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Spectra Projection Vantage UST 100-inch 16:9

Spectra Projection Vantage UST Projector Screen 100-inch 16:9 ALR Instruction Manual

Model: Vantage UST 100-inch 16:9

INTRODUCTION

This manual provides detailed instructions for the assembly, installation, operation, and maintenance of your Spectra Projection Vantage UST Projector Screen. This screen is specifically designed for ultra-short throw projectors, featuring an Ambient Light Rejecting (ALR) surface to enhance visual quality in various lighting conditions. For optimal performance and longevity of your screen, please read this manual thoroughly before proceeding with assembly and installation.

SAFETY INFORMATION

- Always handle screen components with care to prevent damage to the delicate screen material.
- Ensure the mounting surface is structurally sound and capable of supporting the screen's weight.
- Keep small parts out of reach of children to avoid choking hazards.
- Do not use abrasive cleaners or sharp objects on the screen surface.
- Follow all assembly steps precisely to ensure proper tension and frame integrity.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The Spectra Projection Vantage UST screen ships unassembled and includes:

- Screen Material (ALR surface)
- Frame Sections (top, bottom, sides)
- Corner Connectors
- Tension Rods and Springs
- Wall Mounting Brackets
- Assembly Hardware (screws, anchors, etc.)

- Instruction Manual (this document)



Image: Contents of the Spectra Projection Vantage UST screen package.

SETUP AND INSTALLATION

The Spectra Projection Vantage UST screen requires assembly. It is recommended to have two people for assembly and installation due to the size and delicate nature of the screen material.

1. Frame Assembly

1. Unpack all frame sections and lay them on a clean, flat surface.
2. Connect the frame sections using the provided corner connectors and screws. Ensure all connections are secure and the frame forms a rigid rectangle.
3. Attach the black velvet frame pieces to the assembled frame. These pieces are designed to absorb overflow light and provide a finished aesthetic.



Image: Detail of the black velvet frame, which helps absorb light and provides a clean edge.

2. Screen Material Attachment

1. Carefully unroll the screen material onto a clean, soft surface. Avoid touching the screen surface directly with bare hands.
2. Position the screen material over the assembled frame, ensuring it is centered.
3. Insert the tension rods into the designated pockets along the edges of the screen material.
4. Attach the springs from the tension rods to the frame, starting from the middle of each side and working outwards. This process requires careful and even tensioning to prevent wrinkles or tears. **Note:** Ensure rods are fully seated before applying tension to prevent tearing, as reported in some user experiences.

3. Wall Mounting

1. Determine the desired mounting location on the wall. Use a level to mark the positions for the wall mounting

brackets.

2. Install the wall mounting brackets securely using appropriate fasteners for your wall type (e.g., studs, drywall anchors).
3. Carefully lift the assembled screen and hook it onto the installed wall mounting brackets. Ensure the screen is level and securely seated.

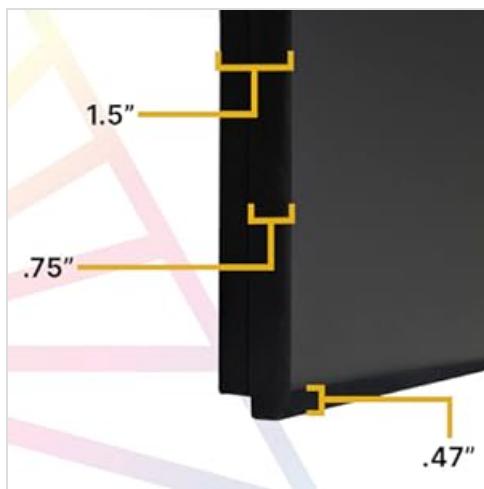


Image: Example of a wall mounting bracket used for securing the screen.



Image: Diagram showing the frame depth and dimensions for mounting reference.

4. Projector Placement

The Vantage UST screen is designed for ultra-short throw projectors. Position your projector directly below the screen, as close to the wall as possible, following your projector's specific throw ratio guidelines. The ALR surface is optimized to reflect light from below while rejecting ambient light from above and the sides.

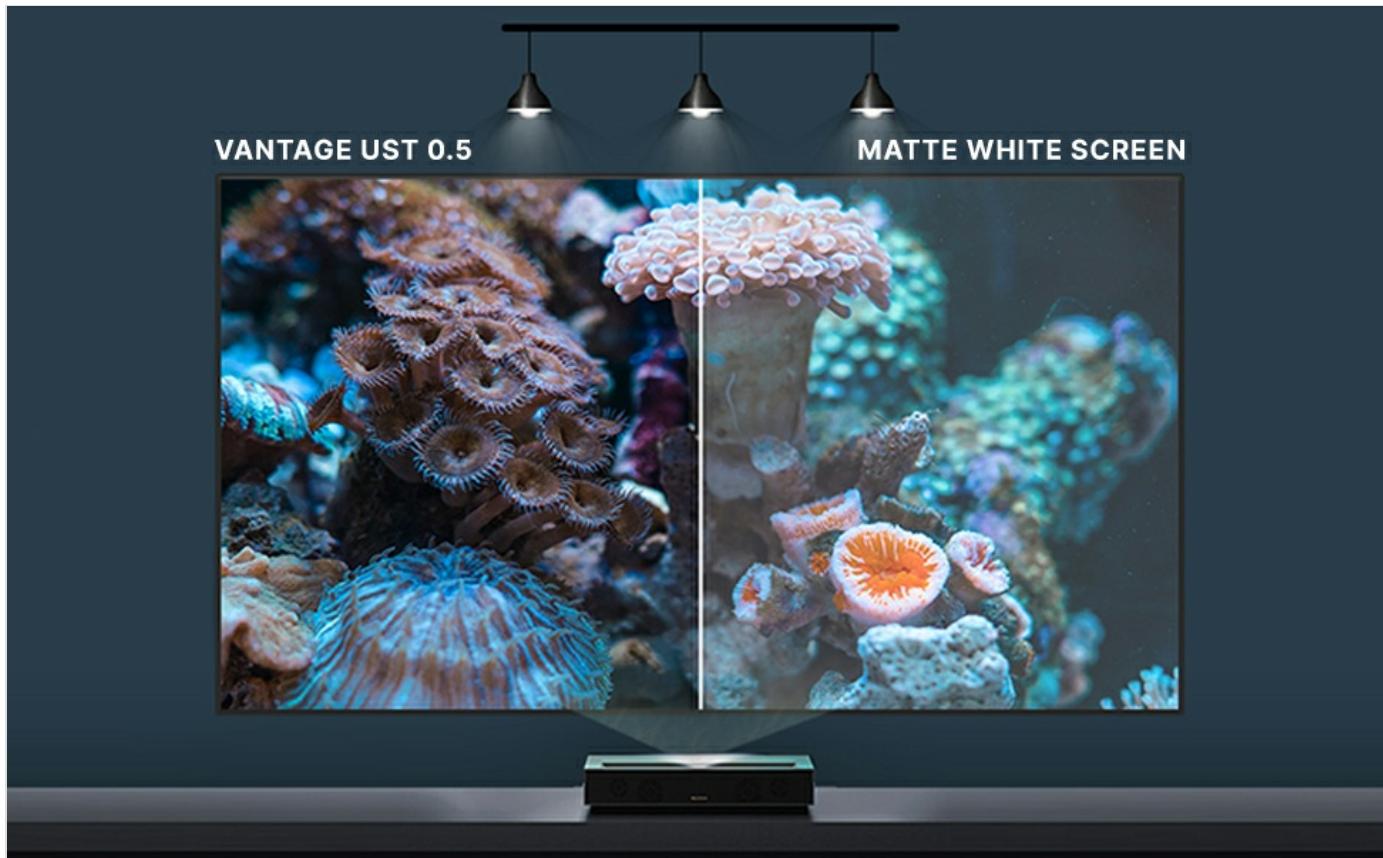


Image: The Spectra Projection Vantage UST screen displaying a vibrant image of an astronaut in space, with an ultra-short throw projector below.

OPERATING INSTRUCTIONS

Once assembled and installed, operating your Spectra Projection Vantage UST screen is straightforward as it is a passive display surface. The primary operation involves your ultra-short throw projector.

- **Projector Alignment:** Ensure your ultra-short throw projector is correctly aligned with the screen. Adjust the projector's position and keystone correction (if necessary) to fill the screen perfectly without overshooting the edges.
- **Ambient Light Rejection:** The ALR surface is designed to reject ambient light from above, allowing for vibrant images even in well-lit rooms. For the best contrast and black levels, minimizing direct light sources hitting the screen surface is still recommended.
- **Image Quality:** The 0.5 gain ALR surface enhances contrast and color saturation, providing a superior viewing experience compared to standard white screens, especially with 4K+ resolution content.

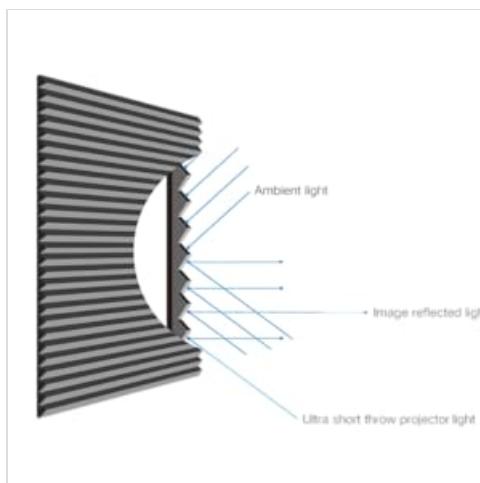


Image: Visual comparison demonstrating the enhanced image quality of the Vantage UST screen compared to a standard matte white

screen under ambient light.



Image: Diagram showing how the ALR screen surface reflects projector light towards the viewer while absorbing ambient light.

MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your screen.

- **Cleaning the Screen Surface:**
 - Gently dust the screen surface with a soft, lint-free microfiber cloth.
 - For stubborn marks, lightly dampen a clean microfiber cloth with distilled water. Wipe the affected area gently in one direction. Do not rub vigorously.
 - Avoid using harsh chemicals, solvents, or abrasive cleaning materials, as these can permanently damage the ALR coating.
- **Cleaning the Frame:** The black velvet frame can be gently dusted or vacuumed with a soft brush attachment.
- **Storage:** If the screen needs to be stored, disassemble it carefully and store the screen material rolled in its original packaging or a protective tube in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Wrinkles or uneven screen surface	Uneven tension during spring attachment; improper rod insertion.	Re-tension the screen by adjusting the springs, ensuring even distribution. Verify tension rods are fully seated in the screen material pockets.
Screen material tearing during assembly	Rods not fully inserted into pockets before tensioning; excessive force applied.	Ensure tension rods are completely and correctly inserted into the screen material's designated channels before attaching springs. Apply tension gradually and evenly.

Problem	Possible Cause	Solution
Poor image quality (e.g., washed out, low contrast)	Incorrect projector placement; excessive ambient light; projector settings.	Ensure the ultra-short throw projector is positioned correctly below the screen. Minimize direct ambient light sources. Adjust projector brightness, contrast, and color settings.
Screen not level on wall	Mounting brackets installed unevenly.	Remove the screen, re-measure, and re-install the wall mounting brackets using a level.

SPECIFICATIONS

Feature	Detail
Brand	Spectra Projection
Model	Vantage UST 100-inch 16:9
Screen Type	Fixed Frame Ambient Light Rejecting (ALR)
Diagonal Size	100 inches
Aspect Ratio	16:9 HDTV
Gain	0.5
Resolution Support	4K+
Mounting Type	Wall Mount
Frame Material	Black Velvet
Item Weight	53 pounds

WARRANTY AND SUPPORT

For warranty information, technical support, or to access detailed setup videos, please refer to the official Spectra Projection website or contact their customer service directly. The manufacturer is Spectra Projection.

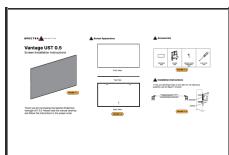
Online resources often provide additional visual guides and FAQs that can assist with assembly and troubleshooting.

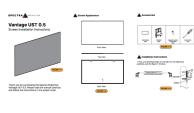
Manufacturer: Spectra Projection



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Related Documents - Vantage UST 100-inch 16:9

	<p>Spectra Projection Vantage UST 0.5: Screen Installation Guide & Setup</p> <p>Spectra Projection Vantage UST 0.5 screen installation guide. Features positioning data, mounting instructions, and care tips for Ultra Short Throw ALR CLR projector screens.</p>
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	<p>Spectra Projection Vantage UST Instruction Manual and Spectra Slider Introduction</p> <p>Comprehensive guide for assembling and mounting the Spectra Projection Vantage UST projector screen, including details on parts, steps, and an introduction to the Spectra Slider accessory.</p>
	<p>Spectra Vantage Projector Screen Assembly and Mounting Guide</p> <p>Detailed instructions for assembling and mounting the Spectra Vantage projector screen, including parts list, step-by-step guides, and mounting bracket installation. Learn how to set up your Spectra Projection screen for optimal viewing.</p>
	<p>Spectra Projection Vantage UST 0.5: Screen Installation Guide & Setup</p> <p>Spectra Projection Vantage UST 0.5 screen installation guide. Features positioning data, mounting instructions, and care tips for Ultra Short Throw ALR CLR projector screens.</p>
	<p>EPV Dark Star Max UST-FR User's Guide: Safeguards, Maintenance, Operation, and Installation</p> <p>This user guide provides essential information for the EPV Dark Star Max UST-FR Floor Rising Ceiling Ambient Light Rejecting Screen. It covers safety precautions, screen maintenance, FCC compliance, parts identification, control methods, remote operation, battery instructions, anti-pinch features, and crucial projector placement guidelines for optimal performance.</p>
	<p>Spectra Projection Vantage UST Instruction Manual and Spectra Slider Introduction</p> <p>Comprehensive guide for assembling and mounting the Spectra Projection Vantage UST projector screen, including details on parts, steps, and an introduction to the Spectra Slider accessory.</p>