

SuperDriver Help Index

SuperDriver is a printer driver that uses Zenographics' SoftRIP technology. This allows faster printing of complex graphics and bitmaps, efficient multitasking for smooth background printing, and the use of scalable *on-the-fly* printer fonts.

This Index lists all the available Help topics for the Tektronix 4697 ColorQuick printer. Use the scroll bar to see entries not currently visible in the Help window.

To learn how to use Help, press F1 or choose Using Help from the Help menu.

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Configuring the ColorQuick Printer

To configure SuperDriver for ColorQuick Printers:

1. Double-click on the **Control Panel** icon in Program Manager.
2. Double-click on the **Printers** icon.

The **Printers** dialog box displays.

3. Choose ColorQuick SuperDriver from the Installed Printers box.
4. Choose **Configure...** and select the port to which your ColorQuick is connected.
5. Choose **Setup...** to display your printer's SuperDriver hardware configuration options.

Refer to the Printer Setup Help screen for further information.

6. Return to the **Printers** dialog box.
7. Click on **Active** in the Status box to make your printer active.

NOTE: If the ColorQuick does not display as the default printer in the Default Printer box, double-click on the ColorQuick SuperDriver line in the Installed Printers box.

8. Click on **OK** to confirm your printer's configuration.

You return to the **Control Panel**.

Printer Setup

The SuperDriver **Printer Setup** dialog box contains hardware options that you can set for your Tektronix ColorQuick model.

Printer Model

Model 4697 ColorQuick is the only available selection.

NOTE: This selection causes some list boxes to change or become grayed (unavailable).

Paper Size

Select the correct paper size from the available choices.

Paper Source

Grayed.

Media Type

Lets you select paper or transparency. The **Transparency** setting produces a more vivid image. Make sure you select the material that is in your printer at the time you begin to print.

Orientation

Determines the direction in which print displays on a page: portrait or landscape.

Copies

Lets you specify how many uncollated copies you want to print. For single-page documents, it's usually best to designate copy count in SuperDriver's **Printer Setup** box.

Many Windows applications let you select specific options: copy count, collated copies, etc. These options are important when you send multi-page documents to print. Refer to the SuperDriver section of your manual for more details on **Copies**.

Fonts

If you choose **Fonts...** from the **Printer Setup** dialog box, the SuperText main window displays. Refer to your manual or to SuperText's on-line Help for more information.

Options

If you choose **Options...** from the **Printer Setup** dialog box, the following settings display: **Output Options**, **Multitasking**, **SuperQueue**, and **ProcessingOptions**.

Output options

Output options control the way data is sent to your output device. Your choices include: **Reverse Order**, **Compression**, **High-speed direct LPT**, and **Precision Print**.

Reverse Order changes your printer's output order when you use a Windows application that generates multiple-page output. It causes this printer to print pages in opposite sequence (last page first).

NOTE: It is better to set the **Reverse Order** option in your Windows application if it is available. The option will cancel out if it's set for both the application and SuperDriver.

Compression speeds the transmission of data and reduces printing time. You may want to turn **Compression off** to improve your throughput when your image is composed largely of natural images (bitmaps).

High-speed direct LPT is grayed for the ColorQuick printer

Precision Print prints a higher quality output at a slower rate. One print line at a time (normal is 24 lines) is sent to the printer to help eliminate "banding."

Multitasking.

Multitasking controls the amount of processor time SuperDriver gives to other Windows functions. Choose one of the following:

- **Often** (after every scanline) when you're using SuperQueue for background printing and want the smoothest possible foreground performance.
- **Sometimes** when you want fast printing with light foreground activity (such as data or text entry).
- **Rarely** (after every 255 scanlines) when you want SuperDriver printing to proceed at top speed. This setting can cause "chunky" foreground performance.

SuperQueue option

Queue for Later causes your application to create SuperMetafiles for later printing with SuperQueue. Use SuperQueue instead of Windows' Print Manager to print files in the background or batch (delayed) mode. SuperQueue can do the following: accept your application program's output faster, return control to you faster, and print faster than Print Manager. Refer to Chapter 5 in your manual for more information about SuperQueue.

Processing options

Show Status Window lets you disable the SuperDriver Status pop-up window that displays when SuperDriver is printing.

Report 0 Margins should be **off** for most applications that use a page's normal margins. If you find that output images are printing clipped, turn the **Report 0 Margins on** and reprint.

Dithering Options

Ordered Dither Pattern

Dithering refers to the patterns in which halftone dots are placed on a page to form shades of gray or colors. Dithering works by clustering individual printer dots into "cells." Smaller cells give you greater detail with fewer gray levels. Larger cells can simulate more gray levels at the expense of some of the finer details.

Ordered Dither Pattern

Ordered dithering arranges the cells at a constant angle in relation to each other. SuperPrint lets you set four different cell sizes for dithering:

- **2x2** gives you a sharper look when printing object graphics with large areas of single colors (such as a business graph).
- **4x4** gives you better color or grayscale depth for printing natural (bitmap) images.
- **8x8** gives you better color or grayscale depth, especially if you intend to photocopy your output.
- **Default** lets SuperDriver select the general-purpose dither pattern most suited for your ColorQuick printer.

Error Diffusion

Error diffusion refers to a method of dithering that takes into account the color or gray-level of the pixel being processed as well as the neighboring pixels. It eliminates the regular, visible patterns that characterize **ordered** dithering.

- **2-way** is a variation of the Floyd-Steinberg 4-way pattern; it takes two neighboring pixels into account, is faster, and usually looks just as good as 4-way.
- **4-way** is the Floyd-Steinberg standard filter takes four neighboring pixels into account.

NOTE: It is recommended that you try the 2-way pattern first.

Error diffusion can give an overall smoother look to graphics. It normally works best for scanned images or images printed at low printer resolutions (less than 300 dpi).

NOTE: You cannot select both **Ordered** and **Error diffusion** dithering; they are mutually exclusive.

Gray Levels

Gray levels are a contrast control that forces SuperDriver to restrict the number of gray shades produced. SuperDriver's default setting of 64 usually produces the most pleasing results. Refer to the manual for further information.