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1

WELCOME

THE COREL KPT COLLECTION FILTERS

Welcome to Corel® KPT® Collection, the revolutionary KPT series of filters designed to help you create dazzling and unique effects.

Corel KPT Collection includes 24 extraordinary filters that produce dazzling and unique effects for print and the Web.

KPT FiberOptix

The KPT® FiberOptix™ filter lets you create realistic hair, fur, rain showers, and more. You can control the length, color, and tint of each fiber you create on a source image. Using a mask, you can create fibers in specific shapes; for example, you can create hair that grows as text.

KPT Frax4D

The KPT® Frax4D™ filter lets you create 3-D sculptures out of fractal space. You can wrap these sculptures with any environment map. You can also rotate sculptures and render them as images.

KPT Blurrrr

The KPT® Blurrrr™ filter lets you manipulate the pixels in a source image to soften, smooth, and blend its edges and colors.

KPT Equalizer

The KPT® Equalizer™ filter lets you use a variety of filters to add interesting effects to images by manipulating their frequencies; for example, you can sharpen or blur images.

KPT FraxPlover

The KPT® FraxPlover™ filter lets you create an infinite variety of fractal patterns. You can also customize fractals using various color, contrast, distortion, and zooming tools.

KPT ShapeShifter

The KPT® ShapeShifter™ filter lets you apply interesting effects to objects; for example, you can apply bevels, graphics and text layers, and dimensions. You can also use environment and bump maps to achieve reflections and surface texture. You can

create multiple objects at once; for example, by loading a mask with the shapes of each letter in a font set, you can turn the shapes into 3-D buttons for a Web site.

KPT Noize

The KPT® Noize™ filter lets you explore a variety of mathematically generated noise patterns that can be used as textures, patterns, or noise maps. You can select a noise family, mutate it to explore its variations, and apply it to a source image.

KPT Gel

The KPT® Gel™ filter lets you use paint tools to create 3-D images, text treatments, and objects such as buttons and borders. You can use lighting effects, tinting, and transparency to control the qualities of effects.

KPT Goo

The KPT® Goo filter lets you create effects that simulate the look of gelatin finger-painted on a source image. You can smear, splatter, twirl, pinch, or bulge images to create unique results. You can also use animation controls to save effects as movies.

KPT LensFlare

The KPT® LensFlare™ filter lets you apply interesting effects on a source image to simulate the photographic reflections created by a bright light shining on a camera lens. For example, you can create glows, halos, and streaks of light.

KPT Materializer

The KPT® Materializer™ filter lets you create complex textures, stunning backgrounds, and dazzling text treatments on source images. You can import bump maps and scale, pan, and rotate them to achieve interesting effects. You can also use lighting controls to manipulate surface textures.

KPT Projector

The KPT® Projector™ filter lets you use warping effects to create 2-D perspective distortions and 3-D transformations on source images. You can also create infinite planar tiling at any angle, and you can use anisotropic light filtering.

KPT Reaction

The KPT® Reaction™ filter lets you use patterns and diffusion options to create realistic simulations of organic textures, such as the growth pattern of coral or the stripes on a zebra.

KPT Turbulence

The KPT® Turbulence™ filter lets you create waves on a surface image. As the waves distort the image, they become animated and fluid. You can apply color blends to the waves. You can also take a snapshot of the waves that you can apply to a source image, or you can save the waves in motion as a movie.

KPT RadWarp

The KPT® RadWarp™ filter lets you use a simulated camera effect called barrel distortion to warp the edges of images. You can also correct barrel distortion on images.

KPT Channel Surfer

KPT® Channel Surfer™ lets you apply effects to individual channels in an image. You can blur or sharpen a channel, or adjust its contrast or value. You can adjust the amount and transparency of the effect, and control how the effect blends with the source image.

KPT Fluid

KPT® Fluid™ lets you manipulate images by applying liquid-like transformations and distortions that simulate dragging a brush across a wet surface. You can control the effect by setting the thickness of the fluid as well as the brush size and velocity. You can use various preview techniques to fine tune the effect, and choose to save the fluid in motion as a movie.

KPT FraxFlame II

KPT® FraxFlame II™ lets you explore and mutate an infinite variety of flame fractals. You can also customize fractals with various color, contrast, and distortion techniques.

KPT Gradient Lab

KPT® Gradient Lab™ lets you create complex color blends with various levels of transparency. You can also customize gradients with interesting shapes, styles, and pixel distortions.

KPT Hyper Tiling

KPT® Hyper Tiling™ lets you create and save intricate tiling effects by reducing the source image to create a tile. The tile is then repeated to create a hyper tiling effect. You can create different blends between the source image and the effect, and change the perceived distance from the effect. You can also change the depth, transparency, position, and size, of the effect, and rotate it through space.

KPT Ink Dropper

KPT® Ink Dropper™ lets you create the effect of dropping colored liquid (ink) on glass, canvas, or into another liquid. You can also create your own background images. You can choose the color of the liquid, and change its intensity and transparency. You can also change the size of the individual drops, and the rate at which they disperse on the surface.

KPT Lightning

KPT® Lightning™ lets you create powerful, customized lightning bolts. You can control every aspect of a lightning bolt, from setting its length and color, to determining its path

and how much it zags and wanders. The lightning effect can then be realistically integrated into your source image using one of several blend modes.

KTP Pyramid Paint

KTP® Pyramid Paint™ uses the Lab color mode to let you transform source images into effects that resemble paintings, and perform various color and contrast adjustments to them.

KPT Scatter

KPT® Scatter™ is a 2-D particle system that lets you scatter a range of particles over a source image. You can scatter large masses of particles over an effect, or create densely packed particles to emulate intricate effects such as paint strokes or mosaics. You can also create special effects based on the way particles interact with the properties of a source image.

About the User Guide

The Corel KPT Collection User Guide assumes you are already familiar with basic Mac OS® and Windows® concepts — menus, dialog boxes, and mouse operations, such as clicking and dragging. If you need more information on these subjects, or about the Apple® Finder™ or the Windows desktop, refer to the Mac OS® User Manual or the Microsoft® Windows® User Guide, respectively.

User Guide Conventions

The Corel KPT Collection User Guide is for both Mac OS and Windows platforms. By convention, Mac OS commands precede Windows commands in the text. For example, Command/Ctrl + I, is equivalent to the Mac OS Command + I and the Windows Ctrl + I, and indicates that you must hold down the Command or Ctrl key, and press I. The term “folder” refers to directories as well as folders. The Corel KPT Collection interface for Mac OS and Windows platforms is identical, unless otherwise specified.

About Corel Corporation

Founded in 1985, Corel Corporation (www.corel.com) is a leading technology company specializing in content creation tools, business process management and XML-enabled enterprise solutions. The company’s goal is to give consumers and enterprise customers the ability to create, exchange and instantly interact with visual content that is always relevant, accurate and available. With its headquarters in Ottawa, Canada, Corel’s common stock trades on the Nasdaq Stock Market under the symbol CORL and on the Toronto Stock Exchange under the symbol COR.

Corel Customer Support Services

Corel Customer Support Services can provide you with prompt and accurate information about product features, specifications, pricing, availability, services and technical support.

Online Support Services

For information about online support services, visit www.corel.com. Please note, some of the services are available only in English.

Telephone Support Services

Web services	Description
Corel® Knowledge Base	Allows you to read, print and download documents that contain answers to many technical questions.
Newsgroups (peer-to-peer forums)	Allow you to exchange information, tips and techniques with other users of Corel products.
Downloads	Allow you to download product patches, updates and trial versions.

For detailed information regarding telephone support services, please visit www.corel.com.

Live telephone support services are available for all Corel products from warranty support (30 days) to fee-based Priority and Premium Services. OEM, “white box,” jewel case (CD only), trial, and Academic versions of Corel products are eligible for fee-based support services only.

North America

For pricing, purchasing, or general inquiries about Corel products, you can call Customer Service toll-free at 1-800-772-6735.

To speak directly to a technician please dial 1-613-274-0500. The hours of operation are 8:30 a.m. to 7:30 p.m., Monday to Friday, Eastern Standard Time (EST).

Outside North America

For pricing, purchasing, or general inquiries about Corel products, you can call Customer Service toll-free at 1-800-267-35127. If the country you are calling from is listed below, please call the corresponding number.

Please note that these numbers may change as we adapt our services to fit user needs. Check the international support numbers page at www.corel.com for the most up to date contact details.

Contact Customer Service for pricing, purchasing, general inquiries, or replacement CDs. Contact Technical Support Services should you require technical assistance operating your Corel software.

Country	Customer Service	Technical Support
Argentina	0800 777 3203	57 1 523 1240
Australia	1 800 658 850	61 2 8844 4101
Austria	0192 89600	0192 89600
Belgium (Dutch)	0240 06733	0240 06733
Belgium (French)	0240 06777	0240 06777
Brazil	0800 14 1212	55 11 5696 5797
Chile	54 0800 777 320357	1 523 1240
China	10 800 610 2323	10 800 610 2673
Colombia	01 800 091 9370	57 1 523 1240
Czech Republic	0224 239645	0224 239645
Denmark	352 58008	352 58008
Finland	922 906040	922 906040
France	0170 706090	0170 706090
Germany	06922 2220288	06922 2220288
Hong Kong	800 964 514	800 964 515
Hungary	204 117089	204 117089
Indonesia	1 803 61 539	1 803 61 544
Ireland	0124 77724	0124 77724
Israel	44 1628 581601	44 1628 581601
Italy	0236 003600	0236 003600
Japan	81 3554 53274	81 3531 93013
Luxembourg	44 1628 581603	44 1628 581603
Malaysia	1 800 807 895	1 800 807 899
Mexico	1 800 1234 854	57 1 523 1240
Netherlands	0207 132700	0207 132700
New Zealand	0508 267 351	0800 908 592
Norway	229 71908	229 71908
Poland	071 3477279	071 3477279

Portugal	44 1628 581601	44 1628 581601
Singapore	800 6161 853	800 6161 854
South Africa	0860 223 388	0860 223388
South Korea	82 2 3444 5166	82 2 3444 5166
Spain	0914 141500	0914 141500
Sweden	0856 610555	0856 610555
Switzerland (German)	0158 03280	0158 03280

Mail and Fax Support Services

You can send inquiries to Corel Support Services representatives by mail or fax.

Corel Support Services
1600 Carling Avenue
Ottawa, Ontario, Canada
K1Z 8R7
Fax: 1-613-761-9176

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GETTING STARTED

WHAT IS COREL KPT COLLECTION?

Corel KPT Collection is an extraordinary collection of filters that produce dazzling and unique effects for print and the Web. Whether you are a professional designer, artist, Web author, or hobbyist, the Corel KPT Collection filters will help you take your work to a new creative level, and enhance your productivity.

In this section, you'll learn about

- installing Corel KPT Collection
- accessing and quitting Corel KPT Collection filters
- the workspace
- using panels and sliders
- previewing filter effects
- customizing the workspace
- storing workspace and panel settings
- working with presets

INSTALLING COREL KPT COLLECTION

You can install Corel KPT Collection in host applications compatible with Mac OS and Windows.

TO INSTALL COREL KPT COLLECTION IN MAC OS

- 1 Insert the Corel KPT Collection CD into the computer's CD drive.
- 2 Browse to the **Corel KPT Collection** folder.
- 3 Double-click the **Corel KPT Collection installer** icon.
- 4 Follow the instructions on your screen.

TO INSTALL COREL KPT COLLECTION IN WINDOWS

- 1 Insert the **Corel KPT Collection** CD into the computer's CD drive.
- 2 Click **Install**.
- 3 Follow the instructions on your screen.

ACCESSING AND QUITTING FILTERS

You can access a Corel KPT Collection filter from the host application. You can quit a Corel KPT Collection filter in two ways. You can quit a filter and apply the effect to the source image in the host application. You can also quit a filter without applying the effect to the source image in the host application.

TO ACCESS A FILTER

Do one of the following:

- In Adobe® Photoshop®, click **Filters** ► **Corel KPT Collection**, and click a filter.
- In Painter, click **Effects** ► **Corel KPT Collection**, and click a filter.
- In Corel PHOTO-PAINT, click **Effects** ► **Corel KPT Collection**, and click a filter.
- In Bryce®, click a flyout arrow in the **Pictures** dialog box in **Picture editor**, click **Corel KPT Collection**, and click a filter.

Note

If you want to access a Corel KPT Collection filter in Bryce for the first time, you must first click a flyout arrow in the **Pictures** dialog box, click **Select plug-ins folder**, choose the folder where Corel KPT Collection is installed, and click **Choose/OK**.

To quit a filter

Click one of the following buttons:

- **OK** — to quit a filter and apply the effect
- **Cancel** — to quit a filter without applying the effect

Using panels and sliders

You can set the style in which panels display. You can also move sliders.

To set a panel display style

- 1 Click the filter name.
- 2 From the **Filter options** list box, choose one of the following styles:

- **Panel auto popup** — to automatically expand panels as you move the pointer over them
- **Panel manual popup** — to manually expand panels by clicking the **Cycler** button in the title bar
- **Panel solo mode** — to expand the current panel and automatically collapse those not in use

Note

In **Panel auto popup** mode, sliders expand to display a panel with additional controls you can use to adjust slider settings incrementally, and view previous slider settings (indicated by the location of the gray arrow).

In **Panel manual popup** mode, you can expand a panel by clicking the **Cycler** button in the right corner of its title bar.

In **Panel solo mode**, you can collapse an expanded panel by double-clicking its title bar.

To move a slider

- Drag the black slider arrow.

Previewing filter effects

The **Preview** window lets you dynamically view the results of your work. You can apply a background to the **Preview** window. You can also move and size the **Preview** window.

To apply a background to the Preview window

- Click the flyout arrow in the **Preview** window, and choose one of the following options from the **Preview options** list box:
 - **Preview against black** — to display an effect against a solid black background
 - **Preview against white** — to display an effect against a solid white background
 - **Preview against checkerboard** — to display an effect against a background of gray squares
 - **Preview against dark checkerboard** — to display an effect against a background of dark gray squares
 - **Preview against gradient** — to display an effect against a grayscale gradient background

Note

The effect only displays against the background while it is in the **Preview** window. The background is not applied to the source image in the host application, and does not impact the final render of the effect.

To move the Preview window

- Drag the title bar.

To size the Preview window

- 1 Click the flyout arrow in the **Preview** window.

- 2 From the **Preview options** list box, choose one of the following **Preview** window sizes:

- **Small preview**
- **Medium preview**
- **Large preview**

CUSTOMIZING THE WORKSPACE

You can apply a fun icon style to the common workspace. If the KPT workspace is smaller than the resolution of your screen, you can also display or hide common workspace controls.

To apply a fun icon style to the common workspace

- 1 Click the **KPT** logo.
- 2 Choose **Smileys!** from the **Global options** list box.

To display or hide common workspace controls

- 1 Click the **KPT** logo.
- 2 Choose **Black out screen** from the **Global options** list box.

STORING WORKSPACE AND PANEL SETTINGS

Storing workspace settings lets you save different workspace layouts. For example, you can arrange all panels on one side of the workspace and enlarge the **Preview** window, and then save this layout for later use.

Storing panel settings lets you save and compare different versions of a filter effect.

The workspace and panel settings you save are retained from one session to another, so you can use them again and again. When you no longer need stored workspace and panel settings, you can clear them. You can also restore default workspace or panel settings.

To STORE WORKSPACE SETTINGS

- Click a gray memory dot in the **Layout** panel.

Note Empty memory dots display gray, full memory dots display green, and memory dots currently in use display yellow.

To STORE PANEL SETTINGS

- Click a gray memory dot in the **Recall** panel.

To USE STORED WORKSPACE OR PANEL SETTINGS

- Click a green memory dot in one of the following panels:
 - **Layout** — to use stored workspace settings
 - **Recall** — to use stored panel settings

To CLEAR STORED WORKSPACE OR PANEL SETTINGS

- Hold down **Option/Alt**, and click the corresponding green memory dot in one of the following panels:

- **Layout** — to clear stored workspace settings
- **Recall** — to clear stored panel settings

To RESTORE DEFAULT WORKSPACE OR PANEL SETTINGS

- Click the memory dot in the center of one of the following panels:
 - **Layout** — to restore default workspace settings
 - **Recall** — to restore default panel settings

Working with PRESETS

Some Corel KPT Collection filters provide you with preset effects. You can load a preset effect. You can also save an effect you create as a preset. You can create multiple presets categories in which to organize the presets you store.

You can import and export presets.

To load A PRESET

- 1 Click the **Presets** button.
- 2 Double-click a preset thumbnail in the **Presets library** panel.

If the preset is stored in a category, you must first choose the category from the middle-left tile of the **Presets library**

panel, then double-click a preset thumbnail.

Note

You can preview a preset by single-clicking a preset thumbnail. A larger version of the preset thumbnail displays in the upper-left tile of the **Presets library** panel.

To save an effect as a preset

- 1 Click the **Presets** button.
- 2 Choose a category from the middle-left tile of the **Presets library** panel.
- 3 Click **Add preset**.

A preset thumbnail displays in the **Presets library** panel.

Note

You can also delete a preset from a category by clicking a preset thumbnail, and clicking **Delete preset**.

To create a presets category

- 1 Click the **Presets** button.
- 2 Click the flyout arrow in the **Presets library** panel, and click **Create new category**.
- 3 A text box displays in the middle-left tile of the **Presets library** panel.
- 4 Type a name.
- 5 Press **Return/Enter**.

Each category can store up to 24 presets.

To import a preset

- 1 Click the **Presets** button.

- 2 Click **Import** in the **Presets library** panel.

If you want to import a preset to a specific category, you must first choose the category from the middle-left tile of the **Presets library** panel, and then click **Import**.

- 3 Choose the folder where the file is stored in the **From** dialog box.
- 4 Click the file.
- 5 Click **Open**.

The preset displays as a thumbnail in the **Presets library** panel.

To export a preset

- 1 Click the **Presets** button.
- 2 Choose a category from the middle-left tile of the **Presets library** panel.
- 3 Click a preset thumbnail.
- 4 Click **Export**.
- 5 In the **Save as** dialog box, type a filename in the **Save as** box.
- 6 In the **Where** box, choose the folder where you want to export the file.
- 7 Click **Save**.

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KPT Goo

WELCOME TO KPT Goo

KPT Goo allows artists to “finger paint” with images within Photoshop. Use KPT Goo’s liquid distortion brushes to manipulate high quality images for print, or to quickly produce movies for the Web.

NAVIGATION AND RESET TOOLS

The Preview window is where you apply KPT Goo effects and the results are displayed. The bar across the bottom of the window contains navigation and resetting controls. Or, click and drag slider, which erases the effect to the specified percentage. The slider shows the percentage of reset in real time.



Pan lets you pan within the Preview window by clicking the crosshair. This can be used to access corners of the document at 2:1 or 4:1 zoom. Panning also works at 1:1 or when zoomed out, which is useful when working with a large image. Shortcut Key: Spacebar+Drag on Preview.



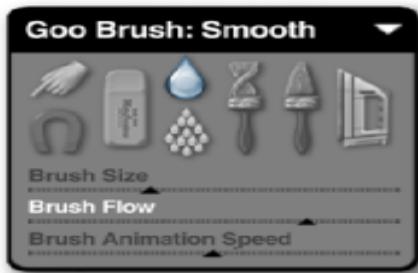
Zoom + zooms in the Preview window. Each click magnifies the image to the next preset percentage (by a factor of two, up to a maximum 4:1). At maximum magnification, the Zoom tool is grayed-out. Shortcut Key: Command/Ctrl + (plus sign).



Zoom – zooms out the Preview window. Each click reduces the image to the next preset percentage (by a factor of two, up to a maximum 1:8). At minimum magnification, the zoom tool appears grayed-out. Shortcut Key: Command/Ctrl – (minus sign).

Using BRUSHES AND TOOLS

The Goo Brush panel displays all the available brushes and tools you can use with KPT Goo. As you switch between different brushes, you can set the Size and Flow, and in some cases, the Animation Speed.



The Goo Brush panel.

To SELECT A KPT Goo TOOL

- 1 Move your cursor across the panel and click the tool you want to use. Tool names are displayed on the title bar.

Once selected, the active tool is displayed in color, while the other tools are grayed-out.

SETTING SLIDERS

The Goo Brush panel includes standard KPT sliders. Sliders are the mechanism for adjusting a panel's settings. When you move a slider, the panel expands to give you additional slider controls.

Refer to "Using panels and sliders" on page 8 for more information about working with sliders.

SETTING BRUSH OPTIONS

You can adjust Size, Flow, Animation Speed, and how a brush is displayed as you work with it. Once you've made changes to the brush options, you may wish to reset a brush or all brushes to their default state.

To RESET A BRUSH TO ITS DEFAULT STATE

- 1 Select the brush you want to reset.
- 2 Click the Brush Options menu triangle in the top right corner of the Goo Brush panel.
- 3 Choose Reset Current Brush to Default.

To RESET ALL BRUSHES TO THEIR DEFAULT STATES

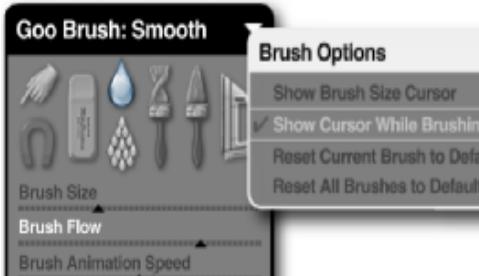
- 1 Click the Brush Options menu triangle in the top right corner of the Goo Brush panel.
- 2 Choose Reset All Brushes to Default.

SELECTING A CURSOR TO USE

You can choose between different cursors or visual representations of the tool that you're using. You can set the cursor to be a small cross-hair (for fine detail work), a circle the size of the goo that will be applied (letting you see the image you're working with, while still being able to evaluate how large an area is affected), or use an image of the brush as your cursor.

TO USE A CROSS-HAIR CURSOR

- 1 Click the Brush Options menu triangle in the top right corner of the Goo Brush panel.



Use the Brush Options menu to set the cursor for how you like to work.

- 2 Enable (check) Show Brush Size Cursor.
- 3 Disable (uncheck) Show Cursor While Brushing.

TO USE A CIRCLE THE SIZE OF THE BRUSH AS THE CURSOR

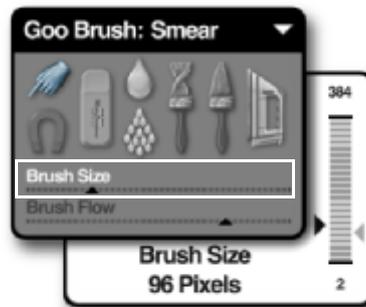
- 1 Click the Brush Options menu triangle in the top right corner of the Goo Brush panel.
- 2 Enable (check) Show Brush Size Cursor.
- 3 Set the Brush Size to greater than 14 pixels.

TO USE AN IMAGE OF THE BRUSH AS THE CURSOR

- 1 Click the Brush Options menu triangle in the top right corner of the Goo Brush panel.
- 2 Disable (uncheck) Show Brush Size Cursor.

BRUSH SIZE

The Brush Size option lets you control how many pixels are covered by the brush as you use it to apply a KPT Goo effect. The greater the number of pixels, the larger the area in the image or selection that's effected. You can make brushes as small as 2 pixels (for detailed work) or up to 384 pixels (when one grand sweep is what's called for).



Set Brush Size by dragging the slider or entering a numeric value.

TO ADJUST BRUSH SIZE

- Click the Brush Size setting and drag the slider right for a larger brush, or left for a smaller brush. Or, drag the marker on the ruler up (larger) or down (smaller).

The ticks on the ruler show you the adjustment increments. The small ghosted arrow (on the right) indicates the last value entered.

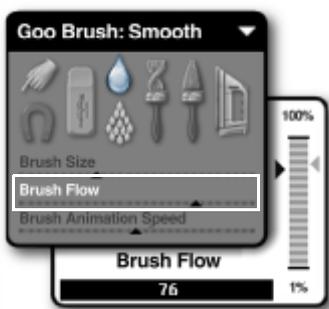
TO ENTER A NUMERICAL VALUE

- 1 Click the number displayed on the extended panel.

- 2 Type in the desired value.

Brush Flow

Brush Flow controls the flow of media being applied by a brush. The higher the flow, the more liquid the image appears (that is, colors streak and distort more easily).



Set Brush Flow by dragging the slider or entering a numerical value.

To SET BRUSH FLOW

- Click the Brush Flow setting and drag the slider right (heavy flow) or left (light flow), or drag the marker on the ruler up (heavy) or down (light).

The ticks on the ruler show you the adjustment increments. The small ghosted arrow (on the right) indicates the last value entered.

TO ENTER A NUMERICAL VALUE

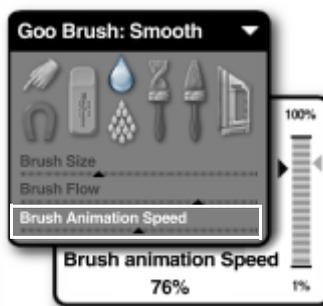
- 1 Click the number displayed on the panel.
- 2 Type in the desired value.

Note

Brush Size and Brush Flow can be set for each of the KPT Goo brushes. If you do not set them, the default settings are used.

BRUSH ANIMATION SPEED

Brush Animation Speed controls how fast an effect is applied. For example, you can set how fast the image is twirled when using the Twirl Brush. Set Brush Animation as low as 0% (the slowest speed possible) to 100% (maximum speed). When you set Brush Animation Speed at 0%, you can physically move the brush, controlling completely the effect you are applying. The greater the speed, the more animated the brush effect becomes, without requiring you to move the tool. This allows effects like Twirl or Pinch to be performed in-place. With Speed set low, an effect acts more like a paintbrush, with it set high, it acts more like a continuous-flow airbrush.



Set Brush Speed by dragging the slider or entering a numerical value.

Note

Brush Speed is used with the Smooth, Noise, Twirl+/-, Pinch/Bulge, and Iron tools.

To adjust BRUSH ANIMATION SPEED

- Click the Brush Animation Speed setting and drag the slider right (maximum speed) or left (minimum speed) or drag the marker on the ruler up (more) or down (less).

The ticks on the ruler show you the adjustment increments. The small ghosted arrow (on the right) indicates the last value entered.

To ENTER A NUMERICAL VALUE

- 1 Click the number displayed on the extended panel.
- 2 Type in the desired value.

Note

Tablet users: KPT Goo supports pressure-sensitivity, and some of the tools are specialized to work better with tablets. The Smear tool varies its size as the pressure changes, but keeps a constant level of flow. The Magnet tool varies its flow as the pressure changes, but keeps a constant physical size. Similarly, the UnGoo tool varies its flow with pressure. This behavior attempts to approximate how physical versions of these tools would behave, and adds an extra degree of realism for tablet users.

Choosing A BRUSH

SMEAR



The Smear tool applies distortion pressure for creating quick, dramatic distortions. If you are using a pressure-sensitive tablet, greater pressure with the Smear tool results in wider lines.

To USE THE SMEAR TOOL

- 1 Click the Smear icon on the Goo Brush panel.
- 2 Set the Brush Size and Flow to desired settings.
- 3 Drag across the selection you want to distort.

MAGNET



The Magnet tool applies a larger amount of distortion to the image or selection. If you are using a pressure-sensitive tablet, greater pressure with the Magnet results in more flow.

To USE THE MAGNET TOOL

- 1 Click the Magnet icon on the Goo Brush panel.
- 2 Set the Brush Size and Flow to desired settings.
- 3 Drag across the selection you want to distort.

UnGoo



The UnGoo tool works like a standard eraser, taking away goo effects. If you are using a pressure-sensitive tablet, greater pressure with the UnGoo tool results in more flow.

To use the UnGoo tool

- 1 Click the UnGoo icon on the Goo Brush panel.
- 2 Set the Brush Size and Flow to desired settings.
- 3 Drag across the selection you want erase.

Smooth



The Smooth tool lets you flatten, “buff,” or “melt” goo into a desired effect. It softens hard edges. Brush Animation Speed controls how fast the brush smooths goo.



Using the Smooth tool.

To use the Smooth tool

- 1 Click the Smooth tool on the Goo Brush panel.
- 2 Set the Brush Size, Flow, and Animation Speed to desired settings.
- 3 Drag across the area you want to smooth, or click and hold.

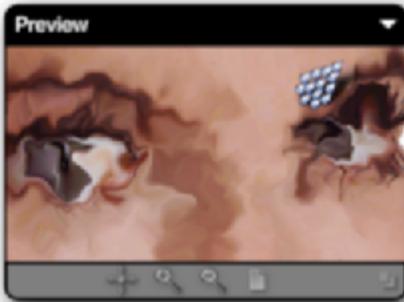
Noise



The Noise tool sprays a shower of random droplets onto an area. Brush Animation Speed controls how fast the brush spreads the noise.

Tip

A low Brush Flow creates a gradual “melting” effect for fine-detailed areas. If the setting is 0, nothing happens.



Using the Noise tool.

To use the Noise tool

- 1 Click the Noise tool on the Goo Brush panel.
- 2 Set the Brush Size, Flow, and Animation Speed to desired settings.
- 3 Drag across the selection you want to apply the noise, or click and hold.

Twirl +/-

The Twirl + tool applies a twirling distortion to an area of the image. You can toggle between Twirl + and Twirl –.



The Twirl + KPT Goo Brush applies a clockwise twirling distortion to an area of your image. The result is an effect that contains clockwise twirl patterns. Brush Animation Speed controls how fast the brush twirls the image.



The Twirl – KPT Goo Brush applies a counter-clockwise twirling distortion to an area of your image. Brush Animation Speed controls how fast the brush twirls the image.



Using Twirl.

To use Twirl +/-

- 1 Click the Twirl icon once for clockwise. This is the default.

Click the Twirl icon again for counter-clockwise.

- 2 Set the Brush Size, Flow, and Animation Speed to desired settings.
- 3 Drag across the area you want to twirl, or click and hold.

Pinch/Bulge

The Pinch icon is a toggle switch that allows you to switch between Pinch and Bulge.



The Pinch brush creates a pinching effect toward the center of the brush. Brush Animation Speed controls how fast the brush pinches the image.



The Bulge brush creates a bulging distortion outward from the center of the brush. Brush Animation Speed controls how fast the brush bulges the image.



Using Pinch and Bulge.

To use Pinch/Bulge

- 1 Click the Pinch icon once for Pinch. This is the default.
Click the Pinch icon again for Bulge.
- 2 Set the Brush Size, Flow, and Animation Speed to desired settings.
- 3 Drag across the area you want to Pinch or Bulge. Or click and hold.

IRON



The Iron tool duplicates, or “irons out” the original image in a different area of your image.



Using the Iron tool.

TO USE THE IRON TOOL

- 1 Click the Iron icon on the Goo Brush panel.
- 2 Set the Brush Size and Flow to desired settings.
- 3 Move your cursor across the selection you want to iron.

MAKING MOVIES

Making movies of your Goo distortions is so easy that you’ll undoubtedly export many movies. This section contains all of the information you’ll need to create interesting and amusing movies.

A movie is created by saving different images, or *keyframes*, to the filmstrip in the Animation control panel. When you play the movie, KPT Goo moves between the images stored in the Animation control panel. The Animation control panel displays all the images in your movie and lets you add or remove frames from the movie.

You can create a maximum of 64 keyframes per movie.



The Animation control panel.

TO SAVE THE CURRENT IMAGE INTO A KEYFRAME

- Click an empty keyframe.

TO REMOVE A KEYFRAME IMAGE

- 1 In the Animation control panel, click the keyframe you want to remove.
A controller appears around the keyframe.
- 2 Click the Remove Keyframe icon (the down arrow in the bottom-center of the keyframe controller).

TO INSERT THE CURRENT IMAGE BETWEEN KEYFRAMES

- 1 Move the cursor over the keyframe where you want to insert your image.

- 2 Click the Insert Keyframe icon (the down arrow in the top-left corner of the Keyframe controller).

All the remaining keyframes move over to the next keyframe space.

To REARRANGE keyframes

- 1 Click and drag the keyframe you want to move.
A ghosted keyframe appears as you drag.
- 2 Release the mouse button over the new keyframe location.

To CREATE duplicate keyframes

- 1 Click the keyframe for the image you want to duplicate.
The image appears in the Preview window.
- 2 Click an empty keyframe. Or, to insert the duplicate keyframe, click the Insert Keyframe icon in the keyframe where you want to insert your image.

To REVIEW MOVIE FRAMES IN THE PREVIEW window

- Click the keyframe for the image you want to review.

Note

You can also use the Animation control panel to store various stages of goo effects as keyframes. When you want to recall an effect, click the Get Preview icon (the up arrow in the top-right corner of the keyframe controller) on the appropriate keyframe, or the keyframe itself. The image is loaded in the Preview window.

To SCROLL THE keyframes IN THE ANIMATION CONTROL PANEL

- Click the left or right arrows on either side of the filmstrip.

To GO TO THE FIRST keyframe IN THE ANIMATION CONTROL PANEL

- Option/Alt-click the left arrow on the left side of the filmstrip.

To GO TO THE LAST keyframe IN THE ANIMATION CONTROL PANEL

- Option/Alt-click the right arrow on the right side of the filmstrip.

PREVIEWING YOUR MOVIES

Once you have saved images into at least two keyframes, you can preview your movie. You can make the movie automatically loop from the last keyframe to the first for an unending movie.

To play a movie

- In the Animation control panel, click Preview.

To stop a movie

- Click anywhere on the screen.

CONTROLLING MOVIE SPEED

The Animation Speed slider sets the speed at which your movie plays. Drag the Playback slider right to increase the speed of your movie, or left to decrease the speed.

SAVING MOVIES

You can save movies on the Macintosh as QuickTime and Sequenced PICT format files. On Windows, you can save movies as AVI, Sequenced BMP, or QuickTime versions 3 or 4 format files. Once you've saved your movie, it can be used in other multi-media applications.

To save a movie

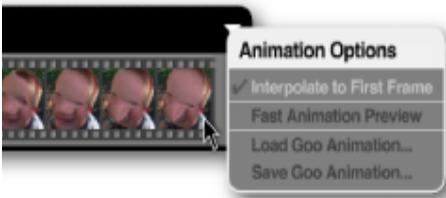
- 1 Make sure you have at least two keyframes in the Keyframe control panel.
- 2 Click the Output button. The Make Movie dialog appears.
- 3 If your image includes a transparency, click the Transparency Options menu triangle in the top right corner of the Make Movie dialog, Then choose one of the following options:
 - Current Preview Compositing: the transparency is saved with the

“Preview Against” value selected under Preview Options. For details on Preview Options, refer to “Using panels and sliders” on page 8.

- Bluescreen Compositing: the transparency appears as a blue background, and can be composited in another program.
- 4 Choose an Output Format from the popup menu.
 - 5 Click the Settings popup to display compression options for your movie.
 - 6 Set the desired Compression options. The options available depend on the Compressor you select. Refer to your Macintosh or Windows system documentation for more on these compressors.
 - 7 Click the arrow icon next to the File Location text label.
The Save As dialog appears.
 - 8 Choose a location and filename for your movie and click Save.
 - 9 Use the Size slider to set the dimensions of your movie. Drag right for a larger screen resolution, or left for a smaller screen resolution.
 - 10 Click the checkmark icon to create a movie file.

SETTING MOVIE OPTIONS

The Animation control panel menu includes options for preview and application quality, and for saving and loading movie keyframes.



The Animation Options menu.

To SET MOVIE OPTIONS

- 1 Click the triangle icon at the top of the Animation window.
- 2 Enable (check) any of the following options:
 - Interpolate to First Frame: when enabled, the movie interpolates from the last keyframe to the first, creating a continuous loop movie.
 - Loop Preview: when enabled, the movie continuously loops to the first frame after the last frame. When disabled, the movie only plays once.
 - Fast Animation Preview: when enabled, the movie is optimized for a smoother and faster preview. This option is more noticeable in more complex movies, where greater complexity may slow down the preview time. When this option is enabled, the quality of the keyframes is lowered.

To quickly CLEAR ALL THE KEYFRAMES IN THE ANIMATION CONTROL PANEL

- Choose **Animation Options menu > Clear Animation Preview.**

LOADING AND SAVING GOO KEYFRAMES

You can save the keyframes you've made in a movie and use them again in a new—or the same—image. Saved files can be opened in SuperGoo.

To SAVE KEYFRAMES OF GOO EFFECTS

- 1 Make the movie that you want to save.
- 2 Click the triangle icon at the top of the Animation window.
- 3 Choose **Animation Options menu > Save Goo Animation.**
A Save As dialog appears.
- 4 Choose a location and filename and click Save.

To LOAD KEYFRAMES OF GOO EFFECTS

- 1 Click the triangle icon at the top of the Animation window.
- 2 Choose **Animation Options menu > Load Goo Animation.** A Load dialog appears.
- 3 Choose the location and filename of the movie file and click Open. You can load both SuperGoo and PowerGoo file formats.

Note

When you load a movie file, only the KPT Goo effects are loaded, not the image associated with the file.

Using Keyboard Commands

Shortcut commands are especially useful for operations that you perform frequently. This section lists KPT Goo-specific commands

Global Commands

What you press:	The results you get:
-----------------	----------------------

Command/Ctrl+	Zoom In
Command/Ctrl-	Zoom Out
Spacebar+Drag Preview	Pan
Command/Ctrl+R	Reset Image
Command/Ctrl+Left Arrow	Select Previous Brush
Command/Ctrl+Right Arrow	Select Next Brush
Command/Ctrl+Up Arrow	Increase Brush Size in small increments
Command/Ctrl+Down Arrow	Decrease Brush Size in small increments

What you press:	The results you get:
Command/Ctrl+Shift+Up Arrow	Increase Brush Flow
Command/Ctrl+Shift+Down Arrow	Decrease Brush Flow
Command/Ctrl+A	Toggle Preview AntiAliasing On/Off
Command/Ctrl+I	Invert Goo
Command/Ctrl+M	Create a movie file
Option/Alt+click keyframe in Animation control panel	Clear a keyframe
Option/Alt+click left arrow in Animation control panel	Jump to first keyframe
Option/Alt+click right arrow in Animation control panel	Jump to last keyframe
Command/Ctrl+H	Toggle horizontal mirror brushing On/Off
Command/Ctrl+V	Toggle vertical mirror brushing On/Off

While Using the KPT Goo Brushes

The Brush you use also determines how the shortcut key responds to different commands. The brush modifier keys are:

Current Brush	Option/ Alt	Shift	Ctrl/Ctrl
UnGoo	Smear	Smooth	Iron
All Others	UnGoo	Smooth	Iron

Note You must hold down the shortcut key while clicking the mouse button.

You can always Undo your last action using Command/Ctrl+Z. If you return to the host application and do not like the effect of KPT Goo, use Edit menu > Undo.

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