

The KView Handbook

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Abstract

KView is an image viewing program. It is small and fast and has some simple image processing commands. You can work with many different graphic file formats and convert your images to them. KView is not a fully-fledged image processor but it is sufficient for many of your everyday tasks.

Chapter 1

Introduction

KView is an image viewer for the KDE desktop. You can view graphics of many different formats such as PostScript®, TIFF etc. By saving your files in a different format than the original you can easily convert images to other graphics formats. In addition, KView provides some nice little features for doing simple image processing, like stretching/shrinking, rotation and applying effects. You can arrange your images in a little slideshow.

Chapter 2

Menu Reference

When you start KView you see the typical application layout: a workspace containing your documents (images in this case), a menubar that provides access to the various commands, a toolbar with shortcut buttons for some of them and a status bar at the bottom to display status messages. When you have the loaded an image into KView, there is also an additional context menu available which is displayed by clicking your right mouse button over the image. Below, all menu entries are explained in the order that they appear in the menubar.

2.1 The File Menu

File → **Open... (Ctrl+O)** Opens a new image in KView. The size of the KView main window and the image after loading are determined by your settings. If you open several images, only the last one is shown, but all of them can be accessed using the image list.

File → **Open Recent** Displays a list of recently opened images. Selecting one from this list reopens the image.

File → **Save (Ctrl+S)** Save the current image.

File → **Save As** Saves the image under a different name. By choosing a new file format you can convert the image to a different graphics type.

File → **Print... (Ctrl+P)** Prints the image. In the standard KDE print dialog click the Options » button, go to the tab Image Settings. Select Fit image to page size or Center image on page.

File → **Close (Ctrl-W)** Closes the currently displayed image.

File → **Quit (Ctrl+Q)** Quits KView. If you have several KView images open, all of them are closed.

2.2 The Edit Menu

Edit → **Copy (Ctrl+C)** Copies the entire image or the selection to the clipboard.

Edit → **Paste (Ctrl+V)** Paste the contents of the clipboard as a new image (only available, if the clipboard contains a valid image).

Edit → **Crop (C)** If you have selected any part of the image (by drawing a box around it using your mouse) you can cut off all the rest around it by using this option. Your image is effectively reduced to your selection.

Edit → **Reload (F5)** Reloads the image to its original state (right after opening it).

Edit → **Delete (Shift+Delete)** Deletes the image.

Edit → **Flip** → **Vertical (V)** Flips the image along the vertical. Mathematically, this does a reflection along the image's horizontal center line.

Edit → **Flip** → **Horizontal (H)** Flips the image along the horizontal. Mathematically, this does a reflection along the image's vertical center line.

Edit → **Rotate Counter-Clockwise** Rotates the image by 90° in the counter-clockwise direction.

Edit → **Rotate Clockwise** Rotates the image by 90° in the clockwise direction.

2.3 The Effects Menu

KView provides some functions for simple image processing:

This menu item is only displayed in the menubar, if you choose the application plugin effects in KViews configure dialog

Effects → **Gamma Correction...** Adjusts the gamma factor.

Effects → **Blend Color...** Blends the image to selected color and opacity

Effects → **Change Intensity (Brightness)...** Changes the brightness of the image. Enter the new brightness in percent (with respect to the *initial* value).

2.4 The View Menu

View → **Zoom In (Ctrl++)** Enlarges the image by ten percent. Notice that this refers to the *current* size of the picture.

View → **Zoom...** Opens a list to choose the zoom factor. This value is given in percent and always refers to the *initial* size of the picture.

View → **Zoom Out (Ctrl+-)** Reduces the image size by ten percent. Again this refers to the *current* size of the image.

View → **Fit Image to Window** Maximizes the image size. The image is scaled to the window size, keeping the aspect ratio.

2.5 The Go Menu

This item is only displayed in the menubar, if you choose the application plugin presenter in KViews configure dialog

Go → **Image List...** Displays a list of the currently loaded images. You can flip through the images by either double-clicking on them or using the Previous and Next buttons. Shuffle rearranges the images in a random order. Pressing Start Slideshow will start the slideshow with the current settings for the interval. In addition, you can save and load your image list using the corresponding buttons. Slideshow interval: Here you can change the interval between the different slides for the slideshow.

Go → **Start/Stop Slideshow (S)** Starts or stops the slideshow.

Go → **Previous Image in List (Alt+Left Arrow)** Switches to the previous image in the list.

Go → **Next Image in List (Alt+Right Arrow)** Switches to the next item in the list.

2.6 The Tools Menu

Tools → **Scan Image...** Opens images from your scanner into KView. This menu item is only displayed in the menubar, if you choose the application plugin scanner in KViews configure dialog

Tools → **Back (Shift+Left Arrow)** Switches to the previous image in the current folder.

Tools → **Forward (Shift+Right Arrow)** Switches to the next image in the current folder.

2.7 The Settings Menu

This menu provides options for configuring KView, changing its appearance, shortcuts and standard behavior.

Settings → **Show/Hide Menubar (Ctrl+M)** Toggles the menubar on/off.

Settings → **Toolbars** → **Main Toolbar (KView)**, **Settings** → **Toolbars** → **Extra Toolbar (KView)**
Toggles the main toolbar and the extra toolbar on and off respectively

Settings → **Show/Hide Statusbar** Toggles the status bar on/off.

Settings → **Show/Hide Scrollbars** Toggles the Scrollbars on/off.

Settings → **Fullscreen Mode (Ctrl+Shift+F)** This option maximizes the KView window and the currently shown image so you can have a closer look at it. Even the window decorations (titlebar etc.) are temporarily removed. Selecting this option once again switches back to normal mode.

Settings → **Configure Shortcuts...** Opens a dialog for changing the key bindings. Using this option you can change the standard key shortcut for KView's commands or create new ones.

Settings → **Configure Toolbars...** Opens a dialog for configuring the toolbar. You can add and remove toolbuttons for KView's commands with this option.

Settings → **Configure KView...** Opens a dialog for changing some options as described in the section chapter 4

2.8 The Help Menu

Help → **KView Handbook (F1)** Invokes the KDE Help system starting at the KView help pages. (this document).

Help → **What's This? (Shift+F1)** Changes the mouse cursor to a combination arrow and question mark. Clicking on items within KView will open a help window (if one exists for the particular item) explaining the item's function.

Help → **Report Bug...** Opens the Bug report dialog where you can report a bug or request a 'wishlist' feature.

Help → **About KView** This will display version and author information.

Help → **About KDE** This displays the KDE version and other basic information.

Chapter 3

Command Line Options

KView can be started directly from a terminal like Konsole or xterm. Several command line options are available.

kview --help Lists the command line options (see below).

kview --help-qt Shows the options specific to Qt™ (the GUI library that KDE is based on).

kview --help-kde Shows the KDE-specific options.

kview --help-all Displays all command line options.

kview --author You want to send your warm wishes and euphoric cheers to someone? Here they are!

kview -v, --version Displays the version number of KView (and that of Qt™/KDE).

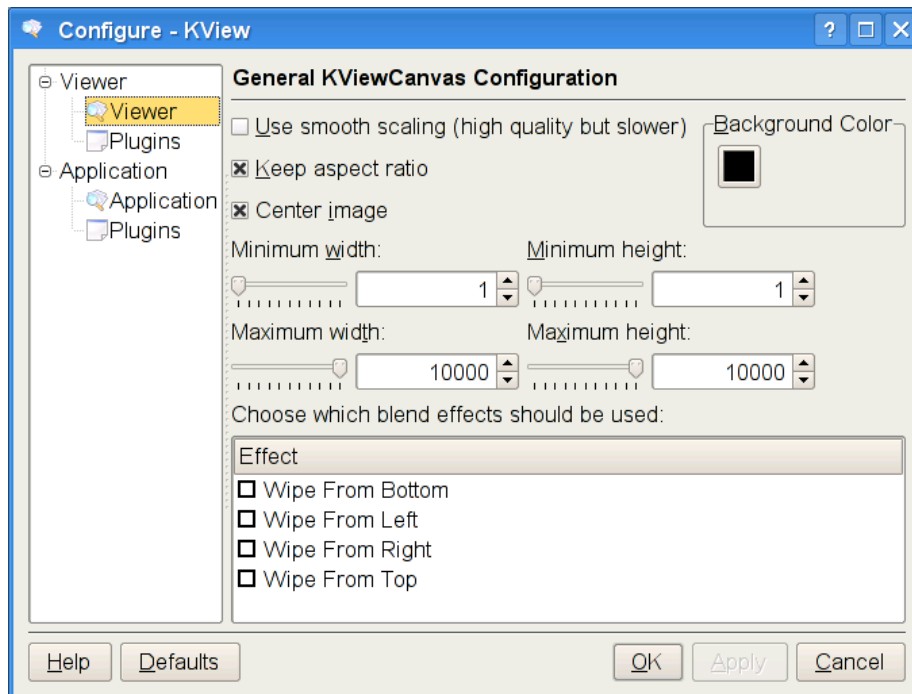
kview --license Shows under which licenses KView is being published.

Chapter 4

KView Options

4.1 Viewer

This is the configuration for the part of KView that can be reused by other applications (meaning that the settings will also affect the KView part that gets embedded into Konqueror or other applications).



GENERAL CONFIGURATION OPTIONS FOR KVIEWCANVAS

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Use smooth scaling (high quality but slower) As the option suggests, use a very high quality but relatively slow method of scaling images.

Keep aspect ratio If this is checked KView will always try to keep the aspect ratio. That means if the width is scaled with a factor x , the height is scaled with the same factor.

Center image If checked, the opened image will be displayed centered to the KView window.

Background Color Opens a normal KDE color picker dialog, where you can choose the background color for the image

Minimum width: The width of the image shown will not get smaller than the size you enter here. A value of 10 would cause a 1x1 image to be stretched horizontally by a factor of 10.

Maximum width: The width of the image shown will not get bigger than the size you enter here. A value of 100 would cause a 1000x1000 image to be compressed horizontally by a factor of 0.1.

Minimum height: The height of the image shown will not get smaller than the size you enter here. A value of 10 would cause a 1x1 image to be stretched vertically by a factor of 10.

Maximum height: The height of the image shown will not get bigger than the size you enter here. A value of 100 would cause a 1000x1000 image to be compressed vertically by a factor of 0.1.

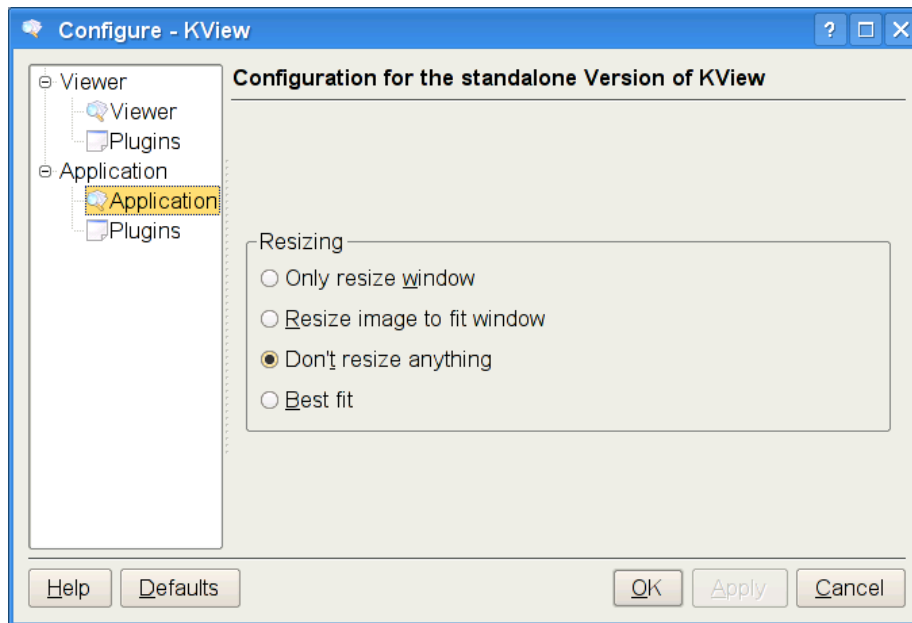
Choose which blend effects should be used: Every effect selected may be used to create a transition effect between the images. If you select multiple effects they will be chosen randomly.

CHOOSE AND CONFIGURE YOUR PLUGINS

Browser Here you can enable/disable use of the browser KView plugin, which enables you to browse through all the images in the current folder.

4.2 Application

Here you can set options that are special for the KView application when running stand-alone. What you change in here will not affect other applications.



APPLICATION

Resizing This option determines if the window and/or the image will be resized after loading a new picture into KView. With Only resize window enabled, the KView window will be resized so that it snugly fits around the loaded image. Notice that this can reduce the main window almost to a vertical arrangement of menu entries if you load a small button pixmap (you can resize the window afterwards in the usual way, of course). If your image is pretty large (in terms of pixels), sometimes the KView window is resized in such a way that the caption bar completely moves off your screen. Similarly, Resize image to fit window resizes the image to fit into the KView workspace (keeping its aspect ratio intact). And with Don't resize anything as your choice, both KView and your image keep their size. With Best fit KView will resize the window to fit the image. The image will never be scaled up but if it is too large for the screen the image will be scaled down.

PLUGINS

Effects Provides some image effects (and adds an Effects to the menubar to give you access to them).

Presenter Creates an image list and enables you to create a slideshow.

Scanner Adds Scan Image... to the Tools menu to open images from your scanner into KView.

Chapter 5

Credits and License

KView

Program copyright 1997-2001 Sirtaj S. Kang taj@kde.org

KParts integration by Simon Hausmann shaus@neuro2.med.uni-magdeburg.de

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Appendix A

Installation

A.1 How to obtain KView

KView is part of the KDE project <http://www.kde.org/> .

KView can be found in the kdegraphics package on <ftp://ftp.kde.org/pub/kde/> , the main FTP site of the KDE project.

In order to compile and install KView on your system, type the following in the base directory of the KView distribution:

```
% ./configure
% make
% make install
```

Since KView uses **autoconf** and **automake** you should have no trouble compiling it. Should you run into problems please report them to the KDE mailing lists.

A.2 Requirements

Since KView is part of the KDE desktop you need a working KDE installation to use it. However, some additional libraries are needed by KView to use the various graphics file formats. For example, to handle the PNG format KView needs the corresponding library libpng. KView uses the libraries that are registered by kdelibs/kimgio.