Concatenate

version 23 for Adobe Illustrator

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support@rj-graffix.com
http://rj-graffix.com

Concatenate is a plug-in for Adobe Illustrator that connects two or more paths into one continuous path. It's especially useful for cleaning up CAD drawings, exported from 3D applications, and EPS files that have been converted to Adobe Illustrator or, for example, filling state/country borders in Mountain High Maps or GIS data maps such as those from the USGS.

It requires Adobe Illustrator version CC 2019 through 2022 on either Mac or Windows.

To install the plugin, just drop it into Adobe Illustrator's "Plug-ins" folder. It doesn't matter if you put it in a subfolder you create (just to keep things tidy) or at the top level of the Plug-ins folder.

The correct path to the main plugins folder under **Windows (64-bit)** is:
Windows (C:)\Program Files\Adobe\Adobe Illustrator[version]\Plug-ins

The **Windows 32-bit** path just adds the "(x86)" like this:
Windows (C:)\Program Files (x86)\Adobe\Adobe Illustrator [version]\Plug-ins

On a **Mac**, the path to the plugin folder is:
/Applications/Adobe Illustrator [version]/Plug-ins

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To activate the plugin, please purchase a license at https://rj-graffix.com. Activation codes will be emailed to you, which you can enter after clicking the *Activate* button in the plugin's About Box window.

For more support information, please visit https://rj-graffix.com/support/

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The filter adds two items to the Paths submenu in the Objects menu: Concatenate and Assimilate. To control the settings of the plugin, open the Concatenate panel from the Window menu. You'll see several options. First is the maximum distance two endpoints can be from each other to be joined. Enter a distance in the edit box or use the default value. Second is the maximum angle the paths can be from each other to be joined. A setting of 180° will include paths at any angle, while a setting of 0° will allow only paths that are within half a degree of parallel to be concatenated. Third, select the maximum angle you want to allow for the plugin to align control handles when curved paths are joined. A fourth option determines a tolerance for the angle of two straight segments to be joined and have the connecting anchor point removed. A very small value, such as 0.001, should provide a good balance between path simplification and maximum accuracy. Paths in the front will be joined with paths below them, regardless of path styles, grouping or layers. If the concatenated path has its endpoints within the given tolerances, it will make it a closed path.

To use the Concatenate filter, select two or more paths located end-to-end that you'd like to connect. Then select "Objects > Paths > Concatenate..." or click either button on the panel.

Assimilate is similar to Concatenate, except that you need only select one open path, and the plugin will search all visible, unlocked layers for visible, unlocked open paths within the distance and angle specified, and then concatenate them.

If your file is very complex, a dialog may appear with a progress bar, so you can cancel the plugin's operation (click the button on the dialog, press Esc, or press Cmd-. or Ctl-.).

You can watch a video demo of the plugin here: https://youtu.be/eLNU_Ovj6ck

Feel free to use this filter for an evaluation period of 500 uses. During this period it will be fully functional, and not limited in any way.

To license the plugin, go to the Graffix web site at http://rj-graffix.com and follow the menus to the Concatenate product page, or just navigate to http://rj-graffix.com/product/concatenate-plugin/ and choose your platform and license type. After completing your purchase, you'll be sent an email confirming the transaction and a second email containing your activation codes. To enter the codes, go to the plugin's About box and click the Activate button. You can type in the code (without hyphens) or simply copy and paste it into the first text field. By default, the plugin will automatically check for plugins every 30 days, but with the update button in the About box you can configure the settings.

Please note that this plugin is part of the Productivity Pack group which includes all paid plugins by Graffix, including new plugins yet to be released beginning summer of 2017.