

VISIONE Screen:  
PremioAcoustic EX/CX Series  
Acoustically Transparent Fixed-Frame Screen  
from 80" to 200"

**Installation Manual**



2010



**VISIONE**

**THX**

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## About Your VISIONE™ Projection Screen

1. Introduction to PremioAcoustic™ Fixed-Frame Screen
2. What You Must Do Before Installation
3. Warnings and Safety Precautions



**1**

## **Introduction to PremioAcoustic™ Fixed-Frame Screen**

Congratulations on your purchase of this top quality projection screen! Built with an acoustically transparent screen fabric, CineOne™, which looks as good as it sounds, the fusion of image and sound recreates the thrilling realism of true cinema experience.

We want to help you get the best results from this product and operate it safely. This manual contains information on how to do that; please read carefully before the installation and use.

Your screen is a projection screen integrated into a fixed screen frame which is produced at standard, and custom sizes in 16:9, 2.35 or 4/3 aspect ratios. VISIONE™ Screen does its utmost to respond to your particular product needs. To ensure that our screen fits your environment perfectly, we provide a range of customization options such as custom sizes, aspect ratio and/or different frame finishes designed for system integrators and installers. Please contact your dealer for more information.

### **Screen Size and Aspect Ratio**

The PremioAcoustic EX and CX can be produced at standard sizes and aspect ratios. Custom sizes are available upon request, as are custom aspect ratios.

### **VisionLux™ Frame Finish**

PremioAcoustic EX and CX series screens ship with deluxe over-sized black velvet finish as standard that provides proper over-scan area for your viewing content as well as absorb unwanted ambient light.

### **CineOne™ Screen Fabric**

Our signature screen fabric, CineOne™, is THX™ certified both on Video and Audio performance that ensures the maximum pleasure from your home cinema. Please refer to our technical data sheet for details.

### **Black Backing Material**

This eliminates potential reflection from metallic items behind the screen, such as speakers, and can also be used when the wall behind the frame is not in dark colors.

The black backing layer is even more acoustically transparent than the projection fabric and attenuates the sound minimally and evenly across the full audio frequency spectrum.

### **Warranty**

VISIONE Screen's warranty covers defects in workmanship and materials provided.

The Fixed-Frame has to be installed in a normal domestic environment and maintained according to the written instructions.

Screen frame, projection fabric material and assembly hardware are guaranteed for two years from the date of installation, but not in excess of 27 months from the date of invoice to your dealer. Please contact your dealer for details.



## **2** What You Must Do Before Installation

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Never perform the installation while people unfamiliar with the instructions (especially children or domestic animals) are nearby. Keep in mind that the operator is responsible for accidents or hazards occurring to other people.

### **Prepare Your Workspace**

Before you begin the installation, please make sure your space could accommodate the screen you have. Specifications regarding the individual screen dimensions, weight, assembly type, and controls are provided by VISIONE Screen when the product is ordered.

### **Tools Needed**

Keep the following tools handy when performing the installation. You will need:

- A utility knife,
- A level,
- Supporting devices, like ladder, that helps to hold the screen upright during the installation process.

## **3** Warnings and Safety Precautions

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The purpose of this chapter is to help you to avoid damaging your Home Theater System. It tells you also what you can do to avoid or reduce injury.

### **Temperature And Hydrometry**

To prevent damage to your Home Theater System, avoid exposure to drastic temperature changes. Correct operating temperature is between 16° C and 28° C.

### **Workspace**

Keep your workspace clean and well lit.

### **Replacement Parts**

When replacement of parts is required, be sure the technician uses genuine replacement parts.

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## **Assembling Your Screen**

- 1. Unpacking the Screen**
- 2. Checking package contents**
- 3. Assembling the Screen Frames**
- 4. Installing the Projection Screen Fabric**
- 5. Installing the Supporting Shaft (optional)**
- 6. Installing the Black Backing Fabric**
- 7. Installing the Wall-Mount (optional)**
- 8. Installing the Projection Screen**



## 1 Unpacking the Screen



Find a spacious and clean workspace.



Open the packaging carton with a utility knife.



## 2 Checking package contents

Check that all accessories are present in the package according to the packing list. If there are missing parts, please contact your dealer or the distributor of the screen.



No.	Items	Description	Y	N	Remark
A1		Plastic interlining (X1)	<b>P</b>		
A2		Long border frame (2 pcs)	<b>P</b>		
A3		Short border frame (2 pcs)	<b>P</b>		
A4		White screen fabric + black blacking fabric (2 pcs)	<b>P</b>		
A5		Tools and Accessories Box (X1)	<b>P</b>		
A6		Steel wires (2 long and 2 short pcs)	<b>P</b>		
A7		Installation manual, packing list, and warranty card (one of each)	<b>P</b>		
A8		Supporting shaft (2 pcs)	<b>P</b>		When screen size is larger than 140 in

Open A5 box. The following is the packing list for its contents.



No.	Items	Description	Y	N	Remark
P1		Gloves (1 pair)	<b>P</b>		For screen installation
P2		Needle-nose pliers (X1)	<b>P</b>		For screen installation
P3		Soft hammer (X1)	<b>P</b>		For connecting the frames
P4		L Corner Joints (8 pcs)	<b>P</b>		For connecting the frames
P5		M6 screws ×32 pcs Hex wrench X1	<b>P</b>		For fixing frames in place
P6		Draw springs (1 pc/every 16cm + 4 pcs)	<b>P</b>		For screen installation Varies according to screen size
P7		M6 Socket cap screws (8+12 pcs) Wrench X1	<b>P</b>		For installing wall-mount and support shaft. When screen size is larger than 140 in., 12 extra pcs are required.
P8		Support shaft connectors (4 pcs)	<b>P</b>		When screen size is larger than 140 in., Yes
P9		Depression bars (≥14 pcs)	<b>P</b>		For installing black backing screen Varies according to screen size
P10		Wall-mount bracket (4 pcs)	<b>P</b>		Shape varies according to screen size

### 3 Laying the Plastic Interlining and Frames



Place a piece of soft fabric or rug underneath the plastic interlining (A1) to soften the support. Spread out the plastic interlining (A1).



Place frames (A2, A3) in such a way that the letters labeled on them correspond to each other. Place frames on plastic interlining (A1) (with the letters N corresponding to each other, as shown in the diagram).

## 4 Assembling the Screen Frames



Insert the L Corner Joints (P4) into the grooves of the short frame (A3) (as shown in diagram) one by one.



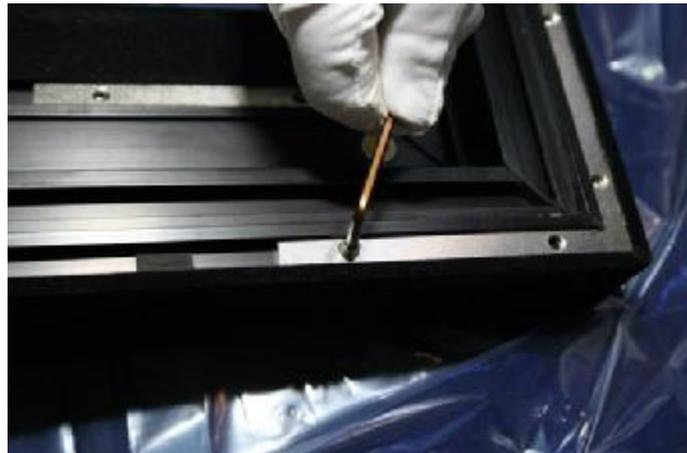
Connect the frames (A2, A3) together. Repeat this process for the rest of the corners.



## 5 Connecting the Frames



If there is a gap in the frame junctions, use the soft hammer (P3, included) to correct it.



Use the wrench and M6 screws (P5) to fix the frame junctions.

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## Installing the Screen Fabric

(Note: Please wear the gloves before proceeding this step!)



Open the screen fabric (A4) packaging, and place the black backing fabric to one side for the moment. With gloves on, flatten and spread out the screen fabric (A4) over the frame.



Be sure that back side of the screen is facing up. Also take care not to fold the screen.

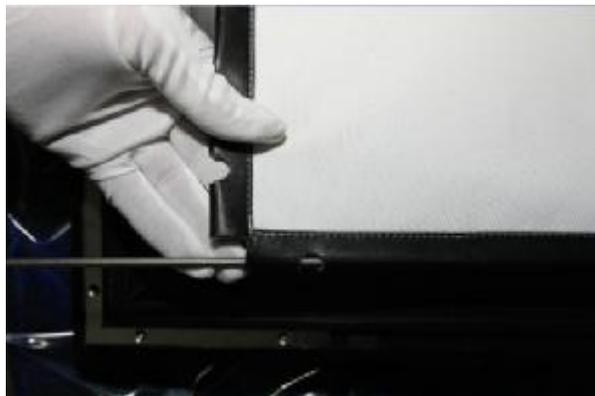
\*(This is the back of the screen.)

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**Insert steel wires into plastic sleeves on all four sides of the screen.**



Take out the steel wires (A6).



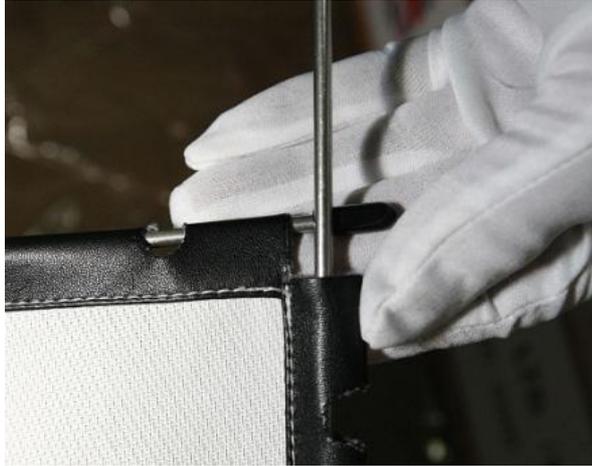
First, remove the plastic sleeve from one end. Insert the steel wire carefully into the screen's edge. Take care and do not apply excessive force. Do not puncture the screen's fabric. Use the longer steel wires for the long sides and shorter steel wires for the shorter sides of the screen.



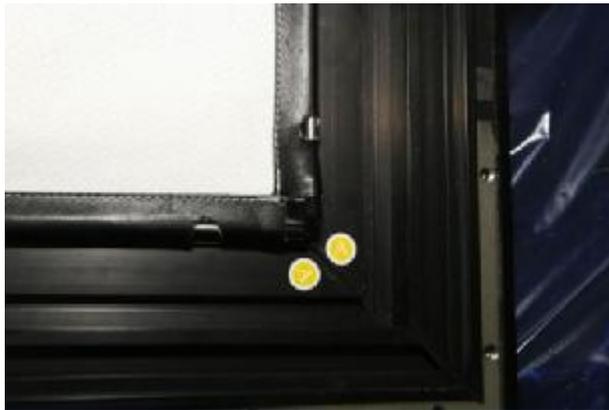
When the steel wire has been inserted properly, refit the end of the steel wire with the plastic sleeve.

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**Insert steel wires on all four sides of the screen, each end fitted with a plastic sleeve (2)**



Insert the rest of the steel wires according to the same procedure described above (as shown in diagram).



8

**Align the screen hooks carefully onto the perforated locations of the screen**



Remove the rubber band used for fixing the hooks.



Attach the screen hooks carefully onto the perforated locations of the screen (A4) one by one.



When completed (see diagram).

## 9 Fasten the Screen Fabric



Take out the draw springs (P6) and use a pair of needle-nose pliers (P2) to pull them toward the screen and hook them into position.



First, fix the four corners of the screen, with preferably two draw springs on each side. Then adjust the screen's position accordingly.



Springs with the same procedure for rest of the area.

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## Installing the Supporting Shaft (optional) (only used when screen size is greater than 140".)



First take out the shaft pillars (P8) and install them at the 1/4 positions (see diagram) of the screen. Place M6 screws (P7) through the connectors' holes and connect with the square nuts already in place inside the frame's grooves. Take out the support shafts (A8) and fasten them with M6 screws (P7).



A total of two shafts will be installed.

## 11 Installing the Black Backing Fabric



Take out the black backing screen (A4), pass it underneath the supporting shaft (A8) and spread it out on top of the projection screen fabric.

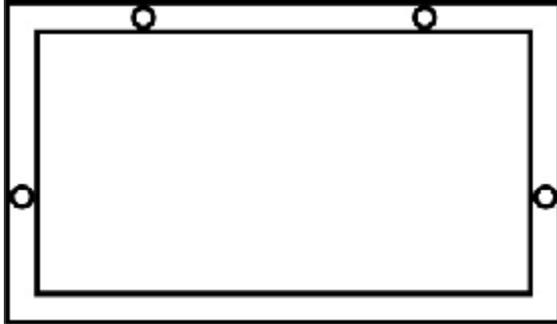


Use depression bars (P9) to fix the black backing fabric (A4) tightly in place, and make sure the installation is symmetrical. Then stretch the black screen and push down the depression bars.



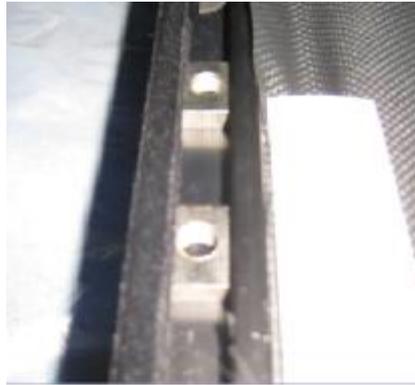
If the depression bars cannot be pushed in place with fingers, use the included soft hammer (P3).

## 12 Installing the Wall-Mount (optional)



Projection screen's wall-mount locations. (according to the location of customer's expansion screws on the wall)

1. Place wall-mount (P10) at designated location.



2. Slide the square nut into the designated location of frame's groove beneath the wall-mount's installation hole.



3. Place M6 hex screws (P7) into the mounting hole, and connect it with the square nut in the frame's groove. Fasten the screw with the hex wrench and fix the wall-mount in place.

## 13 Installing the Projection Screen

Lift the projection screen and hang it on the wall with its wall-mount aligned with the expansion screws.



After installation is complete, if there are creases on the screen fabric, using a hanging steam spray iron to remove them.

**(Special Note:** If a steam iron is used, a wet towel must be placed on the areas to be ironed to prevent excessive temperatures that may cause damage to the screen fabric).

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## Maintenance

### Clean the Screen Regularly

Your cinema-quality projection screen is delicate. Special attention to these instructions should be followed while cleaning.

Do not use a sharp instrument to remove any particles. Softly brush from the center to the edges. An upholstery brush attachment on a vacuum cleaner may be used, but only if it is perfectly clean. We encourage you to keep your screen clean.

It is recommended that the screen be cleaned with a vacuum cleaner once a year.



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## Declaration and Information

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### Trademark Acknowledgments



**VISIONE Screen's CineOne™ screen material has been certified by THX for its performance on Visual and Acoustical standards that were set to achieve the utmost home theater performance.**

For the latest updates and handy reference materials please visit our website.



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