



Apogee Window Cleaning Guide

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Welcome

Thank you for purchasing an Apogee camera. This window cleaning guide is provided as a resource for performing basic maintenance on your window. If you have any questions regarding this procedure please visit our website or call our customer support so we can better serve you.

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Cleaning Procedure

Cleaning the camera window is relatively simple, below is a straightforward procedure followed by more aggressive steps. The first step is to remove the camera from your application and place it on a clean dry surface.

Note: Do not use fingers to open shutter.

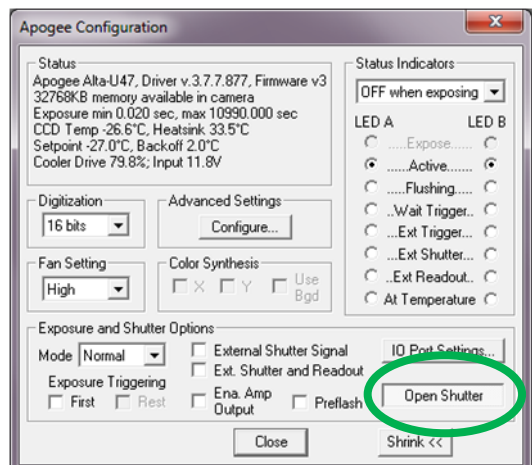
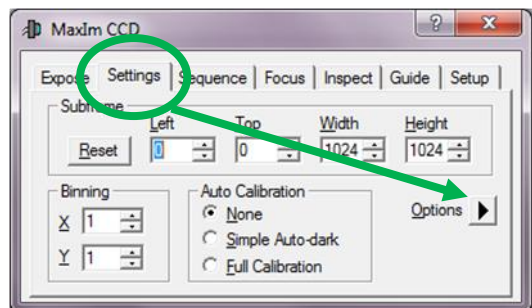
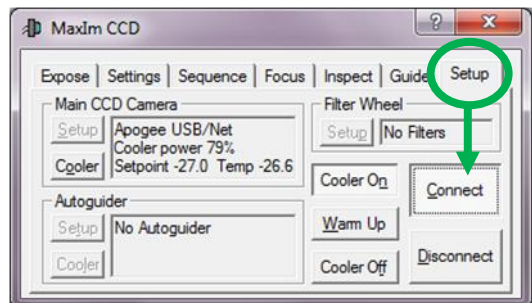
Open the shutter using camera control software. If your program does not have this feature another option is to start a long exposure. Over exposing the CCD to room light will not damage the CCD.

Customers using Maxim can select the **Setup** tab and click **Connect**. More detailed instructions for setting up your camera using Maxim can be found at our website, www.ccd.com.



Once connected to the camera select the **Settings** tab and click the **Options** arrow.

A new window will appear, click **Open Shutter**. The shutter should open immediately.



IMPORTANT: If using a compressed air can always test-blast away from window before using. You'll notice a spray of condensation shoot out from the can. If condensation does spray on the window, do not wipe, allow it to dry fully before proceeding. Always use the compressed air can as upright as possible.

With the shutter open turn the camera on its side making it easier for particles to fall out of the camera head. You might have to remove a buttonhead screw from the tripod mount for the camera to sit flat. Face the window toward you at the edge of a table.

Give the window short blasts of compressed air to work dust particles out of the camera head.

If there are still particles stuck on the window use an optics brush to dislodge them from the window surface. Spray the dust particles out of the camera head with compressed air.

Note: *The glass is close to the CCD, if you over clean or scratch the window it will need to be replaced. This is not covered under the warranty. It's better to under-clean than to over-clean.*

Make sure to use compressed air to clean your adapter tubes and focal reducers so you don't get more dust once everything's assembled.

