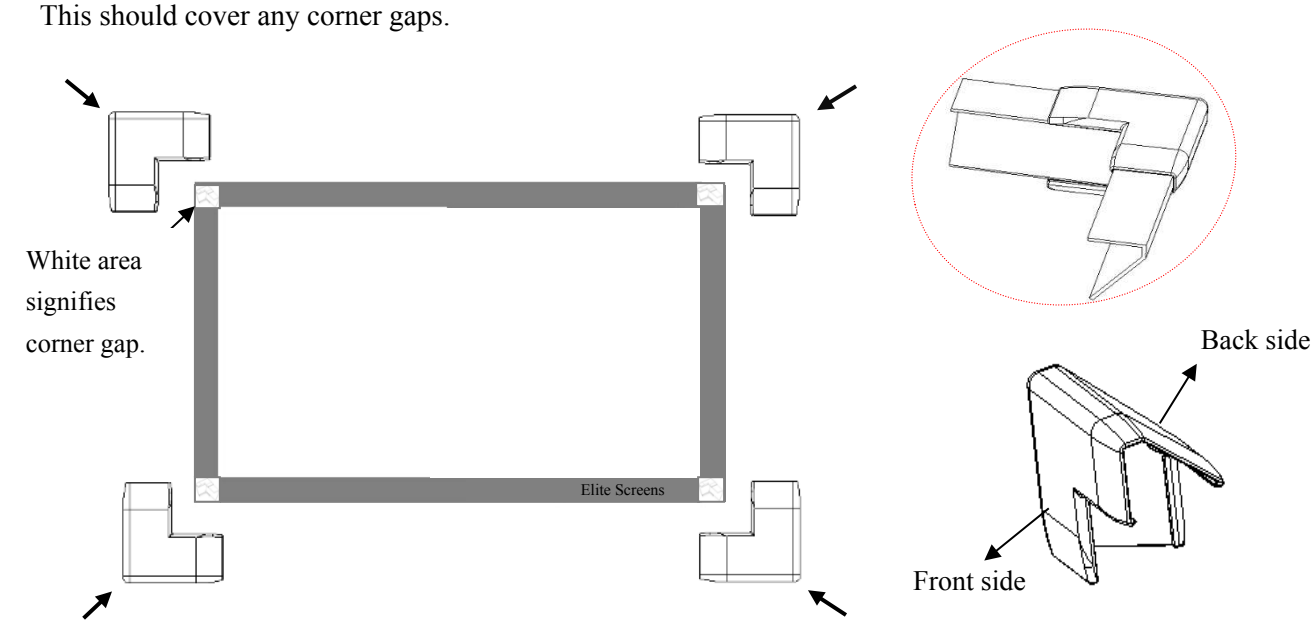


As an option, Black Tape is supplied to cover any possible gaps between the pieces of the bezel trim. Align the tape with the edge of the screen, as shown in Figure 10.
Once properly aligned, apply the black tape to the center of the top and bottom of the screen material.



NOTE: *Make sure the bottom edge trim with the Elite Screens logo is installed on the correct side. The back of the material should be labeled with a* ***BOTTOM*** *label to indicate the material is facing in the down position. The Elite Screens logo should be installed on the DOWN side*

4. After the bezel trim has been installed, place a ***Corner sleeve (P)*** on all four corners. Begin by aligning and adjusting the corner sleeve through the front of the screen. Make sure the corner sleeve completely wraps the edge of the bezel trim. This should cover any corner gaps.

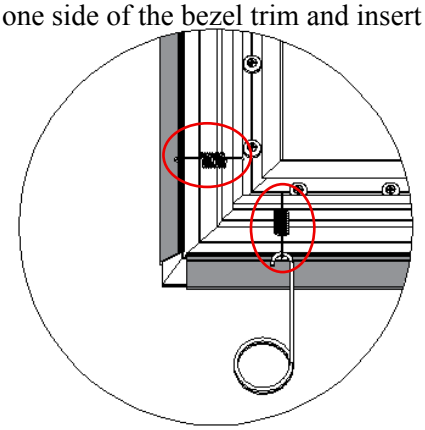
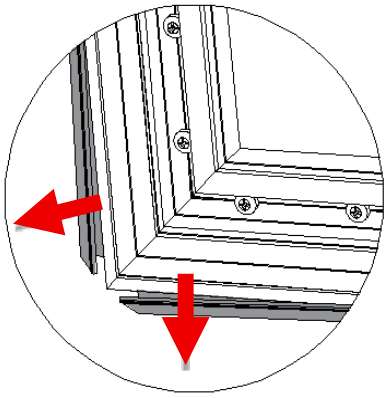


Once all corner sleeves have been snapped into each corner of the frame, it is ready to be installed.

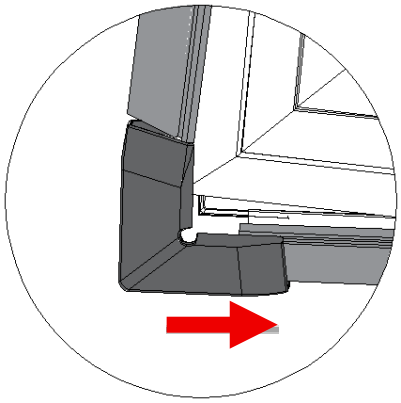
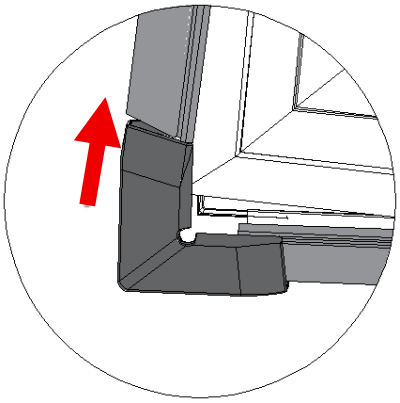
Additional tips for installing decorative plastic ***corner sleeves***:
※In some cases, tight tolerances between the corner sleeve and the bezel trim may make assembly difficult. Follow these tips to ensure a proper fit:

1. Remove the spring on the bezel trim located near the corner.

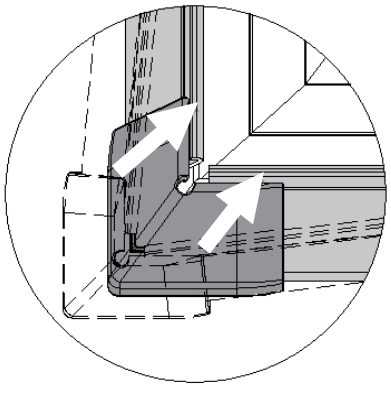
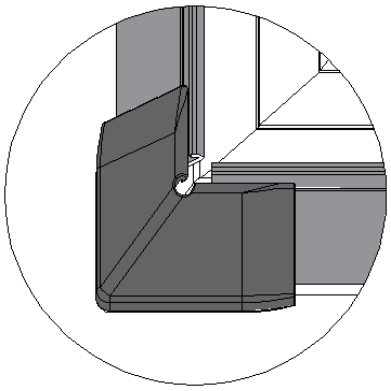
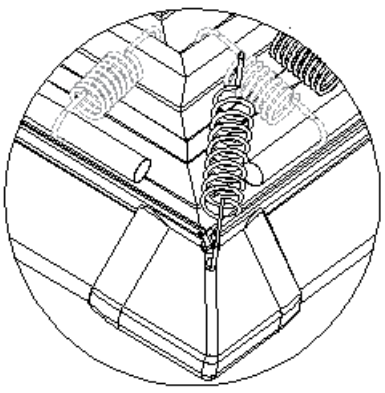
2. Lift one side of the bezel trim and insert the ***corner sleeve*** into it.

3. Gently flex the other side of the bezel trim outward and slide the ***corner sleeve*** into place.

4. Push the ***corner sleeve*** inward from the edge to ensure the bezel trim is fully seated inside.
5. Hook one end of the ***Trim Spring (T)*** into the mounting hole of the ***Corner Sleeves (P)***, and the other end onto the ***Springs (N)***.
6. Repeat these steps for all four ***corner sleeves***.

Installation

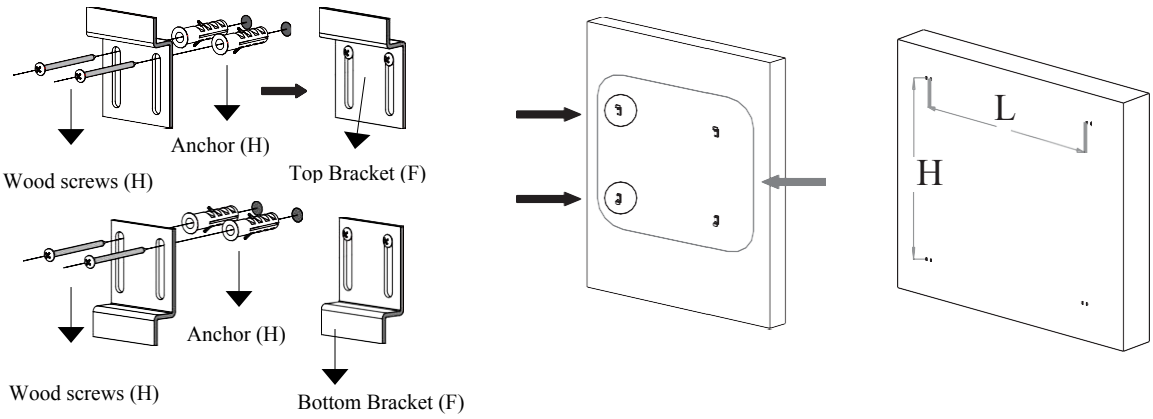
Locate your desired installation location with a stud finder (recommended) and mark the drill-hole area of where the screen is to be installed.

1. Drill a hole with the proper bit size according to the wood screws included.
2. Line up the wall brackets with the drilled holes on the installation location and screw them in using a Phillips screwdriver.
3. Position the frame screen onto the ***wall brackets (F)*** as shown in **below**.
4. The design of the wall brackets allows the frame to slide over them through its sides. This is an important feature of the installation design as it allows your screen to be properly centered.

※ Please calculate according to the algorithm:

H = Frame height – 170 mm

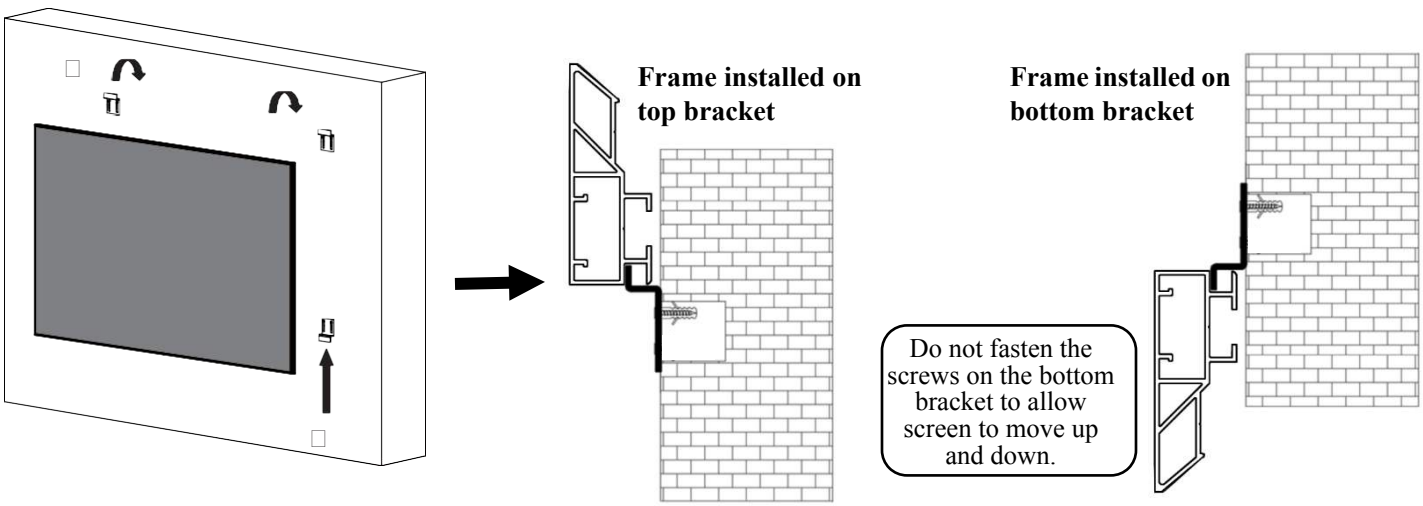
L = Frame width - (1000 mm ~ 600 mm)



Hanging the screen:

1. Two people hold the screen and align it first with the bottom bracket. The bracket lip must be inserted in the frame's channel per example below.

2. Then pull up the screen on the top bracket and adjust the screen left to right as needed.



For a local Elite Screens contact or Technical Support, please visit

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