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 SuperDriver Help topics and procedures for Mitsubishi printers. 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.

Help Topics

Configuring Mitsubishi Printers

To configure SuperDriver for Mitsubishi 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 Mitsubishi SuperDriver from the Installed Printers box.
4. Choose **Configure...** and select the port to which your Mitsubishi 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 Mitsubishi active.

NOTE: If the Mitsubishi does not display as the default printer in the Default Printer box, double-click on the Mitsubishi 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 specific Mitsubishi printer model.

Printer Model

Make sure that you choose the correct Mitsubishi printer model. Your choice determines the options available in the rest of the **Printer Setup** dialog box.

NOTE: The contents of some list boxes can change or become grayed (unavailable) when you select a particular model.

Paper Size

Select the correct paper size from the available choices.

Paper Source

Grayed for Mitsubishi printers.

Media Type

Grayed for Mitsubishi printers.

Ribbons

This is grayed for the S340 thermal transfer sublimation printer. The Mitsubishi G370 or G650 color thermal transfer printers have the following ribbon options: 1-color, 3-color, or 4-color.

NOTE: Colors are applied to the page out-of-sync if the ribbon type setting in SuperDriver and the ribbon type installed in your printer do not match exactly.

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**.

NOTE: The S340 model has multiple full page buffers so it can produce "hardware copies." SuperDriver recognizes this hardware feature. Data with the copy count instruction is sent to the printer only once. The printer prints the specified number of copies on its own, freeing your computer.

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**, **SuperQueue**, **Processing**, and **Multitasking**.

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 **Draft Quality**.

Reverse Order changes your printer's output order when you use a Windows application that generates multiple-page output. It causes certain printers 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). This option is grayed for the S340 model.

NOTE: The G370 and G650 color thermal transfer printers save time by automatically compressing blank scanlines as they are received instead of running through them manually. This hardware feature **will not** work if **Compression** is switched ***on*** in SuperDriver.

High-speed direct LPT sends data directly to your hardware LPT port. It is ignored if your printer is not attached to a port beginning with LPT.

Turn **High-speed direct LPT *off*** if you are doing any of the following:

1. Printing over a network.
2. Using Windows' Print Manager.
3. Using Windows 386 enhanced mode.
4. Experiencing printing problems such as garbled graphics or a "hung" printer.

Draft Quality prints output more quickly in 150 dpi draft mode instead of the usual 300 dpi.

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.

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.

Dithering Options

NOTE: The S340 sublimation printer does not support any type of dithering. The option is grayed.

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." The smaller the cells, the greater the detail.

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 Mitsubishi models G370 and G650.

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.

- **2-way** takes two neighboring pixels into account.
- **4-way** takes four neighboring pixels into account.

Error diffusion can give an overall smoother look to natural image (bitmap) graphics where "banding" is a problem. It should not be used for vector graphics on these printers.

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.