Adobe Creative Suite Illustrator

MTSU School of Journalism Visual Communication

MTSU SCHOOL OF JOURNALISM

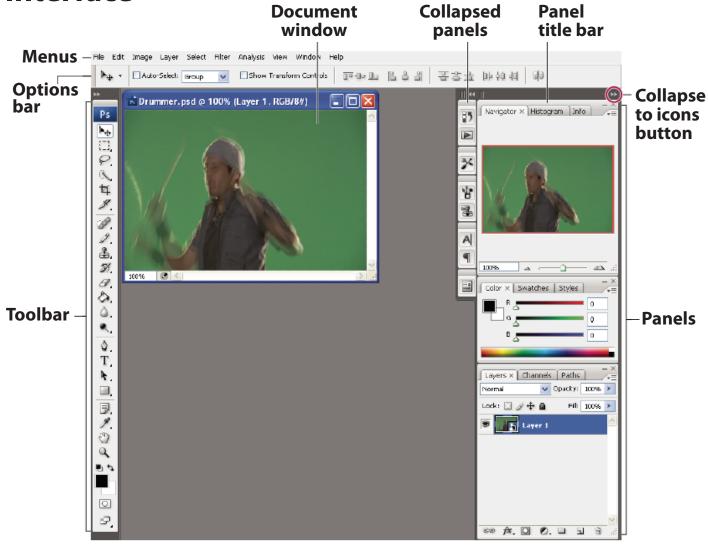
mtsujournalism.org

Visual Communication

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The contents of this manual were written and prepared by Philip Loubere, assistant professor, MTSU School of Journalism. ploubere@mtsu.edu

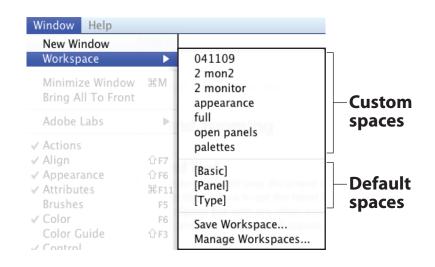
Interface



Saved workspaces

Under the **Window** menu, highlitht **Workspace**. There will be several default spaces in the popup menu that will change the choice and appearance of panels and bars.

You can save your own custom workspace. Arrange panels and bars the way you want, then select **Save Workspace...**





Navigation: Panning and zooming



Spacebar = Hand Tool

Use the **Hand Tool** to move around your document window. But instead of going to the Toolbox to get the Hand Tool, simply hold down the **Space Bar** with any other tool selected (except the Text Tool), and the Hand Tool will appear.



Command + space Bar = Zoom Tool

Hold down the **Command** key and the **Space Bar** at the same time. Whatever tool you have selected will change to the **Zoom In Tool** - drag a marquee over the area you want to zoom in on.

Command, Option and **Space Bar** will make the **Zoom Out Tool** appear — click anywhere on your document to zoom out.

Zoom In Or Out Incrementally

The **Command** key and the **Plus Key** will zoom in one step; the **Command** key and the **Minus Key** will zoom out one step.

The **Command** key and the numerical **Zero Key** will fit your document in your window.

The **Command** key and the **One Key** will take you to 100% view, or actual size.

Other Methods

In the bottom left corner of your document window is a field that shows current magnification. Highlight that number and type in the magnification level you want and hit enter.

Or, open the **Navigator Palette** from the Window menu. Move the red box around to reposition your view, or use the magnification slider on the bottom.

HAND TOOL ZOOM TOOL

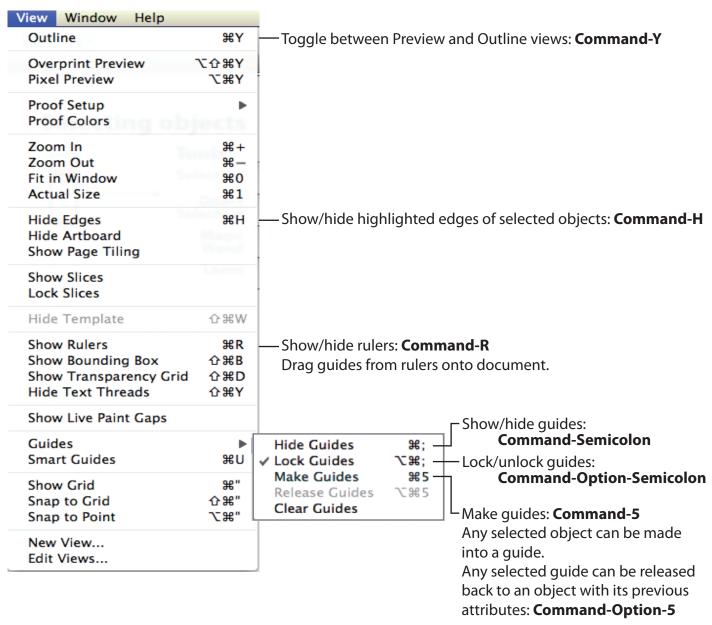
Keyboard commands

Fit in window	Cmd 0 (zero)
Actual size	Cmd 1
Zoom in	Cmd +
Zoom out	Cmd -
Zoom tool	Cmd Space bar (hold down)
Zoom out tool	Cmd Opt Space bar (hold down)
Hand tool	Space bar (hold down)

Cmd: Apple key Opt: Option key

View commands

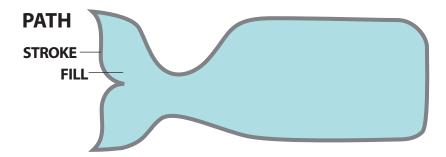
View menu



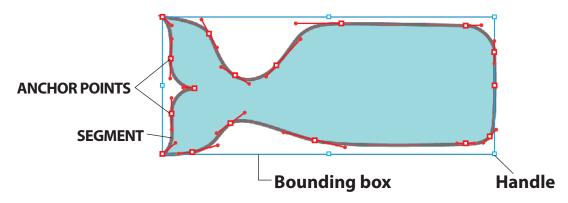
\/:	Preview/outline view	Cmd Y
View	Show/hide guides	Cmd;
	Lock/unlock guides	Cmd Opt;
	Show/hide edges	Cmd H
	Show/hide page rulers	Cmd R

Paths and points

In Illustrator, shapes that you create are called **paths**. You can modify the color and width of the outline, or **stroke**, and the type and color of the **fill**, the area inside the stroke. The fill can be a single color, a gradient—a blend between two or more colors—or a pattern.

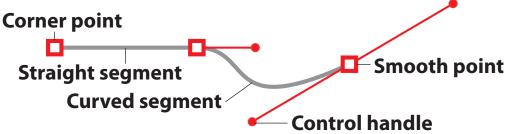


A path is composed of **anchor points** and **segments** that join the points.



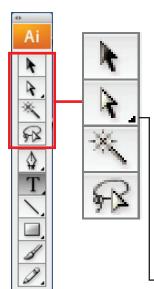
When a path is selected, its **bounding box** appears. The bounding box has handles in each corner and in the middle of each side that can be used to resize the path.

There are two types of anchor points: **Corner** and **Smooth**. Smooth points have curved segments between them, and have control handles that can be used to modify the curve of the segment.



Anchor points and control handles are only visible when a path is selected. They don't print or show up in the final artwork.

Selection Tools



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Selection Tool (black arrow) selects entire paths.

Direct Selection (white arrow) selects individual points or segments, that is, parts of paths.

Magic Wand selects all paths in a document with the same or similar fill attributes.

Lasso Tool selects paths or parts of paths by dragging a marquee around all or part of the paths.



(Click and hold lower right corner of tool to make popup menu appear)

Group Selection tool:

First click selects individual path, second click selects all paths that it's grouped with.

Selecting multiple paths

- **Click and drag** with any of the selection tools to select multiple paths or parts of paths.
- **Shift-click** on additional paths after one is already selected. Also deselects an already selected path.

Select

Selection tool (black arrow)

Direct Selection tool (white arrow)

Group Selection tool (white arrow +)

Toggle between black and white arrows

Lasso

Magic Wand

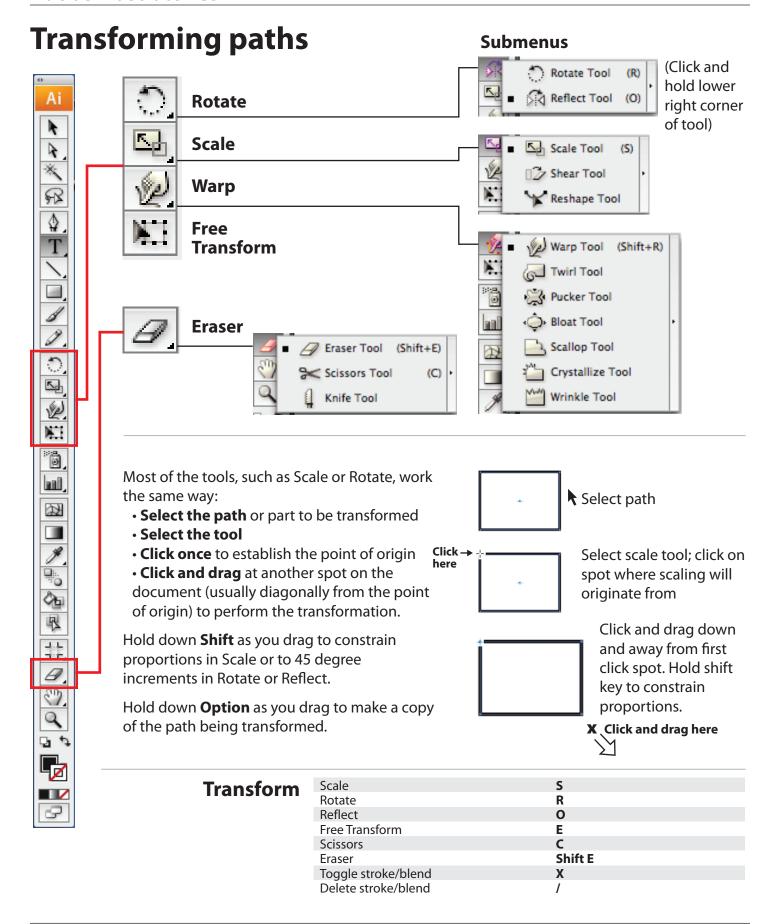
V

A

Opt (hold down)

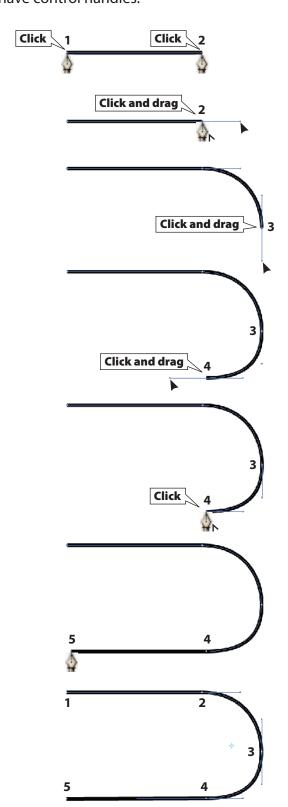
Cmd (hold down); Cmd Opt Tab

Y



Pen Tool: Drawing straight and curved paths

Clicking once with the Pen tool creates an anchor point for a straight stroke. **Clicking and dragging** creates an anchor point for a curved stroke. The curved anchor point will have control handles.



STRAIGHT TO CURVED

With **Pen Tool** selected, click a point and then a second point. This creates two anchor points joined by a straight stroke.

Click and drag on the second point, creating a control handle. Notice how the Pen Tool changes in appearance when over point 2, and when dragging out the handle.

Click and drag a third point, creating an anchor point with two handles. The stroke joining points 2 and 3 is curved, and the curve can be adjusted by clicking and dragging on the small points at the ends of the handles.

CURVED TO STRAIGHT

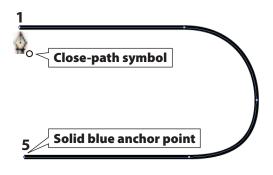
Click and drag a fourth point. Again, the stroke between points 3 and 4 will be curved and adjustable with the handles.

Click once on the fourth point. This eliminates its front handle, but leaves the one in back that controls the stroke between points 3 and 4.

Click once to make a fifth point, without dragging. The stroke between points 4 and 5 will be straight, with no handles.

The entire path will be defined by five points connected by two straight strokes and two curved strokes. Points 1 and 5 will have no handles, points 2 and 4 will have one handle each, and point 3 will have two handles.

Pen Tool: Closing paths; altering points



CLOSING THE PATH

With point 5 still selected with the Pen tool — it will be solid instead of hollow — move the Pen tool over point 1. A circle will appear next to the cursor when it is directly over the point. Click once to close the path, or click and drag to add a single handle to point 1.

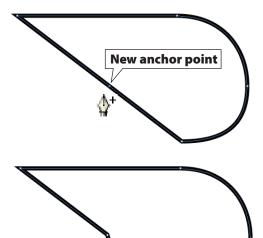


REMOVING POINTS

With the path selected, placing the Pen tool over any anchor point will cause a minus sign to appear next to the cursor.



Clicking on the point will delete the point.



Option-click and drag

ADDING POINTS

Placing the Pen tool over any part of a selected stroke will cause a plus sign to appear.
Clicking on the stroke will add an anchor point.

CHANGING FROM STRAIGHT TO CURVED

Place the Pen tool over a point and hold down the **Option** key. The cursor will change to the **Convert Anchor Point** tool. Clicking and dragging on a straight anchor point will add handles to it; clicking on a curved anchor point will remove its handles.

Changing stroke and fill colors

FILL/STROKE ICONS



Stroke active



The **Fill/Stroke icon** is in the Color Panel and also at the bottom of the Tool Bar.
Choose to make the stroke or fill active by clicking on the lower right or upper left boxes respectively.

Change the fill and stroke colors of a selected shape by clicking on a color in the Swatches Panel, or by mixing a color using the sliders in the Color Panel.

COLOR PANEL

Choose the color space for the sliders from the popup menu at upper right. Drag the sliders, or type in percents in numerical fields.

You can also click on a color in the Spectrum, or on the No Color icon.

SWATCHES PANEL

Swatches can be colors, textures or gradients. Choose which types to show by clicking on the Swatch Kinds icon at the bottom.

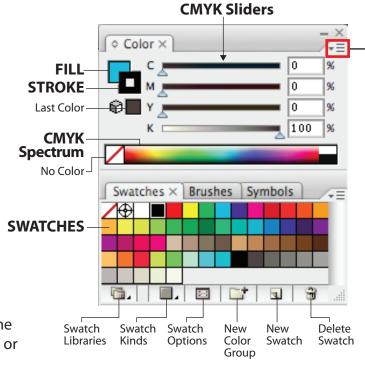
A color mixed in the Color Panel can be dragged onto the Swatches Panel to save it as a new swatch.

Swatches can be rearranged in the panel by dragging them to new positions, or deleted by dragging them to the Trash Can icon at the lower right corner of the panel.

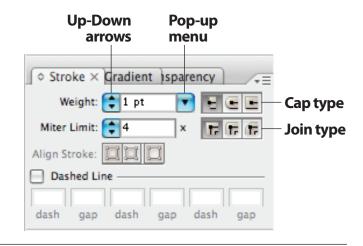
STROKE PANEL

Change stroke width in the Weight field. Use up-down arrows, pop-up menu, or highlight the field to enter a number, such as 2.5 pt.

Check Dashed Line to make dashes, and enter dash and gap lengths in points.







Gradients

GRADIENT PANEL

To change a path's fill to a gradient, select the path and click on the **Gradient Fill** icon in the Gradient panel. At first, it will be a generic white-to-black, horizontal gradient, but you can modify its colors and direction. You also have the option of two types: linear or radial.

Changing colors

The gradient slider in the panel has markers on it that determine the colors to be blended. There are two ways to change a marker's color:

- **Drag a swatch** from the Swatches panel onto the marker
- Click on the marker, which will make its color appear in the **Color panel**. Adjust the Color panel sliders to create a new color.

Adding colors

Click anywhere on the Slider, or drag a color swatch anywhere on it, to make a new marker. The markers can also be moved to a different spot by dragging them.

To delete a marker, drag it off of the Slider.

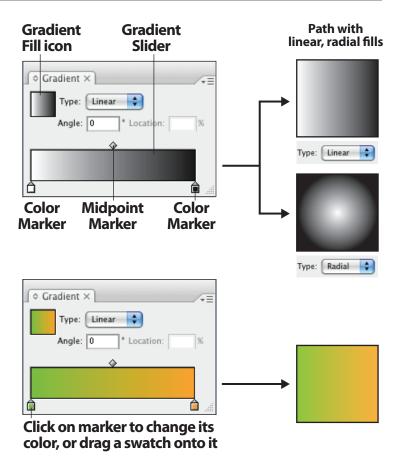
The diamond shapes at the top of the Slider indicate midpoints of blends. They can be changed by dragging, or by entering a percent in the Location field.

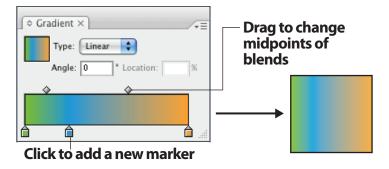
Changing direction



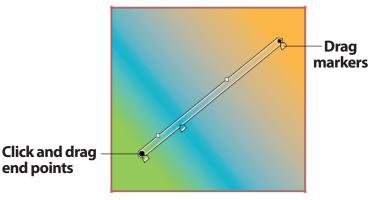
The **Gradient Tool** in the toolbar is used to change the gradient's direction. With the path selected, drag the tool across it in the desired direction. The bar that appears across the path is interactive: grab the endpoints to reposition them, and slide the color markers to reposition them.

The direction can also be changed by entering a number in the **Angle** field in the panel.





Drag tool across selected path

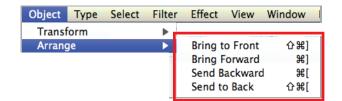


Arranging paths

There are two ways to move paths in front of or in back of each other:

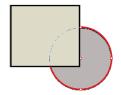
ARRANGE MENU

Arrange under the **Object menu** gives you four options to move a path in relation to others on the same layer.



PASTE COMMANDS

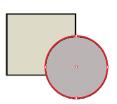
Paste in Front / Paste in Back commands under the **Edit** menu allow you to place a path directly in front of or in back of another path without changing its location on the page:



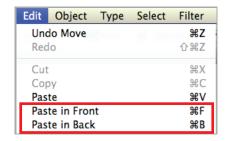
1. Select circle and choose **Cut** under **Edit** menu



2. Select rectangle



3. Choose Paste in Front under Edit menu

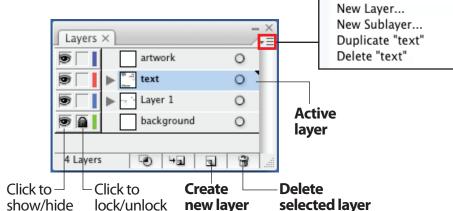


Path options

Paste in front (of selected object)	Cmd F	
Paste in back	Cmd B	
Lock	Cmd 2	
Unlock all	Cmd Opt 2	
Hide	Cmd 3	
Unhide all	Cmd Opt 3	
	Cmd: Apple ke	
	Opt: Option ke	∍y

Layers

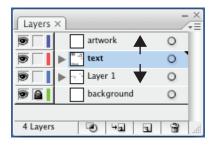
Paths can exist on any layer in the **Layers menu**, which is where you can create or delete layers, move layers above and below each other, and move selected paths from one layer to another.



Moving layers

Move a layer up or down in the panel by simply dragging it above or below the other layers.

CAUTION! Dragging a layer directly on top of another layer will convert it into a sublayer inside that layer. It will then only be visible by expanding the layer: see Sublayers below. Be sure to drag the layer to a spot in between other layers.



Drag the layer above or below other layers

Layers popup menu

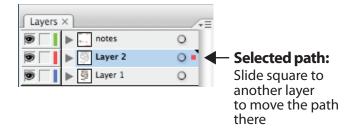
Moving a shape to a different layer

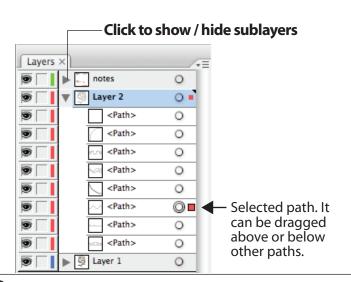
When a path or group is selected, a small square will appear to the right of the layer that it's occupying. Click and slide the square up or down to move the path or group to another layer.

CAUTION! Clicking on the right side of a layer selects all the paths on that layer. Make sure to select the path you want to move first, then slide its square to the desired layer by dragging.

Sublayers

Each layer has a triangular icon to the left of its name. Clicking on it expands the layer to reveal all the paths on that layer.



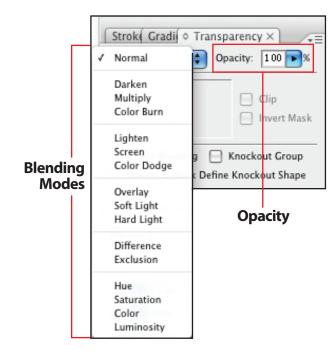


Transparency

BLENDING MODES

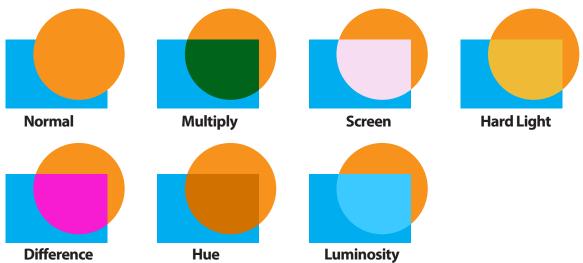
The **Transparency Panel** allows you to change how a selected path interacts with paths beneath it. The Blending Modes each have a different effect: Experiment with them to see what they do.

Illustrator's blending modes are identical to Photoshop's. However, in Photoshop they are applied to layers rather than selected paths.



BLENDING MODE EXAMPLES

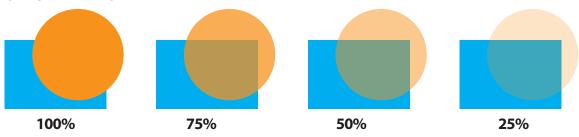
With orange circle selected:



OPACITY

Opacity simply means how transparent a path is, determined by percentage: The lower the percentage, the more transparent the object is.

OPACITY LEVELS



Clipping masks

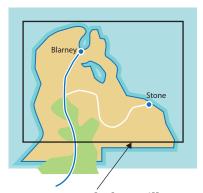
A clipping mask is a path that acts as a frame or container for something underneath it. Any part of underlying paths that lie outside of the mask will be hidden (although it can still be selected.)

The command is under the **Object** menu: **Clipping Mask: Make**.

To make one, select any number of overlapping paths and use the Make command. Whatever is the topmost path will become the mask for all underlying paths.

The keyboard shortcut is **Command-7**.

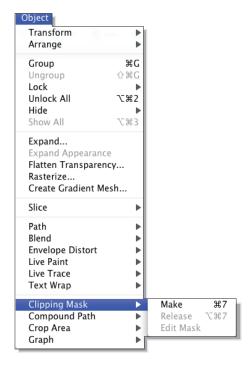
The Release command is in the same submenu (**Command-Option-7**).



Draw a path that will become the mask



Select all, including the mask path

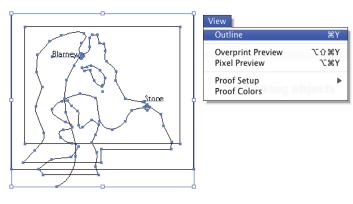




Make Clipping Mask Notice that the mask path loses all its stroke and fill attributes

To see, select and modify parts of paths hidden by the mask, you can either release it temporarily, or switch to **Outline View** in the View menu (**Command-Y** toggles between Preview and Outline).

Be aware that selecting paths on multiple layers and applying a mask to them will move them all to the same layer as the mask. It also groups all the paths: Use the Group Selection Tool (White arrow with plus sign) to select paths within the group.



Outline View

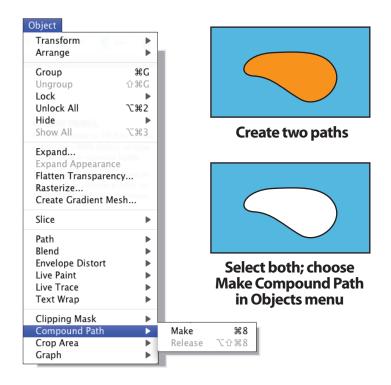
Compound paths

Creating a compound path is like cutting a hole in a path. It's made by drawing a path in front of another path, selecting both, and choosing Make Compound Path under the Objects menu.

The keyboard shortcut is **Command-8**.

The release command is in the same place — that will make the paths separate again.

(Command-Option-Shift-8).

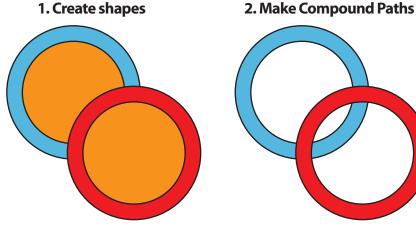


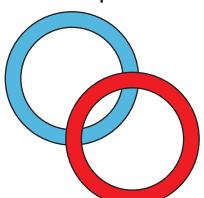
INTERLOCKING PATHS

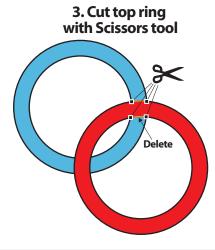
Draw a circle, copy it and paste it in front of itself, then scale it down. Select both circles and make compound path.

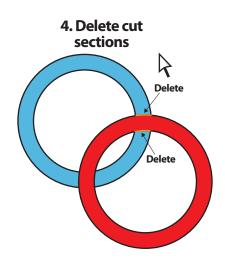
Repeat for the other ring.

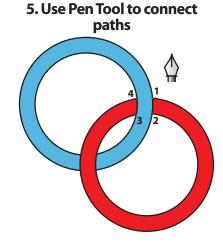
Use **Scissors Tool** (subset of Eraser) to cut top ring where it intersects bottom ring. Select cut sections with White Arrow and delete. Use **Pen Tool** to connect inner and outer parts.





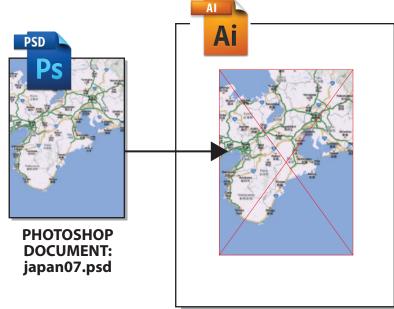






Placing images

Photoshop images can be placed in an Illustrator document to either trace from or to be used as part of the document. The Photoshop document will be nested inside the Illustrator document. But you need to know the difference between the two documents and keep track of them.



Workflow

To place a Photoshop image in an Illustrator document:



- In Illustrator, create a new, blank document in the desired color space (CMYK or RGB).
- Under the **File** menu, select the **Place** command.
- Locate the Photoshop document and click **Place**. Make sure the **Link** option is checked on.

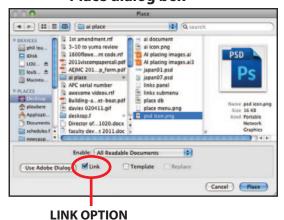
The two documents should be kept in the same location: on your desktop or in a folder.

Place dialog box

ILLUSTRATOR

DOCUMENT:

japan07_trace.ai



Link vs. Embed

When you use the **Place** command, you have the option of linking to the Photoshop document or embedding it. To link, make sure the **Link** option is checked on in the Place dialog box.

IF YOU LINK: The Photoshop document has to accompany the Illustrator document wherever it goes. If you copy the Illustrator document to your flash drive, you have to copy the Photoshop document along with it, to the same place.

The Photoshop document will be **embedded** if the Link option is unchecked. Then, the Photoshop image will become part of the Illustrator document and doesn't have to accompany the Illustrator document if it's copied or moved.

Placing images cont.

Advantages of linking:

If any changes are made to the Photoshop document, they'll be updated in the Illustrator document.

Keeps the Illustrator document file size smaller.

Advantages of embedding:

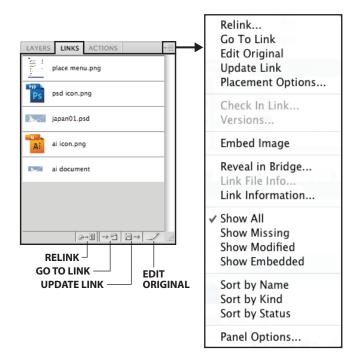
You don't have to worry about keeping the Photoshop document with the Illustrator document.

If changes are made to the Photoshop document, you can still update it, you just have to do it manually through the Links panel.

Links Panel

As you place images in the Illustrator document, they will be listed in the Links panel.

The popup menu in the upper right corner offers a list of options for any of the links selected in the panel.



Naviasta	Fit in window	Cmd 0 (zero)
Navigate	Actual size	Cmd 1
	Zoom in	Cmd +
	Zoom out	Cmd -
	Zoom tool	Cmd Space bar (hold down)
	Zoom out tool	Cmd Opt Space bar (hold down)
	Hand tool	Space bar (hold down)
Viou	Preview/outline view	Cmd Y
View	Show/hide guides	Cmd;
	Lock/unlock guides	Cmd Opt ;
	Show/hide edges	Cmd H
	Show/hide page rulers	Cmd R
Select	Selection tool (black arrow)	V
Jeieet	Direct Selection tool (white arrow)	A
	Group Selection tool (white arrow +)	Opt (hold down)
	Toggle between black and white arrows	Cmd (hold down); Cmd Opt Tab
	Lasso	Q
	Magic Wand	Υ
	Туре	т
Type	Tab ruler	Cmd Shift T
71	Align left	Cmd Shift L
	Align right	Cmd Shift R
	Align center	Cmd Shift C
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	- Show madeir characters (toggie)	
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10013	Add Anchor Point	+
	Delete Anchor Point	-
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	Rectangle	M
	Ellipse	L
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		G W
	Blend	G W X
	Blend Toggle stroke/blend	W
	Blend	W
	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend	W X / Shift X
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group	W X / Shift X Cmd G
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup	W X / Shift X Cmd G Cmd Shift G
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock	W X / Shift X Cmd G Cmd Shift G Cmd 2
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object)	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7 Cmd 8
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7
	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7 Cmd 8 Cmd Opt 8
Arrange	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7 Cmd 8 Cmd Opt 8 Cmd A
	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release Select all Deselect all	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7 Cmd 8 Cmd Opt 8 Cmd A Cmd Shift A
	Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release	W X / Shift X Cmd G Cmd Shift G Cmd 2 Cmd Opt 2 Cmd 3 Cmd Opt 3 Cmd F Cmd B Cmd 7 Cmd Opt 7 Cmd 8 Cmd Opt 8 Cmd A

Marriage	Fit in window	Ctrl 0 (zero)
Navigate	Actual size	Ctrl 1
	Zoom in	Ctrl +
	Zoom out	Ctrl -
	Zoom tool	Ctrl Space bar (hold down)
	Zoom out tool	Ctrl Alt Space bar (hold down)
	Hand tool	Space bar (hold down)
	Tiuria tooi	Space bai (Hold down)
N 40	Preview/outline view	Ctrl Y
View	Show/hide guides	Ctrl;
	Lock/unlock guides	Ctrl Alt ;
	Show/hide edges	Ctrl H
	Show/hide page rulers	Ctrl R
	Show, mae page raiers	CITI
	Selection tool (black arrow)	V
Select	Direct Selection tool (white arrow)	A
	Group Selection tool (white arrow +)	Alt (hold down)
	Toggle between black and white arrows	Ctrl (hold down); Ctrl Alt Tab
	Lasso	Q
	Magic Wand	Y
	Magic Wallu	T
	Type	т
Type	Type Tab ruler	Ctrl Shift T
-76-		
	Align left	Ctrl Shift L
	Align right	Ctrl Shift R
	Align center	Ctrl Shift C
	Show hidden characters (toggle)	Ctrl Alt I
	Pen	P
Tools	Add Anchor Point	-
		+
	Delete Anchor Point	- Chiff C
	Convert Anchor Point	Shift C
	Rectangle	M
	Ellipse	L
-	C	£
Transform	Scale	\$
Transform	Rotate	R
Transform	Rotate Reflect	R O
Transform	Rotate Reflect Free Transform	R O E
Transform	Rotate Reflect Free Transform Scissors	R O E C
Transform	Rotate Reflect Free Transform Scissors Eraser	R O E C Shift E
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper	R O E C Shift E I
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient	R O E C Shift E I
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend	R O E C Shift E I G
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend	R O E C Shift E I G W
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend	R O E C Shift E I G W X
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend	R O E C Shift E I G W
Transform	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend	R O E C Shift E I G W X / Shift X
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group	R O E C Shift E I G W X / Shift X Ctrl G
Transform Arrange	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock	R O E C Shift E I G W X / Shift X Ctrl G
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl 3
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl 3 Ctrl Alt 3
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object)	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl 3 Ctrl Alt 3 Ctrl F
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl Alt 2 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7 Ctrl 8
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl Alt 2 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7
Arrange	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7 Ctrl 8
	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl 3 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7 Ctrl 8 Ctrl Alt 8
Arrange	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl Shift G Ctrl Alt 2 Ctrl Alt 3 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7 Ctrl 8 Ctrl Alt 8 Ctrl Alt 8
Arrange	Rotate Reflect Free Transform Scissors Eraser Eyedropper Gradient Blend Toggle stroke/blend Delete stroke/blend Swap stroke/blend Group Ungroup Lock Unlock all Hide Unhide all Paste in front (of selected object) Paste in back Clipping mask Clipping mask release Compound path Compound path release	R O E C Shift E I G W X / Shift X Ctrl G Ctrl Shift G Ctrl 2 Ctrl Alt 2 Ctrl Alt 3 Ctrl F Ctrl B Ctrl 7 Ctrl Alt 7 Ctrl Alt 8 Ctrl Alt 8 Ctrl Alt 8