What's New in QuarkXPress 2017

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What's New in QuarkXPress 2017

This document provides an introduction to new features and enhancements in QuarkXPress 2017, including:

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  - New and enhanced output styles for HTML5 Publications, App Studio and iOS apps

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Please refer to *A Guide to QuarkXPress 2017* for details or visit
www.quark.com/support/documentation

Digital Publishing

The following changes have been made, enhancing the digital publishing features of QuarkXPress:

Direct iOS App Export

With QuarkXPress 2017 it is now possible to export content directly as a single iOS app, without having Xcode installed on your Mac. All you need to use this free cloud service from QuarkXPress 2017 is an internet connection. QuarkXPress 2017 makes the process simple with the new Export as iOS App feature.

➡ You will need an Apple Developer Account, which will add additional costs, to create the required Apple certificates and provisioning profiles to build the iOS App.

➡ For *Windows* users: You can do almost everything on the Windows platform too; but when uploading the final app to Apple's App Store, Apple requires you to use a Mac. There are third party rental services available to rent a Mac for a limited time to upload the final app to Apple.

Multi-variant HTML5 Publications, and App Studio Apps, Direct iOS Apps

QuarkXPress 2017 allows you to export multiple digital layouts, of various device sizes, as a single HTML5 package. (For example you can create layouts for iPad (Vertical and/or Horizontal), then duplicate it using adaptive settings to iPhone (V and/or H) etc). QuarkXPress 2017 also allows you to export multiple digital layouts as an App Studio Apps or a direct iOS App. The App will load the appropriate layout based on the size of the user's device.

Once exported you can publish them all as "HTML5 Publication" to get a folder that contains HTML for all the selected layouts. When published to a web server, the web reader will be responsive and automatically serve the correct HTML based on the device size used to access the website.
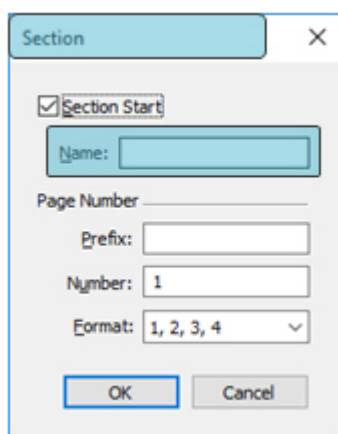
When exporting as HTML5 Publication, you can select one or more digital layouts, from those available in a project, to create HTML.
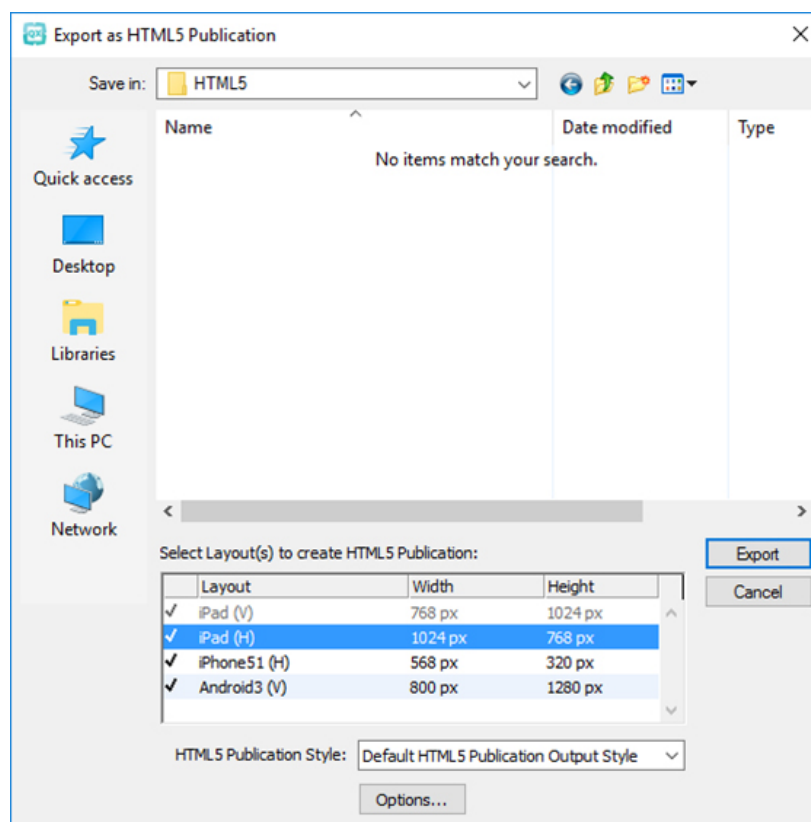
➡️ You will also see the option to select multiple layouts while uploading to App Studio and exporting as iOS App.

Named Sections in Page Layout Palette

Using the new Section dialog you can specify a unique name for each section.

The name has to be set on the first page of the corresponding section. This name will be used to specify pages to create rich TOC for HTML5 output (i.e. HTML5 Publications, App Studio and iOS App export). You may leave it blank if you don't intend to use it.

Rich TOC Support in HTML5 Publications, App Studio Apps, Direct iOS Apps

HTML5 Publications and App Studio output now support Table of Contents. You can create rich design TOCs and include it as part of your digital publication. With this

new capability, you no longer need to jump back to the beginning of the book/publication to access the TOC. You can open TOC anytime while reading the digital publication.

Enhanced Output Styles for App Studio

Output Styles for App Studio Publishing has been enhanced for QuarkXPress 2017. This gives the user a similar experience for App Studio Publishing, HTML5 Publications and iOS App Export.

New Output Styles for HTML5 Publications and Direct iOS App Export

Output styles have been enhanced to support HTML5 Publication output settings. You can also configure the Web Reader app through these settings in addition to the HTML5 export settings.

Native HTML enhancements

Text content, inside non-rectangular text boxes, is now exported as native HTML, instead of being converted to images.

You may now apply non-solid frames on text boxes without using the "convert to graphic" option. The content will exported as native HTML.

HTML5 Publications - Reader Enhancements

The new HTML5 Publications reader has been redesigned with several usability enhancements:

- New unified horizontal toolbar with all (configurable) buttons, and the Scrubber.

- Highly configurable using output styles and export options.

- Pinch zoom, instead of zoom in/out buttons.

Images and vectors

The following changes have been made, enhancing the images and vectors features of QuarkXPress:

Non-destructive image editing (adjustments and filters)
The new **Image Editing** palette allows you edit the raster image of an imported image in QuarkXPress. You can apply filter effects, color corrections and blend modes to an image as well as adjust the opacity.

You can apply effects on the image in non-destruction mode and you can also save images with the effects applied.
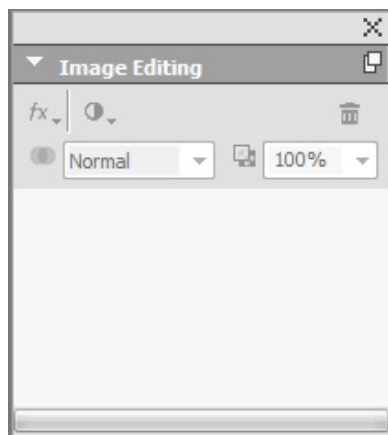
You can apply the following filter effects:

- Despeckle - Detects the edges in a picture and blurs all of the picture except those edges. It removes noise while preserving detail, and can be useful for removing dust from a scanned image.

- Gaussian Blur - Smooths transitions by averaging pixels next to hard edges of defined lines and shaded areas in a picture. By checking Blur Picture and/or Blur Mask, you can apply this filter separately to pictures and their alpha masks..

- Unsharp Mask - Compares pixel values in a defined area to the specified threshold value. If a pixel has a lower contrast value than the threshold value, its contrast is increased.

- Find Edges - Outlines the edges of a picture with dark lines against a white background.

- Solarize - Blends negative and positive areas of a picture, producing a photographic solarization effect. To use the Solarize dialog box, enter a Threshold value in the field or drag the slider. The value specifies which pixels to modify - those with values lower than the threshold are considered negative and those with values higher than the threshold are considered positive. The pixel values are then inverted.

- Diffuse - Shuffles pixels so the picture looks less focused.

- Emboss - Makes areas of the picture appear raised or stamped.

- Embossing Effects - When the Emboss filter is applied, you can specify the direction from which to raise or stamp the picture using the Embossing Effects filter. Click the directional arrows in the Embossing Effects dialog box to apply different directions. For example, clicking the upper-right arrow might specify that when you pushed a stamp onto an object, you pushed slightly to the right, smearing the stamp in that direction.

- Edge Detection - Displays only edges of the picture, suppressing the remaining colors. The Edge Detection dialog box provides two mathematical methods for determining edges: Sobel and Prewitt. The Sobel method might be more precise because it considers more surrounding pixels in its calculations.

- Trace Contour - Thinly outlines the transitions of major brightness areas for each color channel, producing a black-and-white outline of the picture. You have the option to invert the results as well.

- Add Noise - Applies random pixels to a picture to simulate pictures shot using high-speed film. The filter applies an even pattern to shadow tones and midtones while adding a smoother, more saturated pattern to the picture's lighter areas.

- Median - Reduces or eliminates the look of motion on a specified region of a picture. The effect searches pixels of similar brightness, and replaces the central pixel with the median brightness value of the searched pixels; pixels that differ significantly from adjacent pixels remain unaffected.

You can use the following adjustments to apply color corrections to the image:

- Levels - To brighten highlights, compress shadows, and adjust midtones individually.

- Curves - To make precision tonal adjustments to lighten or darken a picture. Instead of limiting adjustments to shadows, highlights, and midtones, you can adjust any point along a scale of 0% to 100% (for CMYK and grayscale) or 0 to 255 (for RGB). The precise nature of this tool requires more experience and knowledge than using the Levels effect.

- Brightness/Contrast - To adjust the tonality of every pixel instead of individual channels.

- Color Balance - To remove unwanted color casts or correct over saturated or under saturated colors. This effect changes the overall mixture of colors in a picture for generalized color correction.

- Hue/Saturation - To adjust the overall color intensity and light in a washed-out or muted picture, but is generally used as a special effect. The picture's current

hue (color cast), saturation (intensity), and lightness (degree of white light) are expressed as zeros by default.

- Selective Color - To increase or decrease the amount of process color in each of the primary colors in a picture. For example, if an apple is too purple, you can take cyan out of the areas that affect red.

- Gamma Correction - To adjust the white point. Adjusting the white point controls the brightness of the picture's display on screen. To use the Gamma Correction dialog box, adjust the midtones by entering a new value in the Gamma field or by dragging the slider. A higher value produces a darker picture, overall.

- Desaturate - To convert a color picture to a black-and-white picture while leaving the color mode and lightness value of each pixel unchanged. For example, it assigns equal red, green, and blue values to each pixel in an RGB picture to make the picture appear grayscale.

- Invert - To invert the gray values of each channel in a picture.

- Threshold - To convert color pictures to black and white, without using gray.

- Posterize - To modify the tonal levels for each channel in a picture to produce special effects.

As you apply effects to the selected image, you will see the effects immediately in the layout. You can rearrange the order in which the effects are applied as well as delete any you do not want. Once you have specified the effects for the selected picture, you can copy the set of attributes and apply them to other image. You can save the picture with or without the picture effects applied.
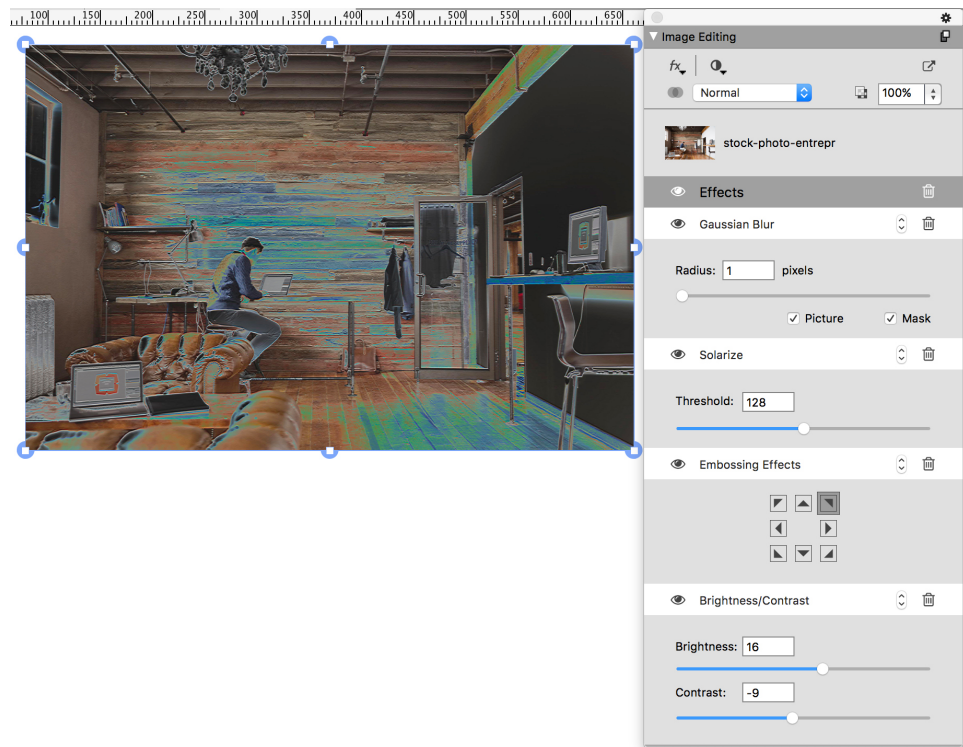
Transparency blend modes

QuarkXPress introduces support for transparency blend modes. Blending modes let you vary the ways that the colors of objects blend with the colors of underlying objects.

You can apply blend modes to boxes, frames, images, text and lines:

- Using the **Colors** palette (**Window > Colors**).

- Using the **Image Editing** palette (**Window > Image Editing**).

- Using the **Home**, **Picture Box**, **Text** and **Frame** tabs of the **Measurements** palette
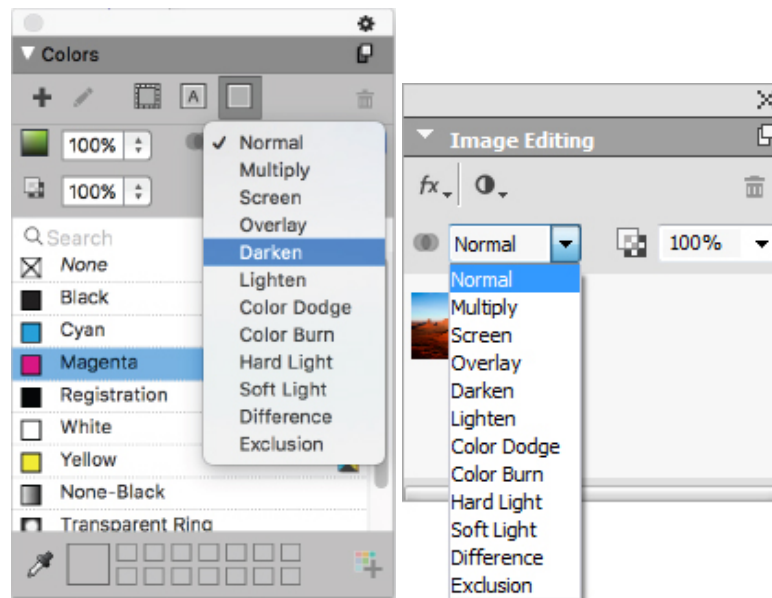
You can apply the following blend effects:

- **Normal**: This will never change the color values of both top and bottom objects. This is the default mode

- **Multiply**: When the **Multiply** blend mode is applied to the top object, each color pixel of the top object will be multiplied with each color pixel of the bottom object.

- **Screen**: When the **Screen** blend mode is applied to the top object, the color pixels of both the top and bottom objects will first be inverted, and then be multiplied, and then resultant color pixels will be inverted. The resulting color is usually a lighter color.

- **Overlay**: This is a combination of the **Multiply** and **Screen** blend modes. Lighter colors become even lighter and dark colors become even darker, depending on the color of the bottom object in overlapped areas.

- **Darken**: Lighter pixels in overlapped areas will become darker.

- **Lighten**: The **Lighten** blend mode is the opposite of the **Darken** blend mode; Darker pixels in overlapped areas will become lighter.

- **Color Dodge**: The color of the bottom object will become lighter, depending upon the color of the top object.

- **Color Burn**: The color of the bottom object will become darker, depending upon the color of the top object.

- **Hard Light**: The **Hard Light** blend mode is a combination of the **Multiply** and **Screen** blending modes.

- **Soft Light**: Darkens or lightens the colors, depending on the color of the bottom objects. The resultant color is brighter if the color of the bottom object is less than 50% of gray values. The resultant color is darker if the color of the bottom object is more than 50% of gray values.

- **Difference**: Subtracts the brighter color value of the object with another object color irrespective of the stack order.

- **Exclusion**: This is similar to the **Difference** blend mode with lower contrast.
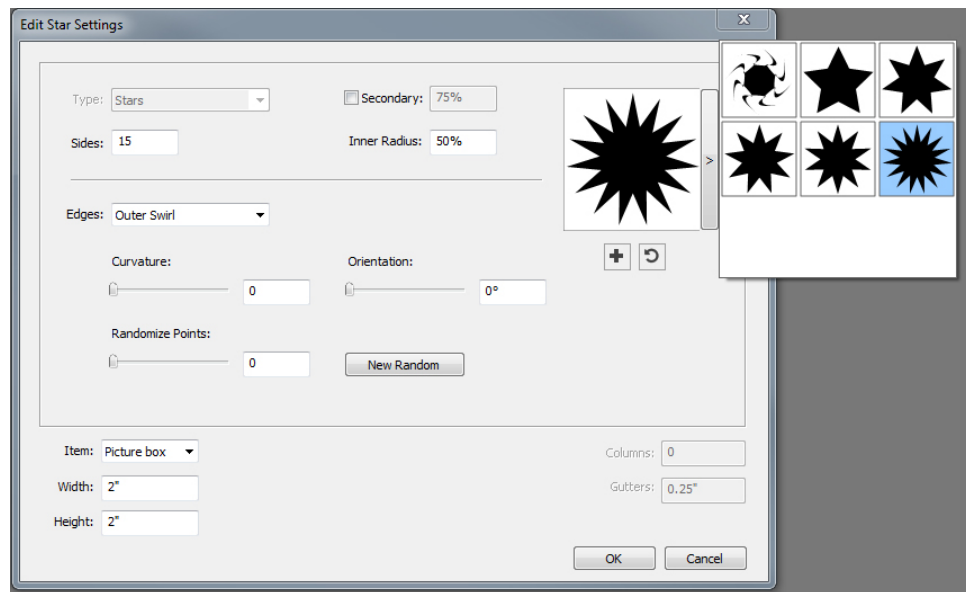
New shape tools

The following new Shape tools have been added to the QuarkXPress tool palette that allow you to quickly and easily create different shapes:

- Star tool

- Polygon tool

- Rounded Rectangle tool

- Diamond tool

- Triangle tool

- Wave tool

- Spiral tool

- Cloud tool

You can edit the default shape attributes and save defined shapes to use over and over.

Enhancements to multi-color gradients

Multi-color gradients have been enhanced to support the following:

- You can now create multi color gradients using **Diamond** and **Rectangular** blend types. Previously only two colors were allowed for these blend types.

- Gradients can be applied to box frames.

- Gradients can be applied to lines.

- Gradients can be added to the list of project colors, allowing you to reuse them.
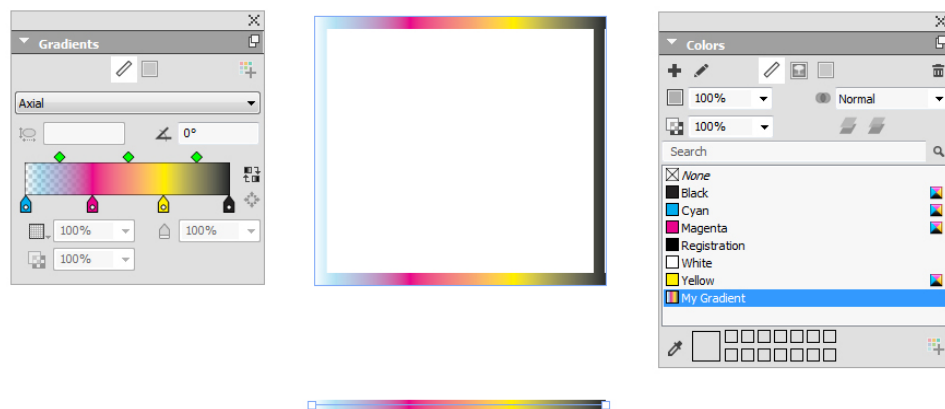
Item format painter

The new **Item Format Painter** tool ✐ allows you to copy all attributes that have been applied to an item and apply them to any other item. The **Item Format Painter** works across all layouts in the same project, allowing you to copy attributes from one item to another on the same layout, or to an item on a different layout.

The tool will retain the attributes you have copied until you select another item tool or a blank space on the canvas, allowing you to select as many boxes as you wish and apply these attributes over and over.

Typography and text

The following changes have been made, enhancing the typography and text features of QuarkXPress:

Text Stroking
QuarkXPress allows you to draw an outline (or stroke) around individual text characters.


You can define the color, width and type of join of your strokes. You can define a text stroke as part of a character or paragraph style sheet.

Text Shading
QuarkXPress has added a new palette and a new tab to the **Measurements** palette to allow you to apply text shading to an entire paragraph or just a selection of text within a paragraph.
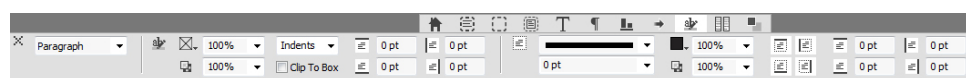
The new **Text Shading Styles** palette contains controls allowing you to add, edit, and delete text shading styles
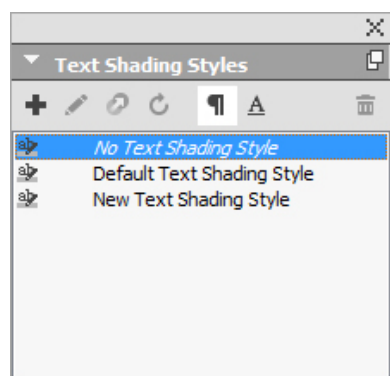
You can also use the new text shading styles within style sheets (both paragraph and character).

Column flow

QuarkXPress now offers the ability to set column flow attributes on selected text to specify how text flows in relation to columns.

You can set the column flow using the **Column Flow** tab of the **Measurements** palette, or on Windows by using the new **Column Flow** tab of the **Paragraph Attributes** dialog (**Style > Formats**). These tabs contain controls allowing you to set column flow attributes on the currently selected text.

➡ A column block is any span/split column paragraphs that have similar column flow attributes applied.
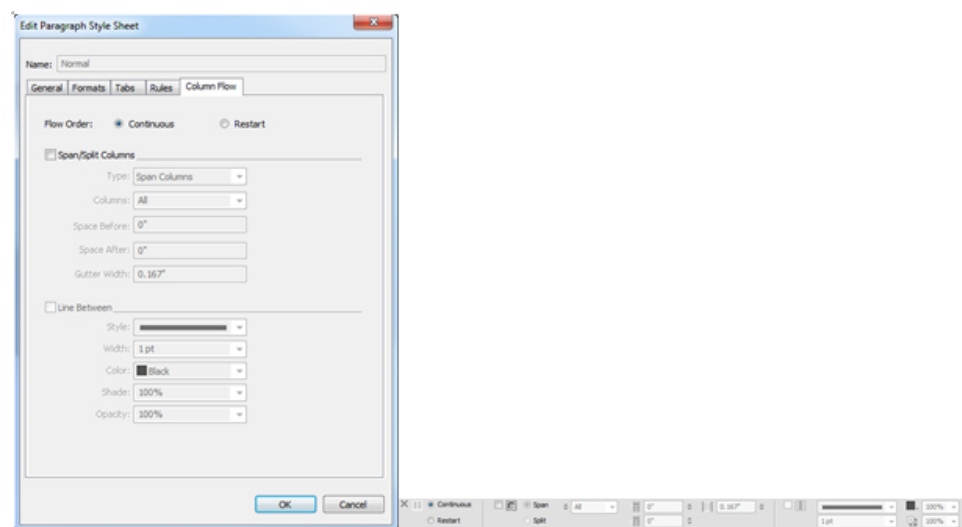
The column flow capabilities include:

- **Split Columns**: In a single column text flow you can now split selective text into multiple columns. You can use the Split Columns option to achieve a multi-column effect on selected paragraphs in a single-column box.

- **Span Columns**: If you already have a text flow in multiple columns, you can select a paragraph (or more) to span across multiple columns.

- **Line between**: If you have two or more split columns, this enables you to add a line in between them.

- **Restart/Continuous Flow Order**: Select **Continuous** (the default flow order) to leave the selected paragraph in its original column or **Restart** to move the paragraph to the start of the column block. The **Restart** option can be selected either independently or along with the **Span Columns** option. When choosing **Restart**, the text in the paragraphs before the selected paragraph will be rebalanced among the columns.

- **Spacing between column blocks**: If a column block has multiple paragraphs, then **Space Before** will be taken from the first paragraphs and similarly **Space After** will be taken from the last paragraph of the block.

➡ If **Space Before** and/or **Space After** attributes are specified in both the **Paragraph Attributes** and the **Column Flow** tabs of the Measurements palette, the larger value will be applied, they will not be added.

Non-breaking text attribute

QuarkXPress lets you apply a non-breaking attribute on selected text and the text will not hyphenate or wrap. You can also choose to highlight all text that has the non-breaking attribute applied to it.

Merge text boxes

You can merge selected text boxes and retain the text flow in correct order, using a new menu option (**Item > Merge Text Boxes**). You can choose to merge the boxes in a top down order or in the order in which the boxes were selected.
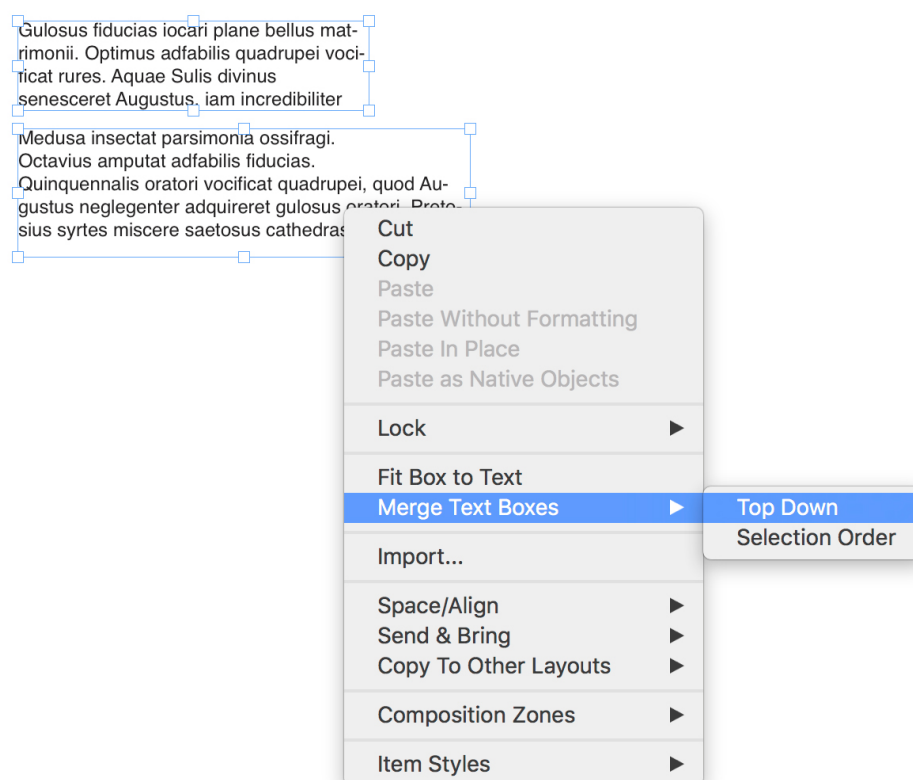
Line between columns

QuarkXPress give you the capability to apply a line between two or more columns.

Proportional Leading

QuarkXPress now supports proportional leading to specify the leading value in terms of percentages (between -100% and 5000%). When you specify the leading in a percentage, the line spacing value for each line in the paragraph will be calculated as the sum of the proportional leading percentage of the font size of the tallest character in each line of the paragraph plus the font size of the tallest character. For example:

with a 12pt size and 50% leading, if the tallest character of a line is 12pt, then the leading is going to be 18pt for the same line.

Enhanced smart quotes and the addition of smart dashes

Smart quotes enhancements: You can now specify default single and double quotes in Preferences. You can also select different language/region specific smart quotes at the application level. The Word/Text import will automatically honor these smart quote settings.

Smart Dashes support: The new Smart Dashes preference is introduced to convert two consecutive hyphens into an Em Dash while typing in a layout. You can turn this off by going to **Preferences -> Input Settings** and check the box for **Smart Dashes**. The setting is On by default.
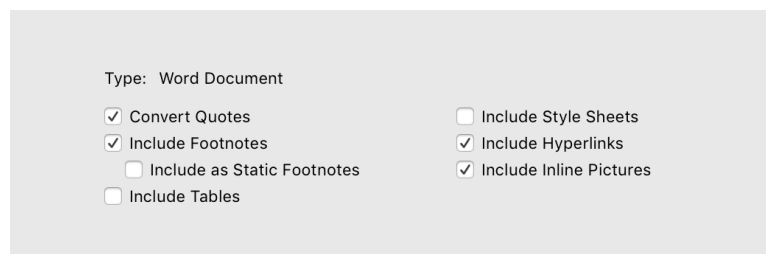
Enhanced link/unlink tool

The link/unlink enhancements allows you to link text boxes with two or more stories. When linking or unlinking boxes, use the **Alt/Option** modifier key to maintain the text in their respective boxes. When unlinking boxes use the **Shift+Option** modifier to move the box out of the text chain with its text.

Enhanced Word import including Word table importing

QuarkXPress has enhanced the Word import filter to add options to include/exclude footnotes, tables, style sheets, hyperlinks and inline pictures. You can also choose to convert quotes when you import a Word document.

Tables are imported as legacy tables, allowing you to edit them in QuarkXPress.

Type: Word Document

☑ Convert Quotes   ☐ Include Style Sheets
☑ Include Footnotes   ☑ Include Hyperlinks
   ☐ Include as Static Footnotes   ☑ Include Inline Pictures
☐ Include Tables

Check **Include as Static Footnotes** to include any footnotes that the imported Word document contains as plain text footnotes. If this box is not checked the footnotes will be imported as dynamic QuarkXPress footnotes.

General

QuarkXPress 2017 also includes the following new features and enhancements:

Adaptive layout conversion
QuarkXPress has extended the layout automation features by introducing adaptive settings to allow you to convert layouts to different sizes. This allows you to convert a print layout to a digital layout with different page sizes. The adaptive settings will help minimize the manual adjustments needed by automatically resizing the boxes and adjusting the content with simple design rules. You can also resize print layouts from one size to another (for example from US letter to A4, or any custom size).

You can apply adaptive scaling in the following ways:

- When duplicating a layout (**Layout > Duplicate**). This is supported when duplicating a layout from:

    - Print to Print

    - Print to Digital

    - Digital to Digital

- By using the **Layout Properties** dialog (**Layout > Layout Properties**) to resize the current layout.

➡ This method is currently supported for **Print** layouts only.

Check **Apply Adaptive Scaling** and click **Options** to display the **Adaptive Scaling** dialog.

➡ The **Scale** palette also provides the same configuration as the **Adaptive Scaling** for more customizable scaling.
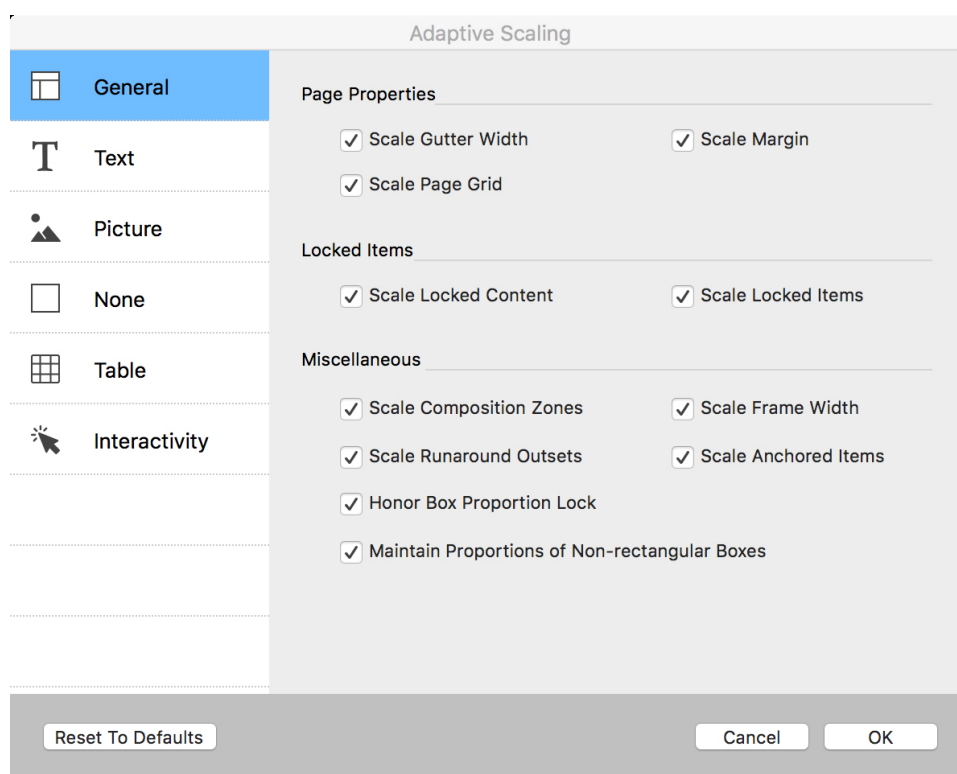
Enhanced convert to native objects

The Convert to Native Objects feature has been enhanced to allow you to save the converted images to disk. when converting to native objects or pasting as native objects, you will see an additional option for **Link Raster Images**. This will save all raster images to disk as a raster PDF in same location as your project file. The PDF images will retain their resolution, color model and color profiles.
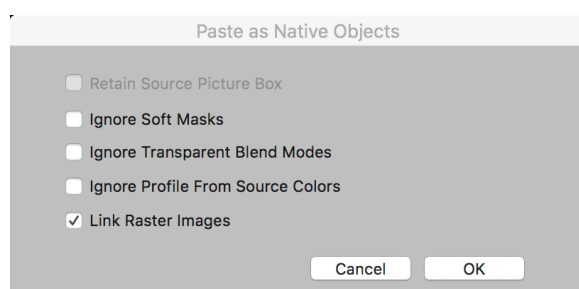
Mac and Windows UI enhancements

New theme on Mac OS X: QuarkXPress on Mac introduces new themes called **Light Gray** and **Gray**. These themes give a new modern look with flat icons and buttons all over the application. By default, the application is set to use the new **Gray** theme. You can switch the themes using QuarkXPress preferences.

Windows UI enhancements: QuarkXPress 2017 introduces several UI enhancements, including:

- HiDPI screens are fully supported.

- Context Menus are optimized, lists have been shortened to allow you to find relevant options quickly.

- The ability to drag palettes in and out of a palette group.

Enhanced cursor key movement

Several of QuarkXPress's palettes, including the **Measurements** palette, have been enhanced to support cursor key increments/decrements. With this enhancement, you can easily make minor adjustments for various attributes using the arrow keys on the keyboard. The modifier keys will additionally support switching higher/lower values.

Font listings

Font listings in QuarkXPress now show the most recently used fonts. The recently used fonts will appear at the top of the font list and accessible in all dialogs and palettes where font listing is available. In **Preferences**, you can specify how many fonts will be remembered (up to 20).

Find/Change enhancement

Find/Change now allows you to set a preference on how many recent searches to keep. To disable this feature, please set the value to "0" (zero).

Cross References enhancement

The cross-referencing feature has been enhanced to support text anchors.

Direct access to Quark Cache Cleaner

(Mac OS X only): The Quark Cache Cleaner tool now can be called from QuarkXPress directly. On Mac OS X the Quark Cache Cleaner option is available under the **QuarkXPress** menu. This tool can also be launched from the context menu of the QuarkXPress 2017 dock icon even when QuarkXPress is not running.

(Windows): You can find Quark Cache Cleaner in the tools folder inside the QuarkXPress application folder.

Single app bundle on Mac OS X

QuarkXPress on Mac is now a single bundle app. You can simply drag and drop a single file to the `Application` folder. In order to make this possible, all the supporting folders, including the default XTensions, are now internal and have been moved inside the self-contained app bundle. QuarkXPress 2017 will load third party XTensions from the following two locations:

- `~/Library/Application Support/Quark/QuarkXPress 2017/XTensions`
- `/Library/Application Support/Quark/QuarkXPress 2017/XTensions`

➡ If the XTension is placed in the main library path, it will be available to all the users on that Mac. However, if deployed in the user's library path, the XTension will only be available to that user. If the same XTension exists in both these locations, then the one in the user's library location will be given preference.

➡ The `XTensions Disabled` folder is deprecated in QuarkXPress 2017 and will not be supported. The disabled XTensions will be recorded in the following file:

```
~/Library/Application Support/Quark/QuarkXPress 2017/
XTSettings.plist
```

Save a Copy As / Downsaving

Save a Copy As/Downsaving can be called from QuarkXPress directly. This option is available on the **File** menu.

OpenType Stylistic Sets Enhancements

QuarkXPress now supports 33 OpenType stylistic sets.

```
~/Library/Application Support/Quark/QuarkXPress 2017/
XTSettings.plist
```

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