FSCREEN

Fresnel ALR Projection Screen

Maintenance Manual

1. Introduction

The Fresnel projection screen is a vital component in ensuring optimal visual display quality. Regular maintenance is essential to prolong its lifespan and maintain performance. This maintenance manual outlines the proper procedures for preserving and caring for the Fresnel projection screen.

2.Cleaning Instructions

2.1. Cleaning Frequency:Perform regular cleaning based on usage frequency, but at least once every two weeks for screens in daily use.

2.2. Cleaning Materials:Use a soft, lint-free microfiber cloth or a specialized projector screen cleaning kit.

2.3. Cleaning Procedure:
a. Turn off and unplug the projector before cleaning.
b. Gently wipe the screen surface in a horizontal or vertical direction to remove dust and smudges.
c. Compare to black-grid surface bump structure, Fresnel optical screen with smooth surface,which is not easy to accumulate dust.Clean directly with an alcohol-based towel in daily life.

3.Protection and Handling

3.1. Avoid Touching the Screen Surface:Do not touch the screen surface with bare hands or sharp objects. Fingerprints, dirt, or scratches may affect projection quality.

3.2. Proper Storage:When not in use, cover the projection screen with a clean, soft cloth or a protective cover to prevent dust accumulation and potential damage.

3.3. Transport:
During transportation, ensure the screen is secured and adequately padded to prevent shocks and impact.

4.Environmental Considerations

4.1. Optimal Operating Conditions:Maintain the projection screen in a controlled environment with moderate temperature (20°C to 25°C) and humidity (40% to 60%)

4.2. Avoid Direct Sunlight:Keep the screen away from direct sunlight or any intense light sources that could cause discoloration or deformation.

5.Troubleshooting

5.1. Image Quality Issues:If you notice any irregularities in the projected image, such as blurriness or color distortion, perform a thorough cleaning as described in Section 2.

5.2. Scratches or Damages:In case of any scratches or damages to the screen, contact the manufacturer or an authorized service center for guidance on repair or replacement.

6.Safety Precautions

6.1. Electrical Safety:Always disconnect the power source and allow the projector to cool down before attempting any maintenance tasks.

6.2. Chemical Safety:When using cleaning solutions, follow the safety guidelines provided by the solution manufacturer.

7.Conclusion

Proper maintenance of the Fresnel projection screen will ensure optimal image quality and extend its life. Regular cleaning and careful handling are key to enjoying an excellent projection experience.

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www.fscreens.com
Stella@fscreen.com
No.9Tianyu Road, Hi-tech District ,Chengdu, Sichuan Province, China