

## SHOWGUN Cleaning Procedure

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All glass parts should be cleaned with using a mild glass cleaner (containing no ammonia) and a soft, lint-free cotton cloth.

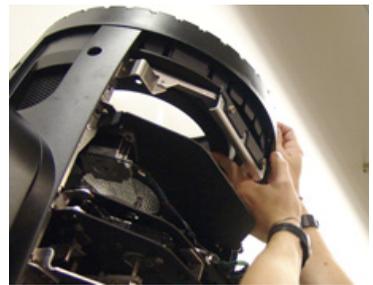
You can use a diffusion cleaning applicator (HES p/n 90901001) to access and clean the outside of the Dual Acromat lens, lithos, color and soft edge flags.



### Microfresnel Lens

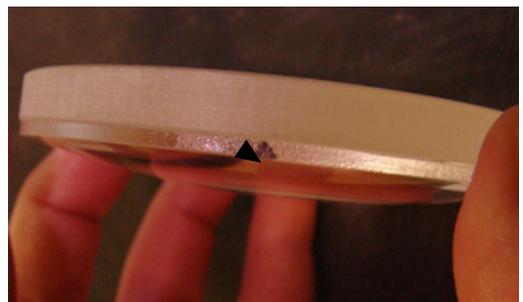
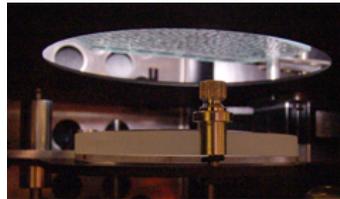
You can clean both sides of the Microfresnel lens without removing it from the fixture.

1. Using your DMX console, set the Zoom parameter to fully extend the lens.
2. Disconnect the fixture from power and, after allowing the fixture to cool, loosen two captive screws to remove the the lamp housing door on the same side as the lamp blower exhaust.
3. Rotate the head and clean the outside of the lens.
4. Reach inside the head to clean the back side of the lens.
5. Replace the door, and apply power to re-home the fixture.



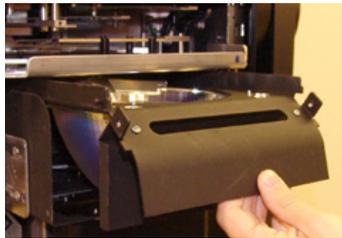
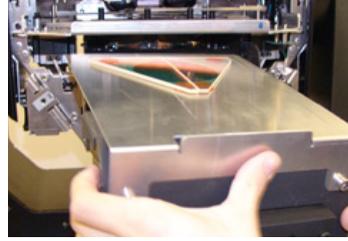
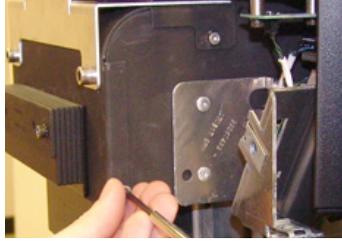
### Achromatic Lens

1. The Achromat consists of two air-spaced optical lens components. Loosen the thumb screw and, holding both lenses, remove them from the fixture.
2. Separate to clean.
3. Reassemble the lenses. The double convex fits against the concave side of the top lens. Align the arrow to point toward the top lens.
4. Replace the lenses with the double convex on the bottom toward the lamp.
5. Tighten the thumbscrew. The lens will fit loosely.



## Reflector

1. Loosen two captive screws on each side to remove the two side bezels
2. Loosen four captive screws to remove the rear bezel
3. Using a 3 mm hex, remove the four M4 screws and slide the hot mirror mount out of the unit.
4. Slide the reflector out of the mirror mount.
5. Clean the reflector and replace.



## Filter

There is a washable filter located on one side of the electronics housing attached with velcro. Remove, wash with soap and water.

Allow to dry and then reattach.



For more information on maintaining and servicing your SHOWGUN fixture, see the **SHOWGUN™ User Manual** available online at:

[http://www.highend.com/support/automated\\_luminaires/showgun/showgun.asp](http://www.highend.com/support/automated_luminaires/showgun/showgun.asp).