

Denoise using the 2025 version of Photoshop

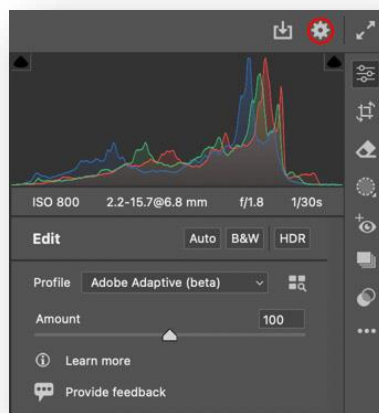
To carry out the denoise feature of this version of Photoshop, drag a raw file to the Photoshop icon on the desktop or directly into the work area of Photoshop. This will open the file in Adobe Camera Raw (ACR).

Alternatively display the image in Adobe Bridge and click the cog icon at the top left to load it into Camera Raw.

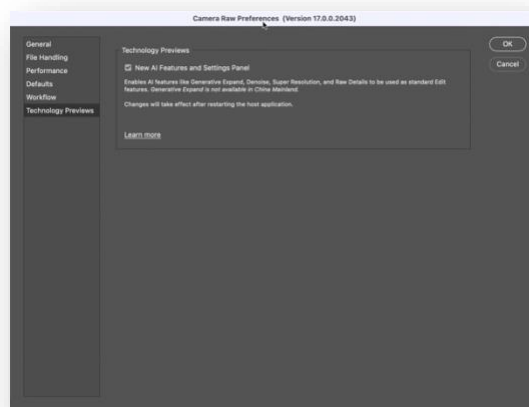


After loading the image in ACR for the first time, do this first:

Click the cog icon at top right of the Adobe Camera Raw (ACR) window.



Select the Technology Previews tab, place a tick in the New AI Features and Settings Panel click OK, this will allow the new noise reducing controls to become active.



Click Cancel at the bottom of the ACR window, close down Photoshop, then reopen it, the foregoing actions will now take effect on images subsequently loaded into ACR.

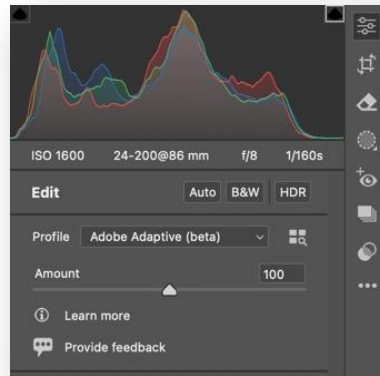
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Now once again:

Drag the raw file to the Photoshop icon on the desktop or directly into the work area of Photoshop.

This will open the file in ACR.

When the image is displayed select the Colour Profile “Adobe Adaptive (beta)”.

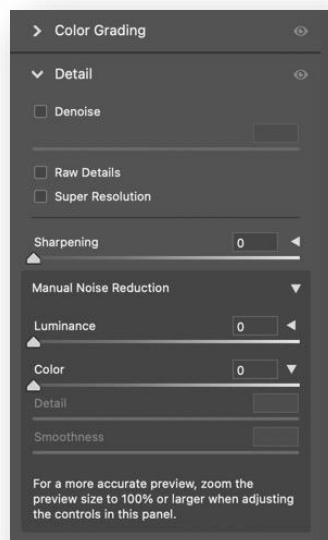


Why?

Adobe Adaptive is used to gain maximum advantage using AI to better analyse the image's lighting, colour, and tonal balance. This means it can provide a more accurate starting point for edits compared to other profiles.

To Denoise The Image

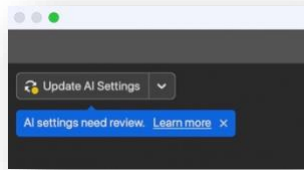
Open the Detail tab to gain access to the Non-Destructive noise reduction controls.



Place a tick in the Denoise checkbox, ACR will now analyse the noise in the image, when this operation completes the Sharpening slider can be moved to the right to remove more noise or the left to remove less noise. To see the effects of the changes increase the size of the image by pressing CMD (Mac) or CTRL (Windows) using the + (plus) and - (minus) keys.

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When the slider was set to 80. Look top left after carrying out this operation as Camera Raw may request the user to Update the AI Setting by clicking on “Update AI Settings”, this box may also appear when the Denoise and Sharpening controls are moved.



When the results are satisfactory open the image in Adobe Photoshop.

As a by-product of this process a small .ACR file is created.

The effect of this .ACR file is that the edits carried out in ACR are contained in this file, the more edits that are carried out, the size of this file will increase.

After carrying out the edits and the user is satisfied the Done button can be pressed and ACR will close and any edits carried out will be saved in the .ACR file.

The .ACR file will only be produced if the raw file comes from a camera like Canon and Nikon et al.

If the raw file is a .DNG file that can be produced by a phone camera then the changes made in ACR are saved back into the .DNG file.

.ACR Description

A .acr file is an adjustment file created by Adobe Camera Raw (ACR), a plug-in for Adobe Photoshop that allows you to process raw images. These .acr files store settings and adjustments applied to the raw image file, such as exposure, white balance, contrast, masking and other editing parameters.

Here's how it works:

- When you edit a raw image in Adobe Camera Raw, the settings are saved separately in an .acr file or sometimes as an .xmp sidecar file. This allows you to keep the raw image file intact while storing your edits independently.
- If you open the same raw image later, Adobe Camera Raw will automatically read the associated .acr file and apply the saved adjustments.

It's important to note that .acr files are specific to Adobe Camera Raw and are not generally recognized by other photo-editing software.

It is important to remember that once the file has been passed to Photoshop for further editing. The Photoshop editing and the file produced and saved will have no relationship to the initial raw file. If further editing of the raw file in the future is necessary, drag the raw file onto the Photoshop icon on the desktop or directly into the work area of Photoshop. This will open the file again in Adobe Camera Raw (ACR) for further editing.