

Removing dust and scratch marks from bitmaps in CorelDRAW

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You can quickly improve the appearance of a bitmap by removing dust and scratch marks. The dust and scratch filter works by eliminating the contrast between pixels that exceed the contrast threshold you set. You can set a radius to determine how many pixels are affected by the changes. The settings you choose depend on the size of the blemish and the area surrounding it. For example, if you have a white scratch that is 1 or 2 pixels wide on a dark background, you can set a radius of 2 or 3 pixels and set the contrast threshold higher than if the same scratch was on a light background.

Process to remove dust and scratch marks from a bitmap

To remove dust and scratch marks from a bitmap

1. Click **Effects** ▶ **Correction** ▶ **Dust and scratch**.

2. Move the following sliders:

- **Radius** — lets you set the range of pixels used to produce the effect. Set the radius as low as possible to retain image detail.

- **Threshold** — lets you set the amount of noise reduction. Set the threshold as high as possible to retain image detail.

JPEG 2000 (JP2) in CorelDRAW

JPEG 2000 (JP2)

The JPEG 2000 (JP2) file format is a JPEG image with advanced compression and file data capabilities. JP2 files can store more descriptive file data (or metadata) than JPEG 2000 codestream files, which are optimized for network transmission.

You can import either JP2 or JPC files but export only to the JP2 format. When you export the image to a JP2 file, you can choose to view download progression by resolution, quality, and position.

Process to import a JPEG 2000 file

To import a JPEG 2000 file

1. Click **File** ▶ **Import**.

The **File** ▶ **Import** command lets you place the file as an object in the active image. If you want to open the file as an image, click **File** ▶ **Open**.

2. Locate the folder in which the file is stored.
3. Choose **JP2 - JPG 2000 bitmaps** from the **Files of type** list box.
4. Click the filename.
5. Click **Import**.
6. Click the drawing page.

Process to export a JPEG 2000 file

To export a JPEG 2000 file

1. Click **File** ▶ **Export**.
2. Locate the folder in which you want to save the file.
3. Choose **JP2 - JPEG 2000 Codestream** or **JP2 - JPEG 2000 Standard** from the **Save as type** list box.
4. Click **Export**.
5. In the **Convert to bitmap** dialog box, adjust any of the settings, and click **OK**.
6. In the **JPEG 2000 export** dialog box, specify the compression ratio in the **Compression** box.
7. From the **Progression** list box, choose one of the following:
 - **Quality** — lets you set the image download by the amount of detail in the image
 - **Resolution\Quality** — lets you set the image download from low to high resolution so that the size of the entire image increases
 - **Position\Quality** — lets you set the image download from the upper-left corner of the image to the lower-right corner