Aeon CLR® Series
EDGE FREE CLR® Fixed Frame Screen
w/ StarBright CLR® (Ceiling Light Rejecting®) Front Projection Material

User’s Guide

Product Description:
The Aeon CLR® Series is an ultra-short throw fixed frame projection screen that uses Elite’s EDGE FREE CLR® technology. It is designed for with Ultra-Short Throw Projectors only, for use in environments where ceiling light cannot be entirely controlled. It includes an LED backlight kit and a bezel trim to further enhance the frame appearance.

Screen Maintenance
Dust, dirt and scratches on the projection screen surface will affect the quality and performance of the projection image. For optimal results we advise to pay attention to the following instructions.

1) The screen surface has a horizontal structure. **DO NOT** wipe the screen up and down or in a circular motion. **Wipe from left to right only.**
2) Please clean the dust on the screen surface with a soft brush or microfiber cloth (rough towel or cloth may damage the screen’s surface).
3) Gently wipe the screen with a moistened microfiber cloth with mild soap diluted in water.

Notes:
**The following precautions should be followed at all times to avoid damaging the material, which is not covered under warranty.**

- Don’t **touch** the screen material to avoid leaving fingerprints. **Use gloves when handling the material.**
- Don’t **scratch** the material, as it will leave permanent markings on the screen’s surface.
- Don’t **point** to the screen material with a fingertip or other sharp objects to prevent damage to the material.
- Don’t use acetone, benzene, alcohol and any other organic solvents to clean the screen material. Using such chemicals will permanently damage the screen.

Assembly Video
Watch our assembly video on-line at www.elitescreens.com/aeonCLR_assembly or scan the QR code
Hardware and Parts List
Please make sure all parts listed below are included before installation.

<table>
<thead>
<tr>
<th>A. Elbow joint x4 pcs</th>
<th>B. Top/Bottom horizontal frame x4 pcs</th>
<th>C. Left/Right vertical frame x2 pcs</th>
<th>D. Center joints x2 pcs</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
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<thead>
<tr>
<th>E. Center support bar x1-2 pcs</th>
<th>F. Wall brackets x2-3 pcs</th>
<th>G. M5x15 screw x24 pcs</th>
<th>H. Screw driver x1 pc</th>
</tr>
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<tbody>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
<td><img src="image7.png" alt="Image" /></td>
<td><img src="image8.png" alt="Image" /></td>
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<table>
<thead>
<tr>
<th>I. Rubber mallet x1 pc</th>
<th>J. Screw and anchor x 6-9 pcs</th>
<th>K. Black Tape x1 bag</th>
<th>L. Bezel trim x6 pcs</th>
</tr>
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<tbody>
<tr>
<td><img src="image9.png" alt="Image" /></td>
<td><img src="image10.png" alt="Image" /></td>
<td><img src="image11.png" alt="Image" /></td>
<td><img src="image12.png" alt="Image" /></td>
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<tr>
<th>M. Corner sleeve x4 pcs</th>
<th>N. White gloves x2 pcs</th>
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<td><img src="image13.png" alt="Image" /></td>
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Frame Assembly

1. Insert the center joint into one of the ½ horizontal frames and fasten it with the two M5x15 screws (H).
2. Insert the other ½ horizontal frame piece to the center joint and fasten also using two M5x15 screws.
3. Repeat steps 1 and 2 for assembling the second horizontal frame.

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

![Diagram](image15.png)
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 to form a perfect square. Then fasten the four angles with the *M5x15 Screws (G)*.

Four corners join correctly to form a perfect rectangle. Use the included *screwdriver (H)* to fasten the *M5x15 screws (G)* into each corner by aligning the frame screw holes to the holes in the *elbow joint (A)*.
Screen Material Installation

Please read this important note before proceeding with the installation process of the material:

Before handling the StarBright CLR® material, put on the supplied pair of white gloves to avoid leaving fingerprint marks, dust or hand oil on the material’s surface (Figure 1). The StarBright CLR® material is very delicate and should be handled with extreme care. Do not allow the material to fold or bend. Failure to follow instructions will result in permanent damage to the screen material, which is not covered by warranty.

1. Remove the StarBright CLR® material from the packaging tube and set it gently on a clean surface.
   Tip: Carefully put a small flat weighted object at the edge (PVC/Velcro end) to prevent it from moving out of place. Please keep the front of the material face down.
2. It is strongly recommended for two people to unroll the material to prevent the screen from bending or rolling unevenly. Each person holds one end of the roll and slowly unrolls the screen in a clockwise direction (Figure 2).
3. Lay the material completely flat with the front facing down on a clean surface in a horizontal position (Figure 3).

4. Carefully and gently place the assembled frame on top of the screen material as shown below. Make sure to not allow the angle edge of the frame to come in direct contact with the material to avoid puncturing or damaging it.
5. After all of the corners of the frame have been properly aligned (example D), attach the material on the frame in the following order A→B→C→D (see instructions below for details).

![Diagram of frame corners]

**Attach the screen material to the corners as shown below.**

1. Stretch the screen material in the direction of the arrowhead.
2. Fold over and attach material to the Velcro strip of the frame.
3. Fold over second side and attach to frame.
4. Repeat until all four sides are done in the order A, B, C, D.

6. After all four corners have been attached; please check whether the screen material wraps the frame corners. If not, please loosen the Velcro connection and repeat the above steps so the frame is not exposed.

**Note:** The black shaded part represents the Velcro on the frame. That Velcro end will ultimately attach with the other Velcro end on the screen material.

7. Proceed to attach the rest of the material to the frame as described in the illustrations below.
Screen Material Removal
Follow the steps to properly remove the screen material from the frame. This procedure will ensure prolonging the life of the screen material.

1. Detach the Velcro from the frame.
2. Gently pull back the material to release the material from the Velcro connections on the corners.
Support bar installation:
1. Position the center support bar (E) in the middle of the frame and 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.

Pull back the screen material from the Velcro connection along the edges of the frame to detach it.
**Edge trim Installation**

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

Edge trim x 6 PCS

Plastic corner sleeve x 4 PCS

Black tape x 1 PCS

1. Place the assembled frame on a flat and clean surface. The projection screen surface should be facing up.
   a. 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 1. Once properly aligned, apply the black tape to the center of the top and bottom of the screen material.

   ![Figure 1](image1.png)

2. Without removing the adhesive tape, 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 logo should be positioned on the bottom right). Refer to Figure 2 below for a visual reference.

   ![Figure 2](image2.png)

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

   **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 DOWN sticker to indicate the material is facing in the down position. The Elite Screens logo should be installed on the DOWN side.

3. After properly aligning all trim pieces, carefully remove trim piece A (see Figure 3 below). Remove the inside backing of the tape and place the trim piece in its original position on the frame. Repeat this step for the remaining trim pieces in the following order: B-C-D-E-F.
4. After the bezel trim has been installed, place a *corner sleeve (M)* 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 wall installation.

**Diagonal Size Note**

The Diagonal Size of the AR100H-CLR before and after installing the edge trim strip.
Notice to Installer:

**Proper Projector Placement for StarBright CLR®**

The StarBright CLR® is exclusively for table-mounted ultra-short throw projectors as illustrated in example 1 below. Overhead placement or a standard projector will make the image very dark, on account of the screen’s absorbent layer deflecting light that is not aligned with its reflective angle.

**Example 1: Proper Projector Installation**

![Diagram of proper projector installation](image1)

**Example 2: Improper Projector Installation**

![Diagram of improper projector installation](image2)

Images are not up to scale and are for illustrations purposes only.
Installation

1. Correctly distinguish the top and bottom of the screen:
   Place the assembled screen on the ground. Look down on the screen, if the material is white it is in the correct direction and ready for mounting on the wall. However, if the material is black, turn around the screen and then install it.

   Note: There are also “Top” and “Bottom” labels on the back of the screen material to help distinguish the correct direction. Please make a note of this.

2. Preparing for installation
   1) Locate your desired installation location with a stud finder (recommended) and mark the drill-hole area of where the screen is to be installed. (The distance of the holes is between 1/3 to 2/3 the length of the horizontal frame.)
   2) The installation height must be based on your projector’s throw height and the distance between your projector and the screen, since this screen is just for Ultra-Short-Throw Projectors. Please refer to your projector’s distance calculator for proper measurements.

3. Fixed installation
   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 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.

For a local Elite Screens contact or Technical Support, please visit www.elitescreens.com