

Adobe® Illustrator®

version
8.0

Reviewer's Guide

The industry-standard illustration software

Adobe Illustrator 8.0 software spans the needs of high-end graphics professionals and business users who want their ideas to command attention in print and on the Web. This innovative release reinforces the integration between Adobe Illustrator software and Adobe's other professional graphics programs, while delivering exciting new features that enhance productivity, inspire creativity, and make the program more accessible for all.

The best way to learn the benefits of these new features is to see them in action. That's why we've prepared this hands-on tour of what's new in Adobe Illustrator 8.0—to show you how things work and give you a chance to try features for yourself. We've kept the examples brief because we know your review time is limited. You can follow the examples through in order or jump around looking only at the features that matter most to you (this is not a tutorial, so you don't have to follow a set sequence through the guide). You can even skip the step-by-step review of the program and just skim the procedures and illustrations for a taste of what this exciting release offers. This reviewer's guide is divided into these sections:

- Quick Reference List: Top Fifteen Features in Adobe Illustrator 8.0 (page 2)
- Smooth Integration with Adobe Products and Other Software Tools (page 3)
- Productivity Tools for Meeting Impossible Deadlines with High-Quality Results (page 4)
- Bold New Creativity Tools that Help Users Express Their Ideas (page 12)
- Accessible Tools for a More Intuitive Creative Process (page 19)


Each section guides you through the relevant features and shows you how they help graphics professionals and business users create high-quality graphics with ease. All of the features described apply to both Macintosh and Windows versions of Adobe Illustrator 8.0 software, so feel free to work on your platform of choice or even to move back and forth between platforms.


Before You Begin


Please do the following before you dive into the Reviewer's Guide:

- **Install your Adobe Illustrator 8.0 software.** For installation instructions, see the ReadMe file on your reviewer's CD-ROM.
- **Make sure that Adobe Illustrator is using its default preference settings.** If you've already run the program and made any changes, you may need to restore these default preference settings. To do this, locate and delete these files:
 - On Windows 95, Windows 98, and Windows NT 4.0 systems, look for the AIPrefs file in the application's directory and the AdobeFnt.1st file in the c:\Program Files\Common Files\Adobe directory.
 - On Power Macintosh systems, look for Adobe Illustrator 8.0 Prefs and AdobeFnt.1st files in your Preferences folder in your System folder.Adobe Illustrator generates a new preferences file with default settings when you launch the program.
- **Check that sample art files have been copied into the Adobe Illustrator 8.0 folder** (look for a Sample Art folder in the Sample File folder in your Illustrator 8.0 folder). Most of the procedures direct you to work in a blank illustration file. However, a few depend on your having access to complete illustration files. You can use the sample art files we've provided or substitute your own Adobe Illustrator files.
- **Launch the program, and open a new illustration file.**

Quick Reference List: Top Fifteen Features in Adobe Illustrator 8.0


 **Award-winning Adobe user interface**—Helps you learn Adobe’s professional graphics products more quickly, work more efficiently, and move among these tools with ease. Adobe Illustrator 8.0 software offers new Actions, Brushes, Links, Navigator, and Pathfinder palettes. For details, see page 3.

 **Ability to output layers to Adobe Photoshop® files**—Lets you preserve layers when you save Adobe Illustrator files as Photoshop files. For details, see page 3.


 **Actions palette**—Provides a variety of preset Actions for producing 3D buttons, creating a drop shadow, and more. These preset Actions automate common illustration tasks, saving valuable production time. The palette also allows you to record Actions of your own and then apply them to any illustration file. For details, see page 4.

Art brushes—Instantly transforms eye-catching artwork into something that can be drawn along a path over and over again. Adobe Illustrator 8.0 software includes built-in Art brush libraries with clip art, tapered strokes, arrows, and more. For details, see page 12.

Scatter brushes—Lets you transform artwork into something that can be randomly dispersed along a path. You control the size, spacing, relative dispersion, and more. Adobe Illustrator 8.0 includes built-in Scatter brush libraries with leaves, flowers, insects, food, and objects such as balloons, paper clips, and push pins. For details, see page 14.

 **New pencil tool**—Lets you sketch as freely on-screen as you do with pencil on paper. With this tool, you can also reshape a path by simply drawing a new line near the section you want to alter. For details, see page 19.


Links palette—Helps you monitor key status information for links, update layouts by linking to new files, embed files, and check whether linked files are present before handing off to a service bureau. For details, see page 5.

 **Gradient mesh tool**—Instantly blends multiple colors in multiple directions in a single object to create painterly washes of color. You retain complete control over the direction, shape, and combination of colors involved in the blend. This unique tool gives you unprecedented control in shading objects. For details, see page 16.

More intuitive approach to selecting and editing objects—Lets you resize any object using the same easy-to-use bounding box that appears around selected objects in Adobe PageMaker® and Microsoft® Word. For details, see page 20.


Enhanced eyedropper/paint bucket tools—Allow you to sample text attributes and instantly apply them to other text. For details, see page 7.

Smooth and erase tools—Lets you quickly smooth out crooked paths or erase parts of paths. You simply drag the smooth or erase tool over your path to remove unwanted bumps and wrinkles or to erase the path altogether. For details, see page 19.

 **Smart guides**—Appear temporarily to help you move, align, transform, and even create shapes and paths with the utmost exactness. For details, see page 7.

Calligraphic brushes—Allows you to specify a Calligraphic brush stroke with fixed, random, or varied widths. When you draw with the revised Calligraphic brush, you now create paths rather filled shapes for easier editing. For details, see page 15.

Pattern brushes—Offers you an easy way to customize and apply patterns to paths. You can work with built-in Pattern brushes, such as ornate borders, ropes, vines, train tracks, and more. For details, see page 15.

 **Photo Crosshatch filter**—Lets you turn a scanned photograph into textured, or *cross-hatched*, sketches instantly. For details, see page 18.

Art painted on a path with a new Scatter brush

Reviewers: A star next to a feature indicates an Adobe original feature that graphics professionals will find only in Adobe Illustrator and other professional graphics products from Adobe.



Smooth Integration with Adobe Products and Other Software Tools

Adobe Illustrator 8.0 software builds on its tradition of integrating well with Adobe professional graphics programs, extending the number of tools, commands, palettes, and other interface elements it shares with Adobe Photoshop 5.0, Adobe PageMaker 6.5, Adobe ImageReady™ 1.0, and Adobe Premiere® 5.0 software. If you're one of the more than 80 percent of Adobe Illustrator software customers who use other Adobe products, the value of this integration is apparent immediately. You can learn one Adobe product and then get to work in another more quickly. You can also move among these programs more efficiently to perform daily design tasks. Together the Adobe family of professional graphics software provides powerful tools for producing high-quality print, Web, and video projects.

Here is a quick overview of some of the key integration features in Adobe Illustrator 8.0:

Select and work with common tools

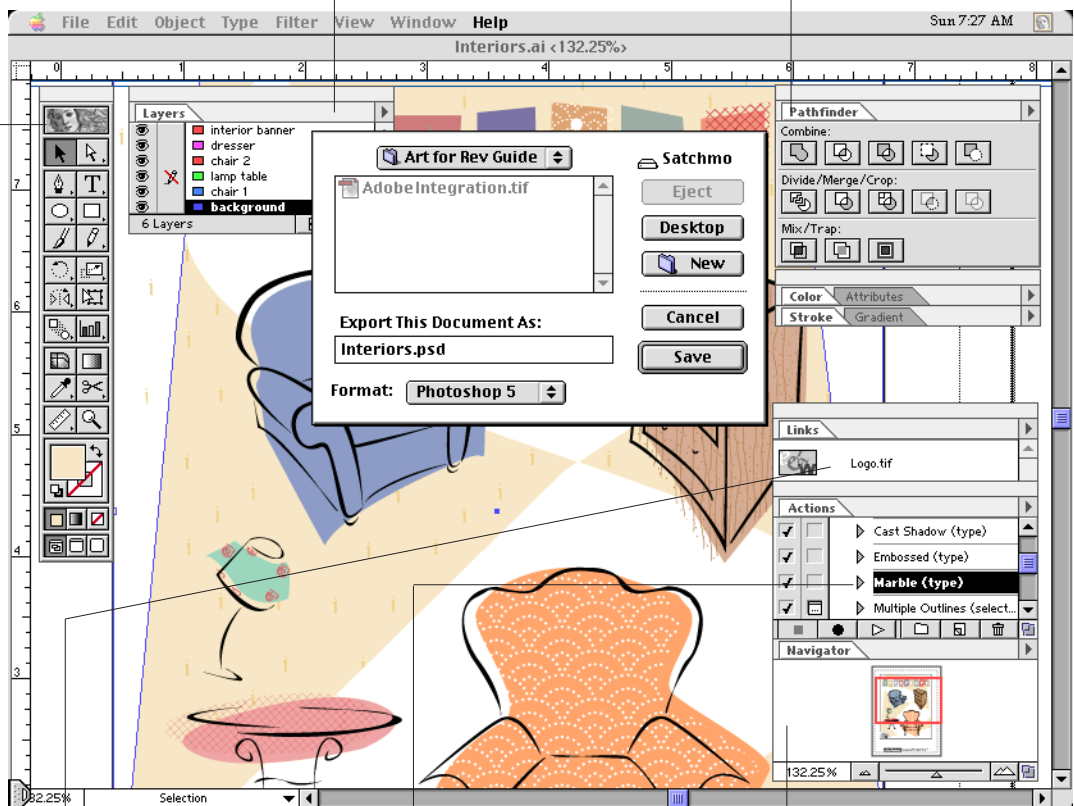
Adobe Illustrator 8.0 shares more tools in common with Adobe Photoshop than ever before, including the pen, pencil, text, ellipse, rectangle, eyedropper, paint bucket, measure, hand, and zoom tools. Adobe Illustrator 8.0 even borrows the free transform tool from Photoshop, so you can rotate, skew, and otherwise transform objects more efficiently. Some variations in behavior exist among these tools only because Illustrator and Photoshop serve different goals. However, once you know the tools in one product, you'll recognize them in the other quickly. You can even use the same keyboard shortcuts to access the tools in both programs.

Output layers to Photoshop files

You can preserve layers when you export your Adobe Illustrator 8.0 files as Photoshop (PSD) files. You can then open these PSD files in Photoshop and apply filters to individual layers. You can also drop your layered PSD files into Adobe ImageReady to produce animated GIF files, or pop them into Adobe After Effects® or Adobe Premiere and animate the layers over time.

Work with Adobe's award-winning palettes

Adobe Illustrator 8.0 puts more functionality right at your fingertips with some exciting new palettes. For example, you'll now find the Pathfinder filters—which let you combine, isolate, and subdivide objects in a single step—in a handy palette.



Manage linked files the way PageMaker does

The new Links palette makes it as easy to manage links in Adobe Illustrator as it is in PageMaker. The Links palette lists all of your linked files. You can then link to new files and instantly update your layout; monitor key status information about your linked files; check that files are linked correctly before handing off to a printer or service provider; and more.

Create Actions as easily as you do in Photoshop

The Actions palette, which was first made popular in Photoshop 4.0, is now debuting in Adobe Illustrator 8.0. This palette can automate many common illustration tasks to support high-production environments or streamline everyday work. You can use the preset actions that come with Adobe Illustrator 8.0 or record your own actions. You can even share actions with other colleagues.

Navigate your illustration files with ease

Adobe Illustrator 8.0 introduces the Navigator palette for quickly zooming in and out of illustrations and finetuning the focus of your view. This palette is particularly useful for working on complex or large-size illustrations. The Navigator palette is also available in Photoshop and Premiere.

Productivity Tools for Meeting Impossible Deadlines with High-quality Results

Adobe Illustrator 8.0 software delivers new productivity tools that help any high-end designer or business user achieve that delicate balance between speed and quality. These tools include an Actions palette for automating routine illustration tasks, a Links palette for monitoring and working with linked images, and a Navigator palette for quickly zooming in and out of complex illustrations. Adobe Illustrator 8.0 also addresses more than 100 feature requests from longtime customers by adding Fill and Stroke controls to the Color palette, reinstating popular left-handed keyboard shortcuts, and more.

Actions Palette

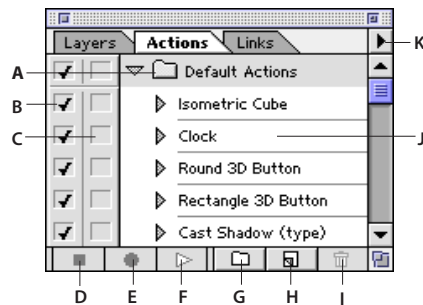
The new Actions palette equips you with powerful tools for creating macros, which are called Actions. Each action is a series of recorded steps that you replay to automate and streamline common illustration tasks. The Actions palette includes a variety of preset Actions that can save you time. With a few clicks of your mouse, you can run preset Actions that instantly produce 3D buttons; create text with a forward-casting shadow; emboss text; apply a wood grain, stucco, metal, or other texture; and more.

In addition, the Actions palette makes it a snap to record Actions of your own. You simply create and name a new action, assign it a keyboard shortcut (if you want), click record, and walk through a sequence of steps. When you're done, you stop recording. You don't need to master a scripting language to produce these Actions. Instead, Illustrator captures your steps for you and lists the final action in the Actions palette for your ongoing use. You can then:

- Organize related Actions into sets to reduce clutter in the palette list and make the Actions easier to find.
- Modify Actions or set new playback options for them at any time.
- Delete Actions or simply clear them from the palette.
- Save Actions to files that you can share with colleagues to automate tasks across a workgroup.

Sample more preset Actions!

Adobe Systems expects to ship about 100 Actions with Adobe Illustrator 8.0. Get a taste of what will ship by choosing Load Actions from the Actions palette popup menu, locating more sets in \PR_DOCS\RV_GUIDE on your reviewer's CD, and opening one or more of these sets.



- A Indicates a group—or set—of related Actions.
- B Toggles all the commands in an Action on or off, or toggles a single command in an Action on or off.
- C Toggles all modal dialog boxes in an Action on or off, or toggles a single modal dialog box in an Action on or off.
- D Stops an Action from playing or recording.
- E Starts recording an Action.
- F Plays the currently selected Action.
- G Creates a new set in which to organize related Actions.
- H Creates a new Action with a name, keyboard shortcut, and other attributes that you can assign.
- I Deletes the selected Action.
- J Names an Action that you can play.
- K Opens a popup menu that lists Actions palette commands.

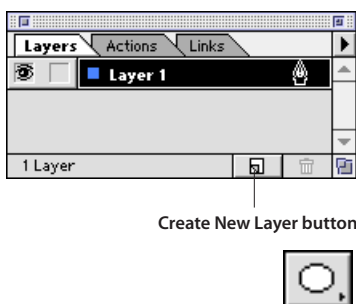
Try using a preset action:

1. In a new illustration file, create a 24-point text block using your name. (Select the type tool, drag a text block, then type your name. Choose Type > Character to open the Character palette. Highlight your text and enter 24 pt in the Font Size text box.)
2. Choose Window > Show Actions or click the Actions tab to make the Actions palette visible. If necessary, click the triangle to the left of Default Actions in the palette list to display the default set.
3. With the text block selected, click the Embossed (Type) Action. Then choose Play from the Actions palette popup menu, or click the Play Current Selection button at the bottom of the palette.

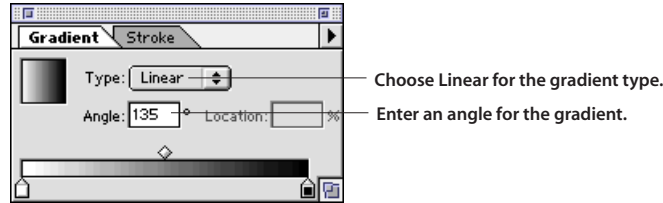
Now let's try recording an action. You'll create an action similar to one provided in the list of preset Actions—producing a 3D button. You can then play both Actions to compare the results.

Try recording an action:

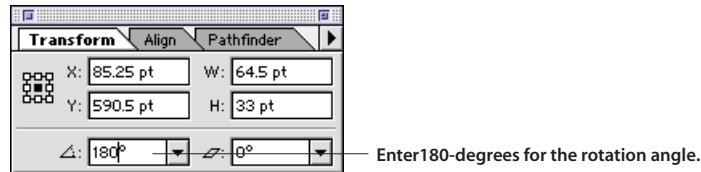
1. In a new illustration file, choose Window > Show Actions or click the Actions tab to make the Actions palette visible. Then choose New Action from the Actions palette popup menu, or click the Create New Action button at the bottom of the palette.
2. Enter a name. In this case, you're making a 3D Button, so enter that as the name. Then click Record.
3. Click the Layers palette tab to make it visible, and then click the Create New Layer button at the bottom of the palette.
4. Choose the ellipse tool from the toolbox, and click to open the Ellipse dialog box.



5. Enter 50 pt for Width and Height, and then click OK.
6. Click the Gradient palette tab to make the Gradient palette visible (or choose Window > Show Gradient if necessary).
7. Choose Show Options from the Gradient palette popup menu. Then choose Linear for Type, enter 135 for Angle, and press Enter or Return.



8. If necessary, click the Color palette tab or choose Window > Show Colors to display the Color palette. Then click the Stroke control and apply a gray color to the stroke. In the Stroke palette, enter .5 pt for the stroke weight, and press Enter or Return.
9. Click the Transform palette tab to make the palette visible (or choose Window > Show Transform).
10. Enter 180 for Angle and press Enter or Return.



11. Choose Edit > Copy, and then choose Edit > Paste in Front to place a duplicate of the gradient-filled circle on top of it.
12. In the Transform palette, enter 180 for Angle and press Enter or Return.
13. Double-click the scale tool in the toolbox to open the Scale dialog box. Then select Uniform, enter 70 for Scale, and click OK.
14. Press Ctrl+Shift+A/Command+Shift+A to deselect all. Then click the Stop Playing/Recording button at the bottom of the Actions palette, or choose Stop Recording from the Actions palette popup menu.



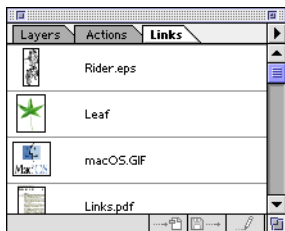
Final 3D button

Try playing back your action:

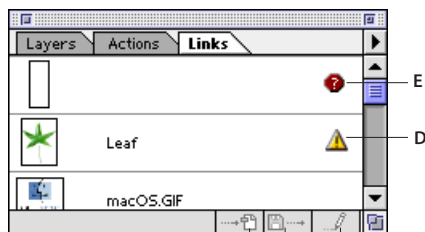
1. Delete the button you made when you recorded your 3D Button action.
2. Click 3D Button in the Actions palette list, and then click the Play Current Selection button at the bottom of the palette or choose Play from the palette's popup menu.

Links Palette

With Adobe Illustrator, you can choose whether to link to or embed imported files. Linking to files provides a distinct advantage: It keeps your illustration file sizes smaller. However, it also introduces a challenge—keeping track of all of your linked files, especially when handing off to a service provider or printer for processing. That's why Adobe Illustrator 8.0 is delivering the new Links palette. This palette adapts useful features from the Links Manager in Adobe PageMaker, making it simple for you to monitor key status information for links (such as path and file type), update layouts by linking to new files, embed files, and check whether linked files are present before handing off to a service bureau.



The Links palette with all of the linked images in place and up to date



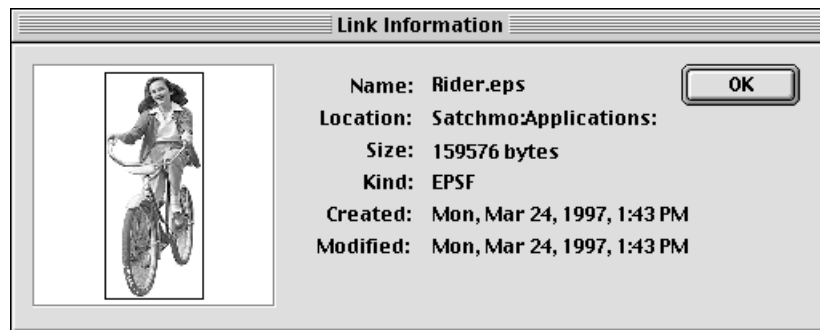
The Links palette

- A Click to go to a selected linked image in your illustration.
- B Click to update a selected linked image that's been modified.
- C Click to launch the program that created the selected linked image and make edits to it.
- D Note that the linked file has been edited but not updated in your illustration file.
- E Note that the linked file is missing.

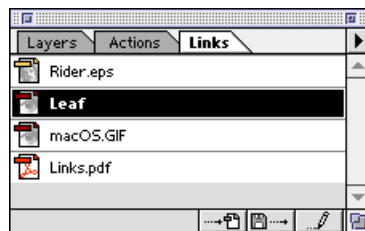
Adobe Illustrator 8.0 is also intelligent about relinking files to new images. For example, you can import an image, resize and rotate it, and then replace it with a new image. Adobe Illustrator will automatically resize and rotate the relinked file using the same settings you applied to the first image.

Try it:

1. In a new illustration file, choose Window > Show Links, or click the Links tab to display the Links palette.
2. Choose File > Place a few times to import three or four files. Import your choice of TIFF, EPS, GIF, or JPEG files that you have available on your hard disk.
For each file, make sure that the Link option is selected in the Place dialog box. Otherwise, Adobe Illustrator will embed the file information.
3. Check the file information for one of your imported graphics by selecting the linked file in the palette list and choosing Information from the Links palette popup menu (you can also double-click the file name in the palette). Click OK to close this dialog box.



4. Change the way your linked files display in the Links palette: Choose Palette Options from the Links palette popup menu, click None, and then click OK.



5. Select a linked file in the Links palette list, and click the Go to Link button at the bottom of the palette. Illustrator immediately selects the linked image and centers it in your view.
6. Select a linked file in the Links palette list, and click the Edit Original button at the bottom of the palette to start the original application and edit the graphic. Make a simple change to the graphic, save the change, and return to Adobe Illustrator. Note that the graphic updates immediately.
7. Close Adobe Illustrator. Then make a change to another linked graphic, and restart Adobe Illustrator. When Illustrator prompts you to update the linked image, click Ignore.
8. Note that the linked graphic now displays an exclamation point in the Links palette, indicating that the graphic is out of date. Select the out-of-date link in the palette list, and click the Update Link button at the bottom of the palette or choose Update Link from the Links palette popup menu.
9. Select another of your linked graphics on the illustration page. Then press the Shift key and resize it smaller. Perform one other transformation—for example, use the rotate tool to rotate it.
10. Click the link for the transformed graphic in the Links palette. Then choose Replace from the Links palette popup menu. Select another graphic to link to, and click OK. Note that the new graphic replaces the old graphic on the illustration page and in the Links palette—and that Adobe Illustrator applies the transformations you made to the new graphic.
11. Close your document without saving it.

Smart Guides

The new smart guides in Adobe Illustrator 8.0 help you move, align, transform, and create shapes and paths with precision. You can specify whether smart guides appear, and you can set preferences for their behavior.

Try it:

1. In a new illustration file, choose View > Smart Guides. A checkmark next to the Smart Guides command indicates that Smart Guides is turned on.
2. Choose a tool, such as the rectangle tool. Draw a few simple rectangles at random spots in the middle of the illustration page.
3. Align one rectangle precisely with another as follows: Choose the selection tool in the toolbox. Move a rectangle by clicking on the edge or point you want to align with another object, and then dragging. While pressing the mouse button, drag the selected rectangle over the edge or anchor points you want Smart Guides to reference in positioning your object.
4. Close the illustration file without saving it.

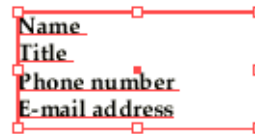


Enhanced Eyedropper and Paint Bucket Tools

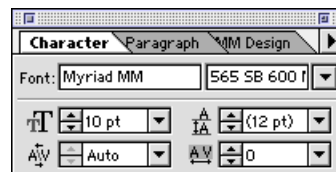
With Adobe Illustrator 8.0, you can specify text attributes for one text block and then instantly apply those attributes to other text blocks using only the eyedropper tool or a combination of the eyedropper and paint bucket tools. By default, the eyedropper and paint bucket tools pick up and apply fill, stroke, character, and paragraph attributes. However, you can modify this list, so that the tools only pick up and apply the attributes you want.

Try it:

1. In a new illustration file, select the type tool. Then click an insertion point on the illustration page and drag to set the text box. Enter any text you want. For example, enter your name, title, business, and business address.
2. Create another text block, and enter any text you want.



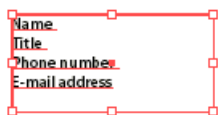
3. Choose Type > Character to open the Character, Paragraph, and MM Design palettes.
4. Click in one of the text blocks you've created, press Ctrl+A or Command+A to select all of the text, and then apply any character and paragraph styles you want. For example, change the font and font size in the Character palette, and then change the alignment in the Paragraph palette.



5. Use one of the following techniques to apply the text attributes of one text block to the other text block:
 - Fastest method.** Select the text block that you want to change. Then select the eyedropper tool and click the text block with the attributes you're copying. The selected text block adopts those attributes.
 - Efficient method.** Select the eyedropper tool, and click the text block with the attributes you're copying. Then press Alt or Option to switch temporarily to the paint bucket tool, and click the other text block to apply those attributes.
 - Novice method.** Use the eyedropper tool to sample the text attributes from one text block. Then select the paint bucket tool and click on the other text block to immediately apply the text attributes.

Tip

Here are two quick ways to make the eyedropper and paint bucket tools readily available. (a) Select either tool in the toolbox and then toggle to the other tool by pressing Alt or Option. (b) Click either tool in the toolbox to make the flyout appear. Then click the arrow on the flyout to make an independent toolbar.



Restyled text

6. Try applying other text attributes to parts of one text block and then applying them to part of the other text block (simply select part of the text block to sample attributes from or apply them to only that part).
Note: You can expand or contract the range of text attributes that the eyedropper samples. Simply double-click the eyedropper or paint bucket tool and check or uncheck attributes in the lists.
7. When you're finished, close the illustration file without saving.

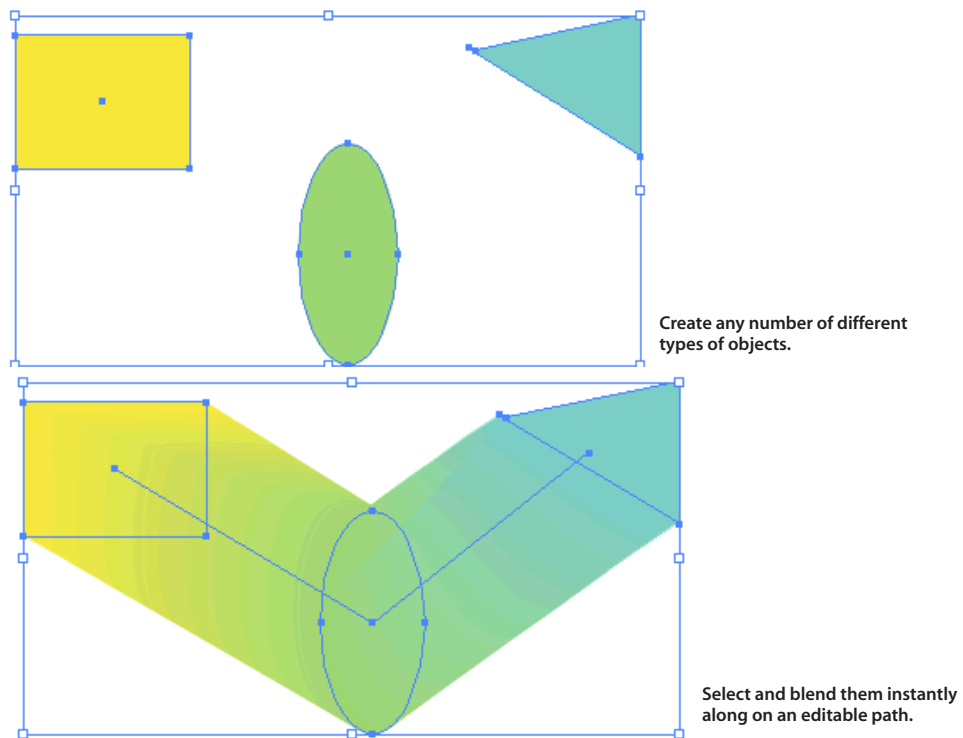
Live Blends

Adobe Illustrator 8.0 lets you create and edit blended objects and colors with greater flexibility. You can blend an unlimited number of objects, and even blend different types of objects, including paths with different numbers of points and paths containing gradient fills. Shapes now blend along a path automatically for easy editing. You can then:

- add, remove, or edit anchor points on the blend path to refine its shape.
- move, delete, resize, or transform the original objects that formed the blend.
- change the color of any object in the blend.

Try it:

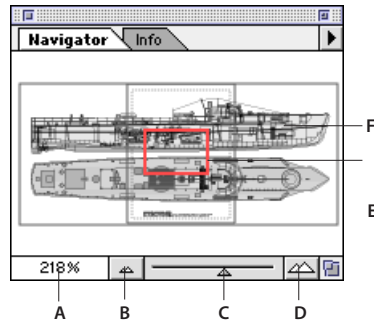
1. In a new illustration file, use the drawing tools to create several objects. For example, draw a rectangle, an ellipse, and a freeform path. Then arrange the objects to suit your blend.
2. Select each path in turn and apply a different fill: Simply click the Fill control on the Color palette, and then sample the color you want from the color ramp.
3. Choose Object > Blends > Blend Options. Then select Specified Steps for Spacing, enter a value such as 25, and click OK.
4. Select the blend tool, and click each of the objects in turn to blend them together. Note that Adobe Illustrator automatically creates the blend along an editable path.



5. If you want, adjust the shape of the path. For example, select the new pencil tool, then drag near the blend path to quickly alter its shape. (The pencil tool is as intuitive to use the pencil on your desk—and it's great for editing paths created with other drawing tools or with the blend tool. For more details about the pencil tool, see page 19.)
6. Close the illustration file without saving it.

Navigator Palette

When you're working on a complex illustration, it really pays to have an easy way to navigate. For this reason, Adobe Illustrator 8.0 has adopted the Navigator palette (a familiar tool for Photoshop 4.0/5.0 and Premiere 5.0 users). With this palette, you can instantly zoom in on any area of an illustration. While you're zoomed in, you can adjust the focus of your view with precision. You can then quickly zoom out again to see your edits in a larger context. The Navigator palette lets you specify a precise zoom of up to 6400 percent with decimal point accuracy to hundredths of a percent.



- A Enter any zoom amount up to 6400 percent and then press Enter or Return to zoom in or out of the illustration. Adobe Illustrator centers on the area in the red view box.
- B Click to zoom out of the illustration.
- C Drag the zoom slider to magnify or reduce your view of the illustration.
- D Click to zoom in on the illustration.
- E Drag the red view box to adjust the focus of your view. Use the view box to make fine adjustments when you're zoomed in closely on a complex illustration.
- F Click the thumbnail to move the view to a new area.

Try it:

1. Locate and open Boat.ai (look in the Sample Art folder in the Sample Files folder in your Adobe Illustrator 8.0 folder); or open an Adobe Illustrator file of your own.
2. If necessary, choose Window > Show Navigator or click the Navigator tab to display the palette.
3. To magnify or reduce your view, do one of the following:
 - Click the zoom in or zoom out buttons at the bottom of the palette.
 - Drag the zoom slider at the bottom of the palette.
 - Enter a specific percentage amount in the lower-left corner of the palette, and press Enter or Return. Specify any number up to 6400 percent with accuracy to hundredths of a percent.
 - Press the Ctrl or Command keys and drag over a specific area in the thumbnail to magnify that area.
4. Adjust the center of your focus by doing one of the following:
 - Drag the red view box in the Navigator palette to a new location.
 - Click in the thumbnail of the image.
5. Choose View > Actual Size or double-click the zoom tool to return to 100% view. Then close the illustration file without saving it.

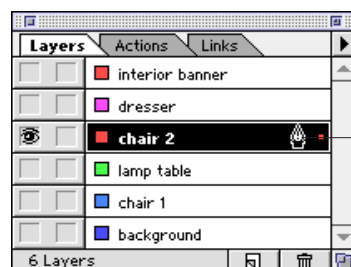


Free Transform Tool

The new free transform tool consolidates scaling, skewing, rotating, and other functionality in one handy tool. With this tool, you can save time performing multiple transformations, while exercising fine control over the results. You can even use this tool to simulate a 3D perspective.

Try it:

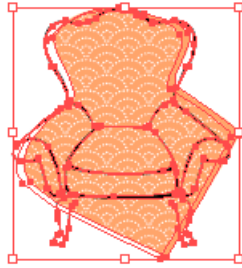
1. Locate and open Interiors.ai (look in the Sample Art folder in the Sample Files folder in your Adobe Illustrator 8.0 folder); or open an Adobe Illustrator file of your own.
2. Click the Chair 2 layer to make it the active layer. Then hide all of the other layers by pressing Alt or Option as you click the eye icon to the left of the Chair 2 name.



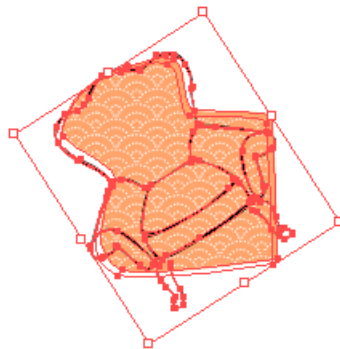
Make this the active, visible layer.



3. Click the selection tool to select the chair.



4. Select the free transform tool from the toolbox.
5. Position the tool over the lower-right handle, press the Shift key, and drag out to make the chair larger.
6. Move the free transform tool away from the lower-right corner a bit. The cursor changes to a curved arrow. Click to set the center of the rotation and then drag the illustration to rotate it.



7. Move the free transform tool over a side handle, press down the mouse key, and then press Ctrl or Command drag to skew the object.
8. Continue experimenting with the free transform tool until you're ready to move on. Then close the illustration file without saving it.

Tip

You can simulate a 3D perspective with the free transform tool. Just select an object. Then, with the free transform tool selected, press and hold the mouse button over a corner selection handle. Hold down Ctrl+Shift+Alt/Command+Shift+Option and drag downward.

Improvements to the Overall Interface

Adobe Illustrator 8.0 delivers more than 100 user interface enhancements that directly respond to customer requests. For example, the program now:

- Automatically adds color swatches to the Swatches palette when a file is imported.
- Merges identical spot colors automatically when importing images.
- Provides popular left-handed keyboard shortcuts for hiding, showing, locking, unlocking, and moving a copy of an object.
- Includes Fill and Stroke controls on the Color palette.
- Automates the creation of nonprinting, locked template layers, and provides a keyboard shortcut to hide and show them.
- Italicizes nonprinting layer names, so users can identify them as such at a glance.
- Adds a new Small Palette Rows command to the Layers palette, so customers who work with large numbers of layers can maximize the number visible at any one time.

This section offers you a taste of a few of the product refinements listed above and some others that will appeal to many Adobe Illustrator software customers.

Try these easy left-handed shortcuts for locking and unlocking objects:

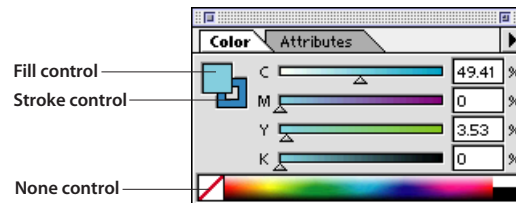
- Ctrl+2/Command+2 locks selected objects.
- Ctrl+Alt+2/Command+Option+2 unlocks selected objects.
- Ctrl+Alt+Shift+2/Command+Option+Shift+2 locks all unselected objects.

Try these easy left-handed shortcuts for hiding and showing all selected objects:

- Ctrl + 3/Command + 3 hides selected objects.
- Ctrl+Alt+3/Command+Option+3 displays all hidden objects.
- Ctrl+Alt+Shift+3/Command+Option+Shift+3 hides all unselected objects.

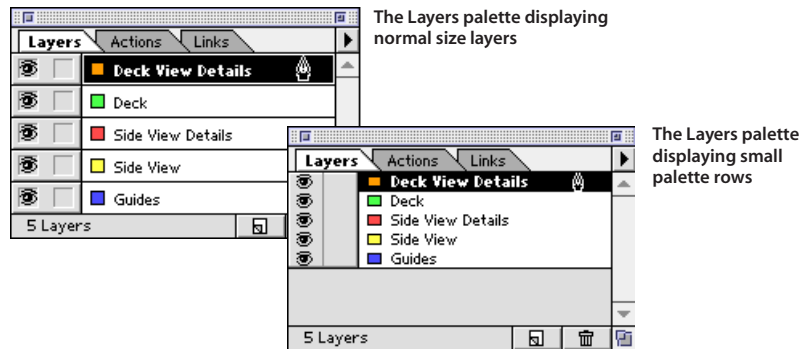
Try the Fill and Stroke controls on the Color palette:

- Create a simple object, such as an ellipse or rectangle. If necessary, choose Window > Show Color or click the Color tab to make the palette visible. Then click the Fill control and sample a color from the color ramp to apply it to the object. Click the Stroke control to apply a stroke color.



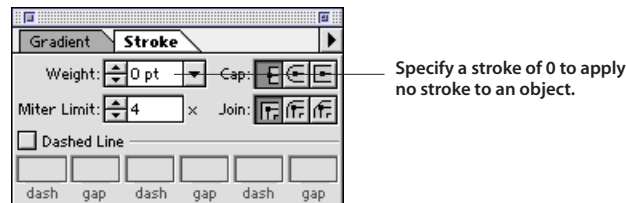
Try the command for thin layers:

- Open any illustration file that has multiple layers (for example, any of the illustration files in the Sample Art folder in the Sample Files folder in the Adobe Illustrator 8.0 folder). Then choose Small Palette Rows from the Layers palette popup menu.



Try applying no stroke to an object from the Stroke palette:

- Create an object with a stroke and fill. If necessary, choose Window > Show Stroke or click the Stroke tab to make the palette visible. Then enter 0 for stroke weight and press Return or Enter to apply no stroke instantly to the object.



Try drawing ellipses and rectangles from the center out:



- Select the rectangle or ellipse tool. Then press Alt or Option and drag to draw a rectangle or ellipse from the center out.

Try moving a rectangle or ellipse as you draw it:

- Select the rectangle or ellipse tool. Drag to draw either shape. As you drag, press the spacebar and move the object. Then release the spacebar and continue drawing the shape in its new location.

Try zooming into a precise point with the zoom tool:



- Open an illustration file. Select the zoom tool and click on the illustration. Adobe Illustrator zooms in on the illustration with the precise point you clicked centered in the window.

Tip

To quickly select a preset zoom level, right-mouse click (Windows) or press Control and click (Mac OS) on the zoom percentage that appears in the lower-left corner. A menu of preset zoom options pops up for you to make your selection.

New Registration Color

Adobe Illustrator now provides a registration color that automatically prints on all separations. With this ability, users can print crop marks and other printer's marks on every printing plate.



Adobe Illustrator includes a registration color that you can print on every separation. You can redefine your registration color from the default black to any color you want for on-screen display.

Bold New Creativity Tools that Help Users Express Their Ideas

Adobe Illustrator 8.0 software packs in a number of exciting new features, but its innovative creativity tools really stand out. The new Art and Scatter brushes let you paint graphical objects along a path—the Art brush arranges a single graphic evenly along the path, while the Scatter brush randomly disperses artwork along a path. With these new tools, high-end designers and business users alike can instantly create professional design results.

And that's not all. The revised Calligraphic brushes draw editable calligraphic paths at any width, while the Pattern brushes instantly paint patterns along a path. Both types of brush significantly improve functionality found in previous versions of Illustrator. The new gradient mesh tool lets you instantly blend multiple colors in any direction to create unique color shading and other color effects. In addition, the Photo Crosshatch filter debuts in Adobe Illustrator 8.0, letting you quickly turn scanned photographs into textured sketches.

With these creativity tools, you can present visual ideas more easily and effectively on screen and in print. Plus, the built-in libraries of predefined brush art make it a snap for users of all levels to produce professional-quality graphics. (Hundreds of sample brushes will be available in the released version of Adobe Illustrator 8.0 through the Brush Libraries command on the Window menu and in the Goodies folder on the product CD.)

Art Brushes

With Adobe Illustrator 8.0, you can create dazzling or practical graphics and then instantly transform them into something that can be drawn along a path over and over again. That's the powerful new functionality provided by the Art brushes.

For example, imagine drawing a flower, such as a tulip, and then deciding to create simple variations of it to populate a garden or fill a vase in an illustration. You could turn that tulip into an Art brush in the Brushes palette and set options for how the object is drawn along a path. (When you create a new Art brush, you can specify orientation, scale, color, and other attributes for the artwork.) You could then use your new Art brush to draw multiple copies of the tulip along different paths, each bending and dipping in slightly different ways to create a natural-looking bouquet. The paths you create with the Art brushes remain fully editable, so you have precise control over their appearance.

In addition, you can import Art brushes from one illustration into another for ongoing use. You can also work with the built-in Art brush libraries provided in Adobe Illustrator 8.0.



Samples of artwork you can draw on any path with the new Art brushes

Try using art from the built-in Art brush libraries:

1. In a new illustration file, choose Window > Show Brushes or click the Brushes tab to make the palette visible.
2. Select the paintbrush tool. Then click on an Art brush, such as the word Art, in the Brushes palette.
3. Draw a path. The art appears on it instantly.
4. If you want, use the pencil tool to edit the shape of the path and see how flexibly the art changes with it.
5. Draw a path with a different tool, such as the pen or ellipse tool. Then click another piece of art in the Brushes palette to apply it to that path. Continue experimenting with drawing art on a path until you feel comfortable with the feature.



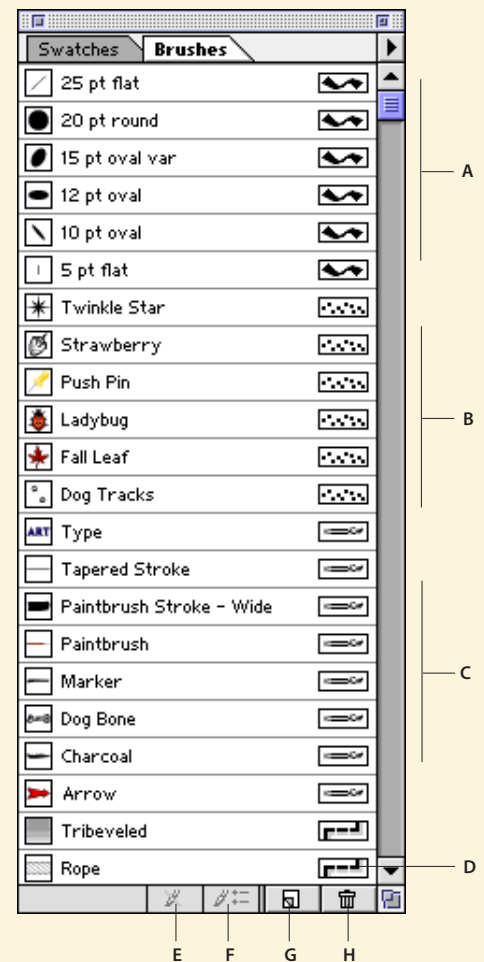
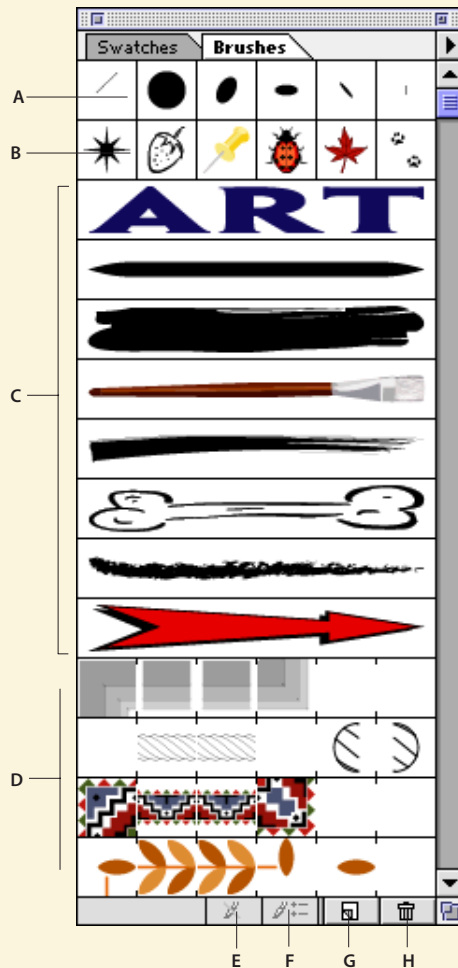
Art painted on a freeform path



Art painted on an ellipse

Two Views of the Brushes Palette

The Brushes palette contains a selection of Art, Scatter, Calligraphic, and Pattern brushes. You can add more brushes to it by choosing Window > Brush Libraries > [Library Name], clicking a brush in the palette that appears, and choosing Add to Brushes from the popup menu. Specify how brushes appear in the Brushes palette by checking or unchecking View By Name on the popup menu.



A Calligraphic Brushes B Scatter Brushes C Art Brushes D Pattern Brushes
 E Click to remove a brush stroke F Click to set options for the selected art on a path
 G Click to create a new brush H Click to delete a brush

Sample the brush selection!

Adobe Systems expects to ship about 400 brushes with Adobe Illustrator 8.0. These brushes will be organized in thematic libraries, such as animals, arrows, and objects. Get a taste of what will ship by choosing **Window > Brush Libraries > [Library Name]**. A brush library palette appears with a sampling of theme-related brushes—for example, flowers. To add a brush to the Brushes palette, click it and choose **Add to Brushes** from the popup menu, or click it and start drawing with a drawing tool. Adobe Illustrator then adds it to the Brushes palette automatically.



Try creating your own Art brush:

1. If you've been experimenting with the built-in art brushes, press **Ctrl+A** or **Command+A** to select all of them, and then press **Delete**.
2. Create a drawing of your own. For example, draw an arrow or a leaf for a flower. Or open an illustration file that contains a piece of art you want to turn into an Art brush.
3. With that art selected, choose **New Brush** from the Brushes palette popup menu, or click the **New Brush** button at the bottom of the palette.
4. Select the type of brush you want to make. In this instance, you're making an Art brush. Then click **OK**.
5. Specify the following options for your brush, and then click **OK**:
 - Enter a name for the brush.
 - For **Width**, enter a percentage by which to scale the art. Select **Keep Proportional** to preserve the aspect ratio.
 - Choose an orientation for the artwork. You can flip it across or along a path, or display the artwork horizontally or vertically.
 - Choose a colorization method based on the color currently selected in the **Stroke** control on the **Color** palette.
6. Click the Art brush you just created, and then use the paintbrush tool to paint it on a path.
7. Close your illustration file without saving it.

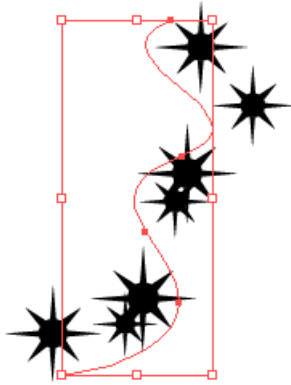
Scatter Brushes

The new Scatter brush introduces another approach to arranging Adobe Illustrator graphics along a path. Just as with the Art brushes, you can create any object you want and transform it into a Scatter brush. However, the Scatter brush randomly distributes many copies of the object along a path, rather than a single copy. You control the size, spacing, relative dispersion, and other settings that give the artwork along these paths a freeform look and feel.

This type of brush also takes full advantage of pressure-sensitive tablets, allowing you to achieve different randomization results depending on how much pressure you apply to the tablet. Adobe Illustrator 8.0 delivers a number of Scatter brush libraries for you to use, including leaves, flowers, stars, insects, food, balloons, paper clips, push pins, and more.

Try it:

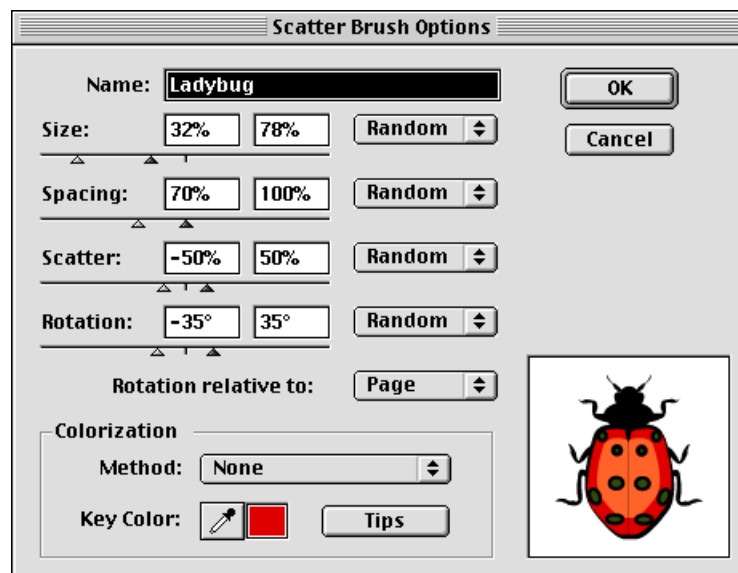
1. In a new illustration file, double-click the ladybug Scatter brush to view its options.
2. Choose **Random** from the first popup menu, and enter **32%** and **78%** for **Size**. Then click **OK**.

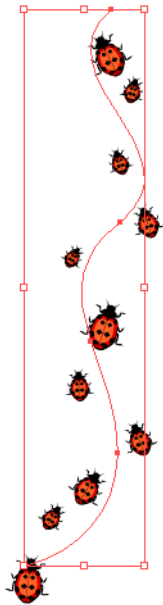


Sample of Scatter brush art painted along a path

Edit brush paths with the new pencil tool

For a quick and easy way to edit the paths you create with your brushes, try the new pencil tool. You simply select the pencil tool and start drawing near the original path to reshape it. For details, see page 19.





Ladybugs painted on a path

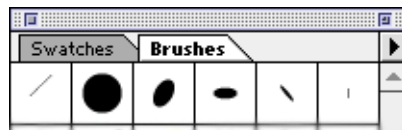
3. Select the paintbrush tool and draw a path. The lady bugs appear dispersed in random sizes at random intervals along the path.
4. If you want, double-click the ladybug Scatter brush and experiment with more options. Or try a different Scatter brush, such as leaves or stars.
5. When you're finished, close the illustration file without saving it.

Improved Calligraphic Brushes

Adobe Illustrator 8.0 features a new approach to the Calligraphic brush. You can work with a built-in selection of Calligraphic brush types, specifying whether each brush produces fixed, random, or varied widths. You can also vary the widths yourself using a pressure-sensitive palette. You can even define new Calligraphic brushes based on the selection of brushes that comes with Adobe Illustrator. The real strength of this implementation, however, is that Calligraphic brushes now create paths rather than filled shapes, making it easier to resize, adjust, move, and work with them.

Try it:

1. In a new illustration file, choose Window > Show Brushes if necessary, or click the Brushes tab to make the palette visible.
2. Click on any of the Calligraphic brushes in the Brushes palette.



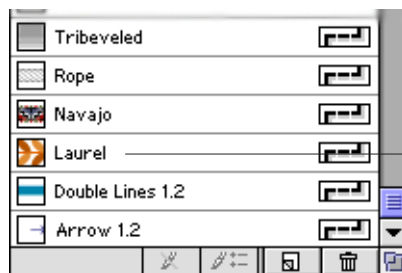
3. Select the paintbrush tool and start drawing. For example, write your name in a calligraphic script.
Note: The key thing to remember is that the Calligraphic brush now draws an editable path, rather than a closed path. You can easily adjust the shape of this path at any time with the pencil or another tool.
4. When you're done, close the illustration file without saving it.

Pattern Brushes

This new Pattern brush makes it easy to customize and apply patterns to paths in Adobe Illustrator 8.0. You can design and apply pattern tiles to the sides, corners, and endcaps of paths and control how these tiles fit the path (whether they're stretched to fit it or not). Illustrator 8.0 offers a variety of sample Pattern brushes, including ornate borders, ropes, vines, train tracks, and more.

Try it:

1. In a new illustration file, choose Window > Show Brushes if necessary, or click the Brushes tab to make the palette visible.
2. Click on the Laurel Pattern brush in the Brushes palette.

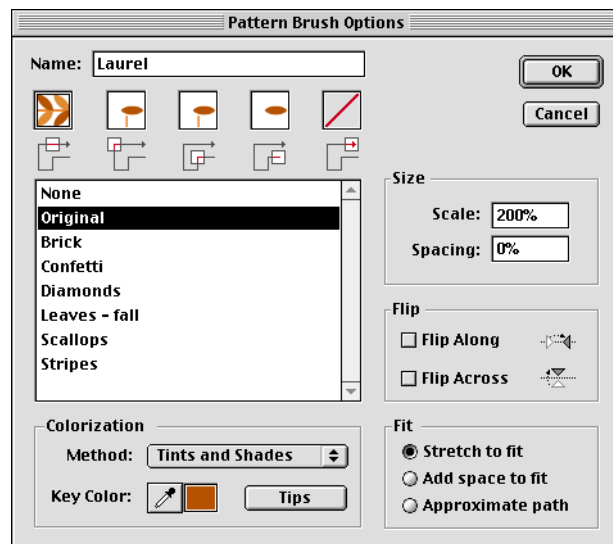


Select the laurel Pattern brush and draw a simple, curved path.

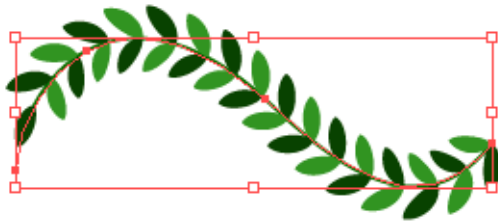


3. Select the paintbrush tool and draw a simple curving path.
Now let's change the color and scale of the laurel pattern.
4. Choose Window > Show Color if necessary, or click the Color tab to make the palette visible.
5. Click the Stroke control, and then sample a green color to set the stroke to green.

6. Double-click the Laurel brush in the Brushes palette to open the Pattern Brush Options dialog box.
7. Enter 200% for Scale, and choose Tints and Shades for Colorization Method.



8. Click OK, and then click Apply to Strokes.



9. If you want, use the intuitive, new pencil tool to quickly edit the shape of the path. Then close the illustration file without saving it when you're done.

Gradient Mesh Tool

Adobe Illustrator 8.0 software is introducing a completely novel feature: the gradient mesh tool. This tool instantly blends multiple colors in multiple directions in a single object to create complex color shadings. You retain control over the direction, shape, and combination of colors involved in the blend. The effect is difficult to simulate in any currently available illustration program and more closely resembles the painterly effects you can create in traditional watercolor and oil mediums.

The gradient mesh tool works this way: You create an object with a fill. You then select the gradient mesh tool and click in different parts of the object to overlay a mesh. Each point you click becomes an anchor point from which a color originates and blends with the colors in a 360-degree arc around it. You control the colors assigned to each anchor point, determining whether they're different tints of a single color or separate colors.

You can make the mesh as simple or complex as you need to achieve the effect you want. You can also adjust the shape of each blend by manipulating the handles associated with each anchor point; and you can add, delete, and transform anchor points at will. Your artwork updates immediately to give you instant visual feedback.

This innovative feature offers a range of benefits, including:

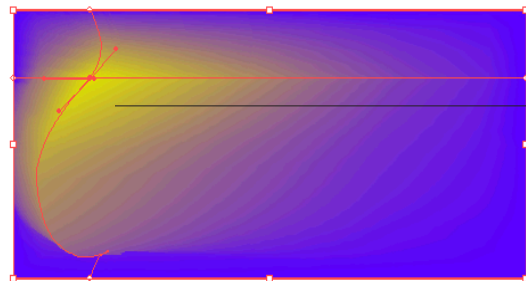
- **A new style of vector artwork.** The gradient mesh tool bridges the worlds of vector and paint programs, letting you create complex shading, lighting, and tonal transitions directly in your vector-based illustration program.

- **Small file sizes.** You can create sophisticated artwork with this tool while still maintaining small file sizes because you're working with vectors, not pixels. These small file sizes make these files easier to transport, store, and share.
- **Resolution independence.** You can resize the color blends you create with the gradient mesh tool to be as small as a button or as large as a billboard with complete freedom. You don't have to contend with the pixelization that would occur if you resized a similar effect in an image-editing program.
- **Ease of use.** You can create smoothly blended colors in seconds—a process that can be simulated in other illustration software only by laboriously creating multiple blended objects and overlaying them.
- **Outstanding printed results.** This new feature is designed to take advantage of the smooth shading support built into PostScript 3™ software devices, printing stunning results with relatively fast print times. It also produces great results on PostScript® Level 2 or Level 1 devices.

Try it:

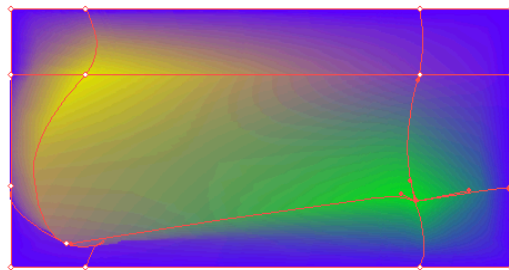


1. In a new illustration file, draw a simple rectangle.
2. Apply a rich purple fill and no stroke to the rectangle. (In the Color palette, click the Fill control and sample a purple. Play with the values to get a vibrant hue. Then click the Stroke control and click the None ramp at the end of the color ramp.)
3. Deselect the rectangle. Then change the fill color in the Color palette to a yellow.
4. Select the gradient mesh tool. Position the tool in the upper-left quadrant of the rectangle and click to lay down the first anchor point in the mesh. A blend instantly radiates out from the point where you clicked. This blend is comprised of the rich purple and the yellow.



Adjust the shape of the blend by choosing the direct-selection tool and moving the handles for the selected anchor point.

5. Click to position another anchor point in the mesh in the lower middle range of the rectangle. Then change the fill color in this blend to a green.



6. Experiment with laying down anchor points in the mesh and blending different colors. You can also adjust the shape of the blended colors by zooming in on an anchor point, selecting it with the direct-selection tool, and dragging the associated handles.
7. When you are finished experimenting, close the illustration file without saving it.

Tip

You can create interesting blend effects by using the rotate or scale tool to manipulate a selected anchor point. Just select the anchor point with the direct-selection tool. Then switch to the rotate tool and twist the color blend, or switch to the scale tool and resize the area where the blend appears.

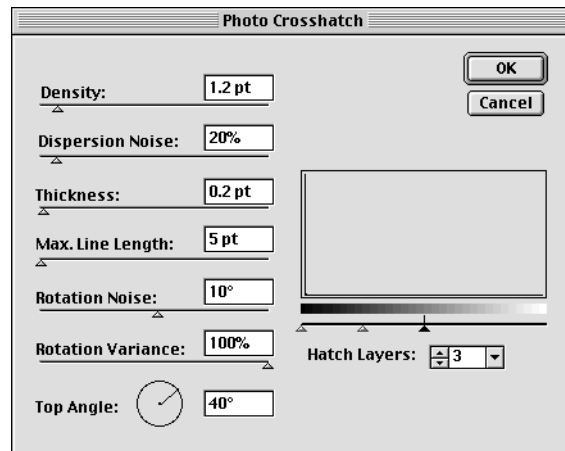
If you want to try using the gradient mesh tool in an actual drawing, open Color.ai (in the Sample Art folder in the Sample Files folder in your Adobe Illustrator 8.0 folder). Then choose the gradient mesh tool and click to lay down the mesh in the green background shape. Make subtle shifts in fill color for each anchor point.

Photo Crosshatch Filter

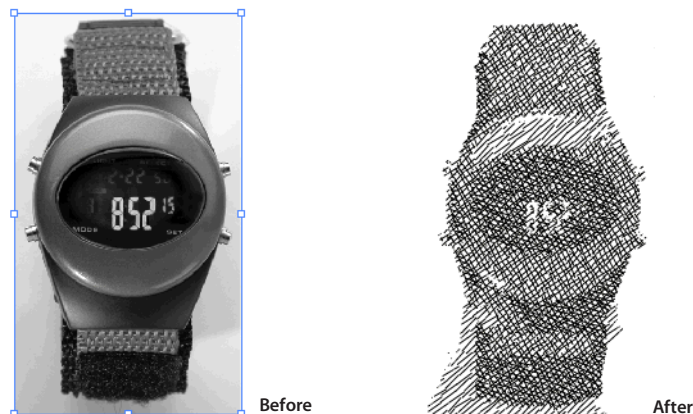
The Photo Crosshatch filter transforms scanned photographs into textured—or *crosshatched*—sketches in seconds. You simply select an imported photograph, choose the Photo Crosshatch filter, specify options for how to apply the hatch layers, and instantly produce the sketched result. You can determine the density, dispersion, thickness, maximum line length, and rotation of the hatch layers. These hatch layers create shaded sketches based on the light and dark gradations within the photograph.

Try it:

1. In a new illustration file, choose File > Place. Then locate and select Watch.ai in \PR_DOCS\RV_GUIDE on your reviewer's CD.
2. Select the watch with the selection tool. Then choose Filter > Pen and Ink > Photo Crosshatch.
3. Specify the following options:
 - For Density, accept the default value of 1.2. This value sets the number of hatch elements applied to your selection.
 - For Dispersion Noise, enter 20 percent. This value controls the spacing between hatch elements.
 - For Thickness, accept the default value of 0.2. This value sets the stroke weight for the hatch.
 - For Maximum Line Length, enter 5 pt. This value sets the maximum line length for the hatch.
 - For Rotation Noise, enter 10 degrees. This value sets the amount of random rotation in the hatch.
 - For Rotation Variance, accept the default value of 100 percent. This value sets the amount that each hatch layer is rotated in relation to the previous layer.
 - For Top Angle, accept the default value of 40 degrees. This value sets the angle of the top hatch layer.
 - For Hatch Layers, enter 3. This value sets the number of hatch layers that will make up the final cross-hatched sketch.



4. Click OK. Then allow a few moments for Illustrator to generate the sketch.



Tip

The Photo Crosshatch Filter is bounded by certain physical limits—the speed and accuracy with which it works depends on having enough RAM. For the best results, close any other open programs before you apply this filter.

5. Close the illustration file without saving it.

Accessible Tools for a More Intuitive Creative Process

In designing Adobe Illustrator 8.0 software, we focused on how to make the program easier to learn and more accessible for all users. That's why you'll find clever features such as the new pencil, smooth, and erase tools, which let you sketch and edit graphics on-screen as easily as you draw with pencil on paper. You'll also enjoy the new, more intuitive approach to selecting and resizing objects.

New Pencil Tool

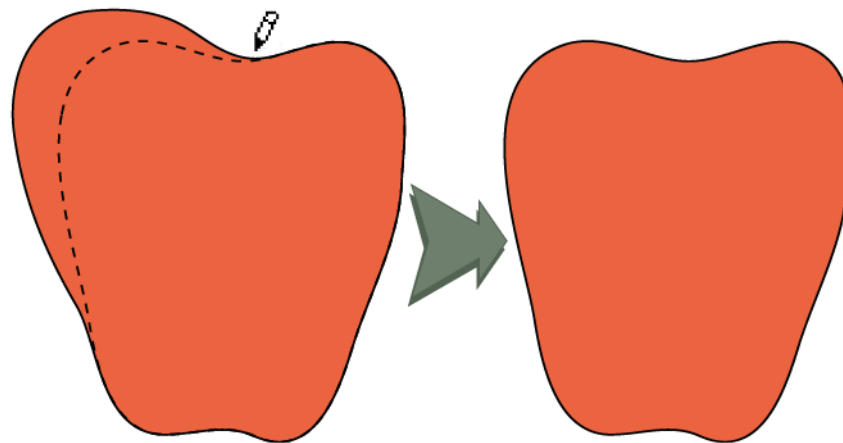
The new pencil tool promises to thrill new and longtime Illustrator users alike. This pencil tool works the way you think it should—letting you sketch on-screen with complete ease while still producing editable artwork. Basically, you get the freedom of drawing with pencil on paper and the control of having a final electronic file. But here's the real beauty of this new tool: As you draw, you can change your mind and reshape a path by simply drawing near the section you want to alter. Adobe Illustrator automatically adjusts the path to the desired shape.

Try it:

1. In a new illustration file, select the pencil tool. If you want, click on the arrow at the end of the pencil tool flyout to separate it from the toolbox. Then position the flyout in a convenient location.
2. Start freely drawing anything you want on-screen. For example, draw a simple shape like an apple.
3. While the shape is still selected, pick the place you want to edit. Then position the tool near the selected path and start drawing to alter the shape of that area of the path.



Pencil, smooth, and erase tools



Tip

By default, a path you draw with the pencil tool is selected when you stop drawing, so you can reshape it easily. To specify that pencil-drawn paths not be selected automatically, click the pencil tool and uncheck Keep Selected. Or simply press Ctrl or Command to deselect the path and start drawing another one.

4. When you're finished experimenting, leave your illustration in place and move onto the next section.

Smooth and Erase Tools

Adobe Illustrator 8.0 simplifies freeform-path editing with its new smooth and erase tools. These tools perfectly complement the pencil tool, giving you complete control over your freeform drawings. The smooth tool easily glides over a path, removing unwanted bumps and wrinkles. The erase tool eliminates part or all of a path with complete efficiency.

Try it:

1. In the illustration file you created in the previous section, select the smooth tool.
2. Zoom in on an area of your drawing that has a few bumps or wrinkles you want to smooth out.
3. Make sure the path is selected. Then position the smooth tool over the bumpy area and drag along the path to reshape it.
4. Switch to the erase tool. Then position it over part of the selected path and drag to erase a section.
5. When you're finished experimenting with these three tools, close your illustration file without saving it.

More Intuitive Approach to Selecting and Editing Objects

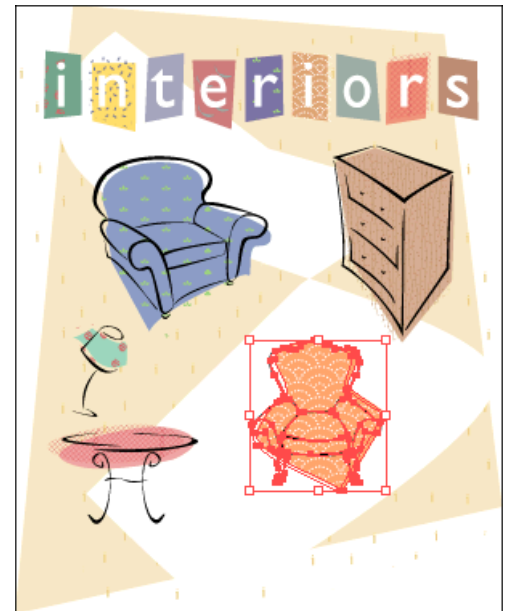
You probably work with a wide variety of software, including Microsoft Word, Microsoft PowerPoint®, PageMaker, and other programs. If that's the case, you'll instantly appreciate why we're revising the way object selection works in Adobe Illustrator 8.0. Now you can select, move, and resize text, objects, and paths using the same, easy-to-manipulate bounding box that appears around objects in PageMaker, Microsoft Word, and other programs. This new functionality makes it easier to master Illustrator basics more quickly and intuitively.

Try it:

1. Locate and open Interiors.ai (in the Sample Art folder in the Sample Files folder in the Adobe Illustrator 8.0 folder).
2. With the selection tool, select the chair in the lower-right area of the illustration.



Select an object and drag a corner handle to resize it—just as you would in PageMaker, Word, or other software programs you use.



3. Press the Shift key and drag the lower-right handle out to make the chair bigger or in to make it smaller.
4. Experiment with resizing, moving, or transforming other objects in the illustration using bounding-box selection.
5. Close the file without saving your changes.

About Adobe Systems

Adobe Systems Incorporated, the award-winning provider of graphics and publishing solutions, gives you the power to make your ideas stand out exactly as you intend. Whether you work in a design studio, an office, or at home, Adobe's software, images, type, and printing technologies offer you a seamless workflow for creating and distributing graphically rich communications in print and electronic media.

System Requirements*

Windows 95/Windows 98/
Windows NT 4.0

- Intel® Pentium® or faster processor
- Microsoft Windows 95, Windows 98, or Windows NT 4.0 operating system
- 32 MB of RAM (64 MB recommended)
- 50 MB of available hard-disk space (95 MB recommended)
- CD-ROM drive
- Video card that supports 800x600 monitor resolution

Power Macintosh

- PowerPC® processor
- Apple System Software version 7.5 or later
- 32 MB of RAM with 20 MB available to Adobe Illustrator (64 MB recommended)
- 50 MB of available hard-disk space (95 MB recommended)
- CD-ROM drive
- 832x624 monitor resolution

* System requirements are subject to change prior to the product shipping.

Estimated Street Price: \$375

Expected Ship Date:
4th Quarter 1998

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