Brushes Palette

Choose Brushes by clicking on the icons in the Brushes Palette. Click on the Pushbar to access the Brush Library.

Access controls for building custom brushes from the Brushes menu.

Shows current Brush Size. Click for alternate preview.
- Control the size with these sliders.
- Build a new variant using the current size.
- Cross-sections of available Brush tips.

Part of the Natural-Media® Brush responsiveness comes from greater or lesser amounts of randomness.
- Vary randomness of Dab placement.
- Vary randomness of the clone source location and frequency.

The adjustments on the Well Palette affect the way a medium (ink, paint etc.) flows from a brush.
- Make color last longer through a stroke.

Access the Nozzles Palette from the Nozzle menu.
- Move and organize Nozzles.
- Add Nozzle to or check out from Library.
- Open other Nozzles or create your own Nozzle files.

Build and Capture Brushes
The Brush Look Designer together with the basic Brush Looks Library provides an environment for developing Brush variants quickly.

Control how much colors will mix together.
- Determine how quickly a brush runs out of its medium.
The Water Palette works with Painter's wet layer.
- Adjust how much the edge of a brush stroke interacts with the grain of the paper texture.

Click on the grow box to display the Nozzle Controls.
- Choose a particular Nozzle by clicking its icon.

Choose Brushes and load new Libraries.
Choose Brush variants.

Control the angle of the Brush dab as well as to what degree the angle affects the appearance of the variant.
For the most part strokes are composed of a series of Dabs. Choose among four Dab Types.

Vary the location of paper grain placement.
Completely randomize the location from which clone pieces are picked up.

Brush Controls palettes can be accessed under the Controls menu.

Rake Strokes are made up of sets of strokes.
- Adjust how much of the Brush touches the painting surface.
- Control spacing between individual bristles in a Brush.
- Control the degree to which bristles displace while painting a curve.

Increase or decrease the amount of pigment that builds up on the outer edges of a watercolor stroke.

Adjust Brushes to react to a variety of parameters using the Sliders Palette.

Change the size of Nozzle images.

Set input factors for controlling which images are selected from the Nozzle.

Record and Playback strokes.

Brush strokes interact with existing color depending on their Method. Change Methods by choosing from either or both of these pop-up menus. Transform regular brushes into amazing brushes by choosing a Plug-in Brush Method and Method Subcategory.

Control the spacing of Dabs; determine whether the Dabs operate singly or in groups.

Dynamically adjust Brush Bristles.

Adjust Brush scale with pressure.
Make the outermost bristle of a Brush transparent.

Vary attributes of Brush Bristles.

In this example the pressure applied to a stylus will determine how much the grain of the paper shows.

Keyboard Shortcuts

UNIVERSAL	MAC	WIN

Palettes

Toolbox	⌘-1	Ctrl-1
Brushes	⌘-2	Ctrl-2
Art Materials	⌘-3	Ctrl-3
Objects	⌘-4	Ctrl-4
Controls	⌘-5	Ctrl-5
Color Sets	⌘-6	Ctrl-6
Floaters	⌘-7	Ctrl-7
Selections	⌘-8	Ctrl-8
Nozzles	⌘-9	Ctrl-9

Menu Keyboard Commands

File
New	⌘-N	Ctrl-N
Open	⌘-O	Ctrl-O
Close	⌘-W	Ctrl-W
Save	⌘-S	Ctrl-S
Get Info	⌘-I	Ctrl-I
Print	⌘-P	Ctrl-P
Quit	⌘-Q	Ctrl-Q

Edit
Undo	⌘-Z	Ctrl-Z
Redo	⌘-Y	Ctrl-Y
Cut	⌘-X	Ctrl-X
Copy	⌘-C	Ctrl-C
Paste	⌘-V	Ctrl-V

Effects
Last Effect	⌘-/	Ctrl-/
2nd-to-Last Effect	⌘-	Ctrl-
Fill	⌘-F	Ctrl-F
Equalize	⌘-E	Ctrl-E
Adjust Colors	Shift-⌘-A	Shift-Ctrl-A
Apply Surface Texture	Shift-⌘-S	Shift-Ctrl-S

Canvas
Tracing Paper	⌘-T	Ctrl-T
Resize Image	Shift-⌘-R	Shift-Ctrl-R

Select
Select All	⌘-A	Ctrl-A
Deselect	⌘-D	Ctrl-D
Reselect	⌘-R	Ctrl-R

Shapes

Group	⌘-G	Ctrl-G
Ungroup	⌘-U	Ctrl-U
Join Endpoints	⌘-J	Ctrl-J
Duplicate	⌘-]	Ctrl-]
Set Shape Attributes	⌘-[	Ctrl-[

Windows

Hide/Display Palettes	⌘-H	Ctrl-H
Zoom in	⌘-+	Ctrl-+
Zoom Out	⌘-−	Ctrl-−
Full Screen Window	⌘-M	Ctrl-M

Screen Navigation

Scroll image with Grabber

Center Image	Space-Click	Space-Click
Zoom in	Space-⌘	Space-Ctrl
Zoom out	Space-⌘-Opt	Space-Ctrl-Alt
Rotate Image	Space-Opt	Space-Alt
Constrain rotate to 90°		
	Shift-Opt-Space	Shift-Alt-Space

Un-rotate image
	Space-Opt-Click	Space-Alt-Click

Define magnification Area
	Space-Ctrl-Drag	
	Space-⌘-Drag	

Brush Tools

Brush Controls
Dropper	⌘	Ctrl
Resize Brush	⌘-Opt	Ctrl-Alt
Constrain to 45°	Shift	Shift
Adjust Colors	Shift	Shift

Apply Surface Texture
	Shift-⌘-S	Shift-Ctrl-S

Adjust opacity to 10% increments
	1 – 0 keys	
Unconstrained Draw	Shift-1	
Draw outside	Shift-2	
Draw inside	Shift-3	
Post diffuse (wet layer)	Shift-d	
Load Nozzle	⌘-L	Ctrl-L

Cloning

Set Clone Source
Click	Shift-Click	

Set Clone Destination
	⌘-Shift-Click	Ctrl-Shift-Click

Re-link Clone Source
Opt-Clone Cmd	Alt-Clone Cmd	

Colors

Add current color to color set
	⌘-Shift-K	Ctrl-Shift-K
Correct colors	⌘-Shift-K	Ctrl-Shift-K

Gradations
Edit Gradation	⌘-Shift-G	Ctrl-Shift-G

Adjust spirality for spiral gradations
⌘-Angle Adjuster	Ctrl-Angle Adjuster	

Paint Bucket Tool
Limit fill extent	Drag	
Dropper	⌘	Ctrl

Remove range of colors from set
	⌘-Drag	
	Ctrl-Drag	

Toggle contiguous & noncontiguous
	⌘-Shift-Click	Ctrl-Shift-Click

Define noncontiguous region
	⌘-Shift-Drag	Ctrl-Shift-Drag

Adjuster Tools

Floater Adjuster
Floater Adjuster
	⌘-Opt-Shift	Ctrl-Alt-Shift
Duplicate	Opt-Click	Alt-Click

Move floater by one screen pixel
	Arrow Keys	

Hide/Display marquee
	⌘-Shift-H	Ctrl-Shift-H

Delete selected floaters
	Delete	Backspace

Attribute dialog box for current floater
		Enter

Adjust opacity in 10% increments
		0 – 1 Keys

Select all floaters
	⌘-Opt-A	Ctrl-Shift-1
Deselect floaters	⌘-Opt-D	Ctrl-Shift-2

Selection Adjuster
Duplicate	Opt-Click	Alt-Click

Move selection by one screen pixel
	Arrow Keys	

Delete current selection
	Delete	Backspace

Selection Tools

Selection Tools
Constrain to square
	Shift (after mouse down)	
Add to selection	Shift	
Subtract from selection	⌘	Ctrl
Selection adjuster	Ctrl	Ctrl-Shift
Float	Click	

Float a copy
	Opt-Click	Ctrl-Shift-Click

Magic Wand
Add color to set	Shift-Click	

Add range of colors to color set
	Shift-Drag	

Remove color from set
	⌘-Click	Ctrl-Click

Tools Palette

Free Transform
Resize	Corner Handles

Resize/preserve aspect
	Shift-Corner Handles
Resize/one dimension	Side Handles
Skew	⌘-Side Handles
	Ctrl-Side Handles
Rotate	⌘-Corner Handles
	Ctrl-Corner Handles

Animation
Play Movie	⌘-Shift-P Ctrl-Shift-P
First Frame of Stack	Home
Last Frame of Stack	End
Next Frame	Page-Up
Previous Frame	Page Down

Stop at Current Frame
	Option-Stop Button

Stop and Return to Current Starting Frame
	⌘- Ctrl-

Adjuster Tools

Floater Adjuster
Floater Adjuster
	⌘-Opt-Shift Ctrl-Alt-Shift
Duplicate	Opt-Click Alt-Click

Shape Tools
Shape Selection Tool toggle	⌘ Ctrl

Shape Design Tools

Pen
Make corner point
	Click on Last Point

QuickCurve
Add to current endpoint
	Click and Draw from Endpoint

Shape Objects Tools

Rectangle
Constrain to square	Shift

Circle
Constrain to circle	Shift

Shape Selection Tools

Direct Selection
Select start point of shape	Home
Select end point of shape	End
Select previous point in shape	
	Page Up
Select next point in shape	Page Down

Whole Shape Selection
Move path by one screen pixel
	Arrow Keys

Delete selected shape
	Delete Backspace

Lighting
Lighting Mover	Shift ⌘-L
	Shift Ctrl-L

Mosaics
Get tile color	⌘-Click tile Ctrl-Click tile
Get tile shape	Opt-Click Alt-Click
Delete tile	⌘-Click Ctrl-Alt
Select all tiles	a
Deselect all tiles	d
Change to current color	c
Tint with current color	t
Vary tile color	v

Tools Palette labels

Magnifier:		m

Zooms in on an image. Option/Alt+click zooms out.

Grabber: g
Scrolls or "pans" an image.

Rotate Page: e
Rotates the canvas to accommodate your natural drawing style.

Crop: c
Drag to specify crop area.

Brush: b
Freehand strokes. b
Straight line strokes. v

Paint Bucket: k
Fills an area.

Dropper: Samples d
color from an image.

Selection Tools:

Rectangular Selection: r
Creates rectangular or square selections.

Oval Selection: o
Creates elliptical or circular selections.

Lasso: l
Selects freehand areas.

Magic Wand w
Selects based on pixels.

Adjuster Tools:

Floater Adjuster: f
Select and manipulate floaters and shapes.

Selection Adjuster: s
Select and manipulate selections.

Shape Selection: h
Select and manipulate shape points/segments.

Shape Design Tools:

Pen: p
Draws straight-line and Bézier curve shapes.

QuickCurve: q
Draws freehand shapes.

Shape Objects Tools:

Rectangular Shape: i
Creates rectangular or square shapes.

Oval Shape: j
Creates elliptical or circular shapes.

Convert Point: y
Converts between smooth and corner anchor points.

Shape Edit Tools:

Scissors: z
Cuts path segments.

Add Point: a
Adds control points.

Delete Point: x
Removes control points.

Image Window

Tracing Paper
Lets you see through to the clone source image so you can trace it.

View Grid
Overlays transparent grid for use as a reference.

Output Preview
When Output Preview is turned on, lets you preview how your image will print.

Draw Anywhere
Draw anywhere in the image.

Draw Outside
Draw only outside selections.

Draw Inside
Draw only inside selections.

Image Information

FRACTAL DESIGN CORPORATION

QUICK REFERENCE CARD

Painter 5

PA-5 0-QRC

Art Materials — Color Palette

- Note the border of the control marker—the hue control is solid, the value and saturation control marker is open.
- Click and drag the marker around the circle to change hue.

Hue
Value
Saturation
less — more

- Click and drag the marker inside the triangle to change saturation and value – simultaneously.

- Specify that the Brush paints with colors from a clone source.
  - Primary Color
  - Secondary Color
  - Hue, Saturation, and Value components of the selected color.
- Color variability sliders control the variation in color. Some Variants like Van Gogh, take advantage of color variability.
- Adjust Color Set enables editing of the Color Sets.

Art Materials — Paper Palette

- Click the grow box to extend the palettes.

- Access other paper libraries.
- Choose paper textures from the pop-up menu or by clicking the icon.

- Standard Colors shows the circle-and-triangle color picker shown above.
- Compact Colors – same, but with a color bar.
- RGB Colors shows a color color picker which allows choices for colors based on amounts of red, green and blue.

- Invert current paper.
- Change paper scale.
- Preview of current paper.

Art Materials — Grad Palette

- Brushes that react to paper grain include:
  - Chalk • Charcoal • Pencil
  Access tools for capturing or creating textures as well as for moving textures between libraries from the Paper menu.

- Make paper...
- Insert Paper
- Paper Mover...
- Load Library...

- Move papers between libraries
- Create and save your own papers.
- Import & export papers from/to other libraries.
- Preview shows results of your settings.
- Choose repeating pattern type.

- Change size and angle.
- Name the paper. It will be added to the current library.

Art Materials — (Grad)

- Click the grow box to extend the palettes.
- Choose Grads from the pop-up menu or by clicking the icon.
  - Click the pushbar to view the current Grad Library.
  - Grad name.

- Access more Grad tools by pulling down the ▶ Grad menu.

- Capture Grads by first selecting a series of colored pixels.
- Move Grads in and out of libraries with the Grad Mover.
- Express a Grad in an image to map the colors of a Gradation to the image based on luminance values.

- Grad Types
- Change the angle of Grads by clicking and dragging the red ball around the ring.

- Click to add color control point
- Drag the point where you want it
- Press Delete to remove control point
- Use the Orders buttons to change the order of the colors in the Grad.

Art Materials — Pattern Palette

- Choose Patterns from the pop-up menu or by clicking the icon.

- Choose the Type.
- Vary the Offset—how pattern tiles align with one another.
- Change the Scale of the Pattern tiles.
- Preview Pattern choices.

Access tools for creating, editing, capturing, and organizing Patterns.

Art Materials — Weave Palette

- Access other weave libraries.
- Weaves pop-up menu.

- Move weaves between libraries.

- Save weaves.
- Edit weaves.
- Change Color Sets.
- Toggle between 2D and 3D fibers.
- Vary the horizontal scale and horizontal thickness.
- Vary the vertical scale and vertical thickness of the threads.

Objects — P. Float Palette

- Click the pushbar to view more Plug-in Floaters
  - Choose a Plug-in Floater icon and then click Apply to open the options dialog.
  - Choose from the Library pop-up menu or click an icon.

- Commit the Plug-in to an image floaterand freeze currentstate, removingdynamic options.
- Return to the original image floater, removing dynamic changes.

A brightness/contrast Plug-in Floater and its options dialog.

Objects — Floater List Palette

- Floaters may be moved higher or lower in the image stack by clicking and dragging the listing up or down.
- Floater type (Reference, Plug-in, Image or Shapes Floater).
  - Click the eye to show/hide a Floater.
  - Click to lock/unlock a floater.
  - Floater Names.

- Trim excess area around floater.
- Group or ungroup Floaters.
  To Drop a Floater is to merge the Floater with the canvas.
- To Collapse a group is to merge all of the items in the group into one floater.

- Pull down the Floater menu for more Floater options.

- Configure floater libraries.
- Open floater attributes dialog

- Choose a floater by clicking its icon. Then drag the floater icon into your document.

(Objects)

- Use **Effects menu▶ Orientation▶ Free Transform** to transform a reference version of the floater. While in the state of transform, these floaters are called Reference Floaters.

Use the Adjuster tool to make transformations.

Move a floater.

Press the ⌘/Ctrl key and drag a corner point to rotate a floater.

Press the ⌘/Ctrl key and drag a mid-point to skew a floater.

Press the Shift key and drag a corner point to resize a floater while maintaing aspect ratio.

Objects — Mask List Palette

- View/Hide Masks
  - Select Mask to use it.

- Make a new mask to work on.
- Load highlighted mask as a selection.
- Save current selection as a mask.

- Choose a selection by clicking its icon. Then drag the selection into your document.

(Objects — Mask)

- Create a New Mask, or select an existing Mask and pull down the Mask menu for more options.

- Invert to select the inverse area, for example the window box or the stucco wall.

Choose **Select menu▶ Selections Portfolio** to open this palette.

Perform Boolean operations (Add to, Subtract from, intersect) when you load a mask as a selection.

Objects — Scripts Palette

- Scripts are stored in and played from the Scripts Palette.
- View and edit the individual steps involved in executing a Script by using the Scripts Palette.
  - Scripts are stored in Script Libraries. Access the Library by clicking on the pushbar.

- Select a Script by clicking on the icon or by using the pop-up menu (a list of all the Scripts in the Library by name).

- Record painting and image manipulations using the Scripts Palette, then edit to explore how changing individual parameters effects the resulting image.
- Double-click a step to bring up the set dialog

- The Script menu holds additional options.

(Objects — Scripts)

- Click the grow box to extend the palette.
- Scripts are displayed in step-by-step fashion.
- Most steps are editable.
  - Click on the triangle to display secondary elements of steps in an outline form.
  - Click the red light when you're done painting. This turns control over to the artist who's been waiting to paint.
  - Pull down for network command options.

Objects — Network Palette

- By editing the Brush used in the original script the resulting image is altered (see below)

- Painting traffic control—
  - Click the green light if you want to paint.
  - The light turns yellow while you wait your turn.
  - The light shows green when you become the current artist.

- Click here and type chat messages. Press Enter to send.
- Chat messages appear here.
- List of users connected to this project. Colored dot shows each user's status:
  - Green—the current artist.
  - Yellow—waiting to paint.
  - Red—just watching.