Configuring *.INI Files

The HP DeskJet Configuration program (HPWCNFIG.EXE) allows you to modify settings in *.INI files simply by clicking check boxes.

When you click the OK button, the program updates the appropriate INI files with any changes you have made to the check boxes. After clicking OK, the program will prompt you to either Restart Windows or Return to Windows. You must restart Windows in order for the changes you have made to take effect.

The following topics are available:

JUMBO Technology
Scale Hatch Patterns
Adjust Print Region
Print Cartridge Query
Bi-directional Communication
Rectangle Capability

To exit the configuration program without making modifications to any *.INI files, click Cancel.

To set all check boxes to their default settings, click Default.

To print this or any other help topic, select Print Topic from the File menu.

JUMBO Technology

Default = ON (Checked)

When this box is checked, the printer driver will report to GDI that it is capable of doing certain optimizations that are specific to Windows Printing System compatible drivers.

Some applications and some 2-byte font drivers print incorrectly with these optimizations. If you notice problems with missing lines, lines being drawn when they should not be, or problems with 2-byte WIFE fonts drawn at incorrect character spacing, unchecking this box may help. However, unchecking this box may result in slower printing.

$ Scale Hatch Patterns

Default = ON (Checked)

When this box is checked, the printer driver scales Windows hatch patterns to approximate their appearance on the screen.

If this box is unchecked, the patterns will not have the same appearance as your screen.

Adjust Print Region

Default = OFF (Unchecked)

HP DeskJet 400 Printer only

When this box is checked, the printer driver adjusts the printable area of your printer to allow for a 0.5 inch bottom margin. This may cause data to be shifted on the page.

When this box is unchecked, the bottom margin is greater than 0.5 inches.

Print Cartridge Query

Default = ON (Checked)

The printer driver has an enhanced error detection mode that detects if the wrong print cartridge is installed, or the battery level (if your printer has a battery). This mode is only available when the printer is connected directly to your computer (not a network) with a Centronics interface cable.

Disable this option if you are unable to print, or you experience long delays before the printer starts printing. The problems may be due to a non-standard printer interface cable, a switch box connecting your computer to your printer, or some other device sharing the same printer port.

Bi-directional Communication

Default = ON (Checked)

When this box is checked, the printer driver will take advantage of the bi-directional communication capabilities of your printer.

Bi-directional communication allows the printer driver to obtain more information regarding the printers current state. When errors occur that require user intervention (such as, responding to an Out of Paper error), the printer driver can be more specific about the nature of the error and what you should do to fix the problem.

When this box is unchecked, the printer driver does not use the printers bi-directional communication capabilities. With certain hardware configurations, bi-directional communication may be either not possible and/or unreliable. With these configurations, you may wish to disable bi-directional communication to improve overall printer driver performance and reliability.

Examples of the above mentioned hardware configurations include:
•   Computers whose parallel (LPT) ports do not provide all the signals required for bi-directional I/O.
•   Switchboxes or cables in which all the required signal lines between the computer and the printer are not connected.
•   Inferior quality printer cables which introduce electrical noise or otherwise alter the characteristics of the signals between the computer and printer.
•   Smart switchboxes, spooling devices, or other devices that may alter the characteristics of the signals between the computer and printer.

Rectangle Capability

Default = ON (Checked)

When this box is checked, the printer driver will report to Windows that it is capable of drawing rectangles.

With certain applications, when drawing gradient fills (a gradual blending of one color to another) within a non-rectangular object (eg. a circle or triangle), incorrect drawing sequences are sent to the printer driver. You may observe this as dark streaks being drawn inside the object. Unchecking this box will resolve this problem. However, printing will be slower if you disable this option.

DOS Spooling

Default = ON (Checked)

This item applies to print jobs that are started from a DOS session within Windows.

When this box is checked, print jobs bound for printer ports that an HP DeskJet printer is connected to will be spooled.

You will observe two main benefits from DOS Spooling:
- quicker return to your DOS software program
- prevention of DOS print jobs interfering with Windows print jobs