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Spectra Projection 90" Diagonal Size - HDTV[16:9]

Spectra Projection Vantage UST Projector Screen User Manual

Model: 90" Diagonal Size - HDTV[16:9]

1. OVERVIEW

The Spectra Projection Vantage UST Projector Screen is an advanced Ambient Light Rejecting (ALR) fixed-frame screen specifically engineered for Ultra Short Throw (UST) projectors. This screen is designed to deliver exceptional image quality, including deeper blacks and sharper 4K+ resolution, even in environments with ambient light. Its specialized surface and luxurious black velvet frame work together to enhance the viewing experience by absorbing overflow light and preventing hot-spots, making it an ideal choice for dedicated home theaters and living spaces alike.



Image: Front view of the Spectra Projection Vantage UST Projector Screen.

2. FEATURES

- **Award-Winning Projection:** Recognized as a top pick at the 2022 and 2023 Screenie Awards, ensuring best-in-class performance.
- **24/7 Stunning Visuals:** Ambient Light Rejecting (ALR) surface provides deeper blacks, sharper 4K+, and incredible visuals for an immersive viewing experience, even with ambient light present.
- **Outperforms Ordinary Screens:** Specifically designed for UST projection to prevent hot-spots, negate off-axis ambient light, and deliver deep, dark black levels, unlike standard white matte screens.
- **High-End Craftsmanship:** Features a luxurious black velvet frame that adds aesthetic appeal and effectively absorbs overflow light, simplifying projector alignment.
- **Easy Assembly:** Ships unassembled with a step-by-step guide and detailed setup videos available online to facilitate the assembly process.

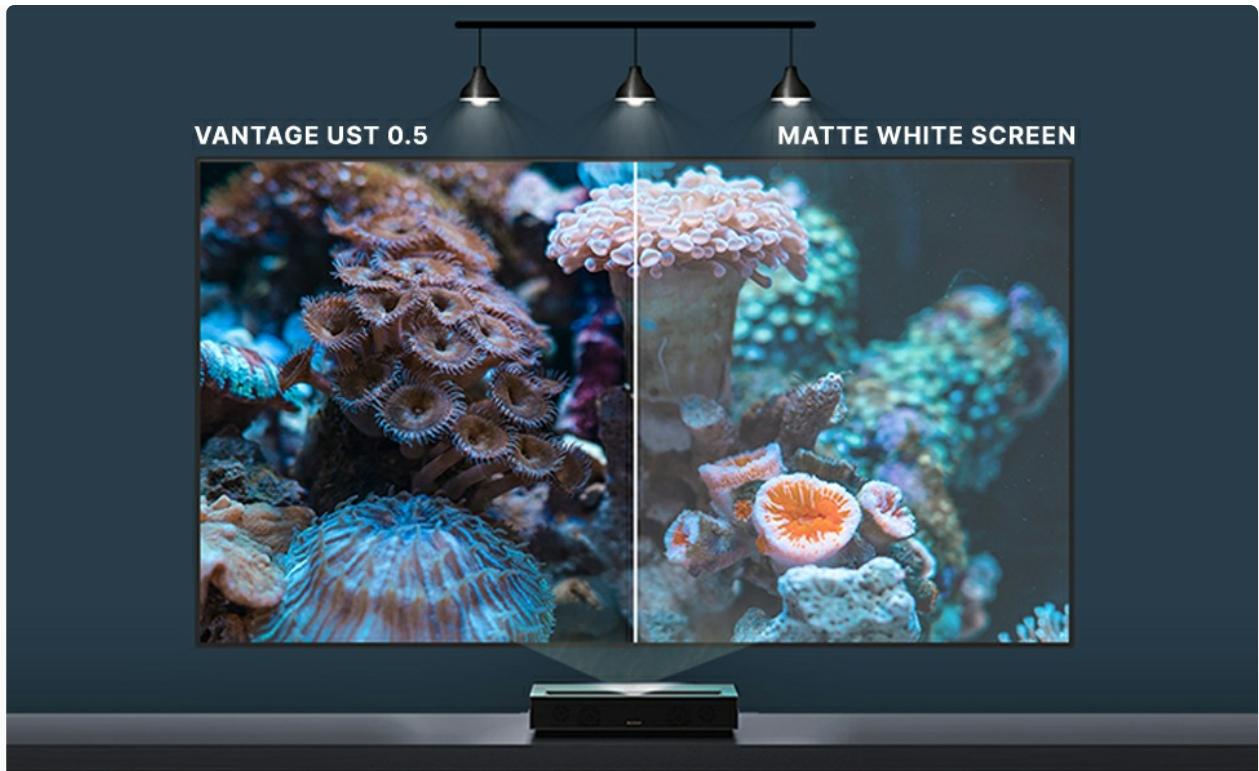


Image: Visual comparison demonstrating the superior performance of the Vantage UST screen over a traditional matte white screen in ambient light conditions.

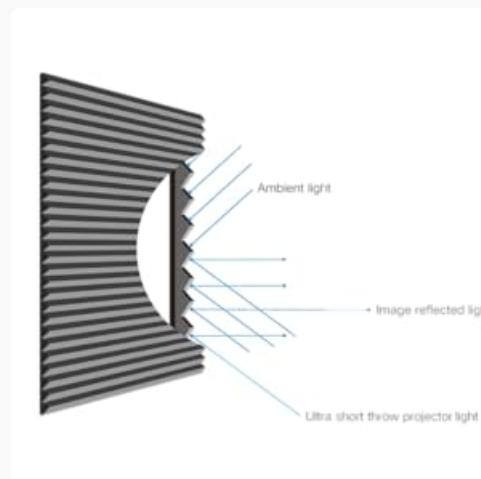


Image: Diagram showing how the Ambient Light Rejecting (ALR) surface reflects projector light while absorbing ambient light.

3. SETUP AND ASSEMBLY

The Spectra Projection Vantage UST Projector Screen ships unassembled and requires assembly prior to use. Please follow these general steps. For detailed instructions and video guides, refer to the manufacturer's official website or included documentation.

3.1 Unpacking

- Carefully open the packaging and remove all components.
- Verify that all parts listed in the packing list are present and undamaged.
- Lay out all components on a clean, soft surface to prevent scratches.



Image: The product is shipped in a compact box, requiring assembly.

3.2 Frame Assembly

- Assemble the aluminum frame sections according to the provided instructions, ensuring all connections are secure.
- Attach the black velvet trim to the assembled frame. This trim helps absorb any light overflow from the projector.



Image: Close-up view of the luxurious black velvet frame, designed to absorb light overflow.

3.3 Screen Material Installation

- Carefully unroll the screen material. Handle the screen surface only by its edges to avoid fingerprints or damage.
- Attach the screen material to the assembled frame using the tensioning rods and springs as instructed. Ensure the screen is taut and flat, without wrinkles or creases.

3.4 Wall Mounting

- Determine the optimal mounting location on your wall, considering viewing height and projector placement.
- Install the wall mounting brackets securely into wall studs or using appropriate anchors.
- Carefully lift the assembled screen and hang it onto the installed wall brackets. Ensure it is level and securely seated.

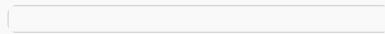


Image: Example of a wall mount bracket used for securing the screen.

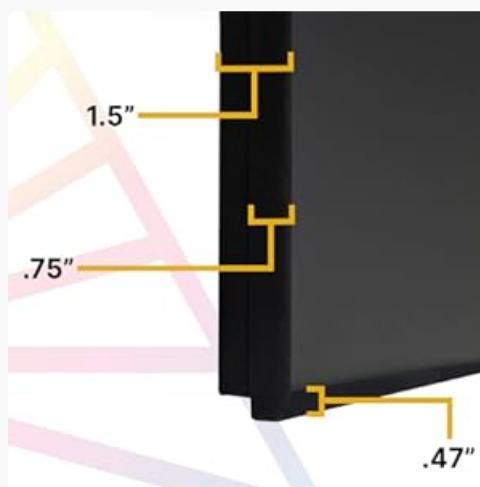


Image: Diagram illustrating the frame dimensions, including depth and overall thickness.

4. OPERATING INSTRUCTIONS

The Spectra Projection Vantage UST screen is designed to work optimally with Ultra Short Throw (UST) projectors. Proper placement of your projector is crucial for the best image quality.

- **Projector Placement:** Position your UST projector directly below the screen, as close to the screen as recommended by your projector's manufacturer. The ALR surface is optimized for light coming from below.
- **Image Alignment:** Use your projector's keystone correction and lens shift features (if available) to perfectly align the projected image within the screen's black velvet frame. The velvet frame helps absorb any slight overscan.
- **Ambient Light:** While the ALR screen significantly reduces the impact of ambient light, for the most immersive experience, minimizing direct light sources hitting the screen surface is still recommended.



Image: The Spectra Vantage UST screen seamlessly integrated into a modern living room setup with an ultra short throw projector.

5. MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your Spectra Projection Vantage UST screen.

- **Cleaning the Screen Surface:** Gently wipe the screen surface with a soft, lint-free microfiber cloth. For stubborn marks, slightly dampen the cloth with distilled water. Do not use harsh chemicals, abrasive cleaners, or excessive pressure, as this can damage the ALR coating.
- **Cleaning the Frame:** The black velvet frame can be cleaned with a soft brush or a lint roller to remove dust and lint.
- **Handling:** Always handle the screen by its frame. Avoid touching the screen surface directly.
- **Storage:** If the screen needs to be disassembled and stored, ensure it is kept in a dry, cool place, protected from dust and physical damage.

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
Wrinkles or creases on screen surface	Improper tensioning during assembly; screen material not flat.	Re-check tensioning rods and springs. Ensure even tension across the entire screen surface. Refer to assembly guide.
Poor image quality / Hot-spotting	Projector not aligned correctly; incorrect projector type (not UST); excessive direct ambient light.	Ensure projector is a UST model and positioned directly below the screen. Adjust projector angle. Minimize direct light sources.
Frame assembly difficulties	Misalignment of frame sections; missing hardware.	Double-check all frame connections and ensure they are properly seated. Verify all hardware is present. Refer to the step-by-step assembly guide.
Screen appears dull or dark	Projector light output too low; screen surface dirty.	Ensure projector is set to its brightest mode. Gently clean the screen surface as per maintenance instructions.

7. SPECIFICATIONS

Attribute	Detail
Brand	Spectra Projection
Model Number	90" Diagonal Size - HDTV[16:9]
Screen Surface Description	ALR (Ambient Light Rejecting)
Material	Ambient Light Rejecting Surface
Display Dimensions	90 inch Diagonal
Aspect Ratio	16:9 HDTV
Gain	0.5
Resolution Support	4K+
Mounting Type	Wall Mount
Item Weight	47.4 pounds
Manufacturer	Spectra Projection
Date First Available	July 27, 2022

8. WARRANTY AND SUPPORT

Specific warranty details for the Spectra Projection Vantage UST Projector Screen are not provided in this manual. For comprehensive warranty information, product registration, and technical support, please visit the official Spectra Projection website or contact their customer service directly. Keep your proof of purchase for warranty claims.

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