Epson Stylus™ Series Printer Driver Disk For Windows™ 3.1 / Windows™ 95

Version 2.1B U (UK English)

The software on this disk is provided to allow you to get the highest quality printing from your Epson Stylus™ printer.

This README has the following sections:

1. Epson Stylus™ High Quality ESC/P 2 printer driver for Windows™ 3.1 / Windows™ 95:

1.1 Important Legal Information

Software called the Epson Stylus High Quality ESC/P 2 driver for Windows 3.1 / Windows 95 (the "Software") is provided "AS IS." NO IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE ARE GIVEN.

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1.2 Late-breaking news regarding your Windows driver
<u>1.2.1 User hints</u>
Printing is very slow
Check your Print Options settings in the Media/Options screen. If MicroWeave is selected, monochrome printing will be much slower than usual. (Color printing speed is not affected by MicroWeave). Deselect MicroWeave to increase print speed. If you are printing in monochrome, select MicroWeave only for presentation quality printing.

Other ways to speed up your printing include turning on High Speed mode, turning off halftoning, printing in monochrome instead of color, and printing in a lower resolution.

Windows 3.0

The driver does not support Windows 3.0. Please upgrade to Windows 3.1 or a later version.

EGA and CGA displays
The driver does not function properly with EGA and CGA displays.
Either use the standard Windows driver (available from Microsoft) or upgrade your monitor to VGA.

Freeing up memory
If you need to free up some additional memory when not printing, try closing the EPSON Spooler. Use Alt-Tab
to switch to the spooler and close it in the normal manner.

Image Settings image does not look good
The image provided works best with displays that support 256 colors or more.
Try changing your display driver (via the Control Panel) to display 256 colors or more. If your display adapter
supports only 16 colors and your display driver does not render the image well on screen, you can replace the
image with another of your own choice. Simply double-click on the image. You can then load in any .BMP file
which is 1-bit, 4-bit, or 8-bit type. (Note that if you try to load a 24-bit type .BMP file, you will get an
"Unsupported Format" error). Depending on the image you choose, the preview functions may not work.
If in the future you wish to return to using the Epson-provided image, you can load it by double-clicking the
image again. It is named EPSON.BMP and is stored in your Windows \SYSTEM subdirectory.

Dither options, Media Types, etc., cannot be selected
The driver limits the choices you can make to those which produce useful output. For example, if you select
720dpi, only the Diffused halftoning methods are available.

Color text does not print correctly
Use one of the Diffused halftone methods.

EPSON Spool Manager fails to print
Use the standard Windows Print Manager by checking the "Use Print Manager for this port" check box in the
queue setup dialog of the EPSON Spool Manager window.

"This driver cannot be updated because it is currently being used by Windows"
This error may occur if you try to reinstall the driver. Close the EPSON Spooler and try again.

First line near the top margin does not print correctly
When printing at 720dpi with MicroWeave turned on, the output near the top margin may be slightly distorted.
To avoid this problem, use your application program to lower the top margin position.

Microsoft Windows™ Printing System
When the EPSON Stylus Series printer driver and Windows Printing System are both installed in the Windows
95 system, printing problem may occur with both EPSON printers and Windows Printing System printers.
To avoid such problems, open the Properties window of each printer that is not being used and select "FILE
(creates a file on disk)" as the printer port setting.

1.2.2 Application notes
Micrografx Designer 4.0
Imported grayscale images may print as black due to a bug in Designer.
To print correctly, do one of the following:
 • Change your Ink setting to Color (if you have a color printer), or
 • Select a non-Diffused Halftone method, or
 • Set your video display adaptor to 256 color mode, or
 • Update your version of Designer

Adobe Photoshop 2.5
Printing to a file may cause a General Protection Fault. Upgrade to version 2.5.1. or above.

S3 video drivers
If your graphics card uses S3 chips, you may find that some parts of the driver do not display correctly on
screen. This does not affect printing. Contact the manufacturer of your card for a video driver update.

AmiPro 3.0
There is a possibility of a Gereral Protection Fault error when you try to print a large image file through AmiPro if the background printing feature is turned ON. If you encounter this problem, disable the background printing feature with the following procedure:

    1) Choose Tools/User Setup.
    2) Choose Options.
    3) Click "Print in Background" check box to clear up this option if it is turned ON (checked).

CorelDRAW! 5.0E2
If you experience a General Protection Fault Error or distorted print-outs when trying to print B/W or 2-color images with this version of CorelDRAW!, please try the following:

    1) Open CORELPRN.INI with a text editor. The CORELPRN.INI file is stored in the COREL50\CONFIG subdirectory for Corel 5.0 (i.e., C:\COREL50\CONFIG\CORELPRN.INI).
    2) Go to the section labeled: [Config]
    3) Find the following line: DumpEntireBitmap=1
       Change to read: DumpEntireBitmap=0
    4) Save and close the CORELPRN.INI file.
    5) RESTART CorelDRAW!.

Microsoft Excel 5.0
If your display adapter is set up to display more than 256 colors, you may experience ink bleeding when printing color charts or graphs in 720 dpi resolution. If you encounter this problem, try one of the following:

    • Set up your video adapter to display 256 or 16 colors only.
    • Print your Excel charts and graphs in 360 dpi resolution.

2. What's banner paper (Stylus 1500 only)

The banner paper is the paper which is longer than 44 inches length.
Every paper has the top and bottom margin because there would be area which couldn't be printed by mechanical limitation.

When you select "Manual Feed Slot (Banner)", the selected paper has no top and bottom margin. So you can get the printouts with no gap when print long paper continuously.

2.1 How to print on the banner paper
If your application software supports banner paper printing, always use the setting sin your application. However, if your application doesn't support banner paper, you can still print on banner paper following the steps below.

Note:
- Gaps may appear in the output depending on your application software. See your application's documentation.
- You can load banner paper from 210 mm to 432 mm wide into the manual feed slot.

a) Select "Manual Feed Slot (Banner)" as the Paper Source in the printer driver.

b) Choose a paper size from the Paper Size list in the printer driver that matches the document length setting in your application. If your document is longer than 44 inches, you will need to choose a paper size that is a multiple of your document length.

For example, if you are printing a document that is 66 inches long, choose Long Paper 17 x 33 in from the Paper Size list. The printer automatically multiplies the setting (33 inches) by 2 to match your document length.

Note:
- Select the largest possible multiple from the Paper Size list to minimize the occurrence of gaps in your printout.

- Make sure the paper size setting matches the length of your document; otherwise, gaps may occur in the printout.
- Set the top and bottom margin to their minimum settings as described in your application's documentation.

c) Click OK to close the printer driver. Then print from your application.

d) After you finish printing, you need to remove any remaining banner paper from the manual feed slot before turning off the printer. To remove banner paper, cut off the paper at the back of the printer where it enters the manual feed slot.Then press the Load/Eject button to feed the paper out of the printer.

3. Calibrating your printer

3.1 Running the calibration utility

TO GET THE HIGHEST QUALITY PRINTING YOU MUST CALIBRATE YOUR PRINTER!

The calibration utility is copied on your hard-disk by SETUP into the directory you specified during installation. This utility can be accessed:
- under Windows by clicking on the "Epson Stylus Calibration" icon or "Epson Stylus Calibration - DOS" icon (Stylus COLOR, Pro and Pro XL only) located in the "EPSON Printers" group
- or under DOS, by logging on to the directory specified during the installation, typing ECALIB or CALIBRAT (Stylus COLOR, Pro and Pro XL only) and pressing Enter.

Then follow the directions on the screen.

3.2 Calibrating High Speed mode printing
Selecting High Speed mode in your printer driver causes your printer to print bidirectionally. Normally your Stylus printer prints from left to right only (unidirectionally). In High Speed mode, however, the printer prints from left to right and also from right to left. This lets you print much faster.

Although your printer is calibrated at the factory, it may become uncalibrated during shipping. You should have to calibrate your printer only once. If you find it necessary to calibrate your printer again however, you can easily use this utility to recalibrate your printer.

If you suspect that your printer needs calibration, the easiest way to check is by turning off High Speed mode and printing your document again. If the output quality improves, you should recalibrate your printer.

You should recalibrate your printer if:
- Vertical lines in your output appear jagged
- Letters appear to be skewed or split
- Wavy gaps appear in halftoned images.

3.3 Aligning Black and Color output
If you have a color printer (such as the Stylus COLOR), it may be necessary to align the Black print head with the Color print head.

You should need to do this only once. If you think that your print heads have somehow become misaligned, you can easily realign them with the calibration utility.

You should realign your print heads if:
- Black output and color output that should line up doesn't.
- Unwanted white spaces appear between black and color output.

3.4 Using a mouse or keyboard (Stylus COLOR, Pro and Pro XL only)
Using a mouse

If your mouse does not work when you run the calibration program, you need to exit the program and then install a mouse driver. You'll find the instructions for installing a mouse driver in the documentation that came with your mouse.

Using the keyboard
If you don't want to use a mouse, simply use the following keys to move within the calibration program:

<Tab>	Moves the cursor among the options on the screen
<Arrow keys>	Moves the cursor to different items within an option
<Enter>	Selects an option

3.5 Default settings (Stylus COLOR, Pro and Pro XL only)
The calibrate utility resets some of the default values in your printer to those listed below.

To get the best results from your printer using High Speed mode, we recommend that you do not change the print direction setting after using the utility. You can change the other settings as necessary.

Note that after using the utility, the settings made will not be saved to the printer unless you turn off the printer using the Operate switch.
If you turn off the printer by unplugging it or turning it off with a power bar, the settings will not be saved.
After you have saved the settings turn off the printer as normal.

Stylus 800, 1000
Auto print Direction:	Off
Network I/F mode:	Off
Mixed text/graphic mode:	Off
Auto line feed mode:	Off

Stylus 300
Auto print Direction:	Off
Network I/F mode:	Off
Mixed text/graphic mode:	Off
Auto line feed mode:	Off
Loading position:	8.5mm

Stylus 800+
Auto print Direction:	Auto
Network I/F mode:	Off
Mixed text/graphic mode:	Off
Auto line feed mode:	Off

Stylus COLOR, Pro XL, Pro, 820, COLOR IIs, COLOR II
Print direction control:	Auto
Network I/F mode:	Off
Auto line feed mode:	Off

4. Technical Support / Information
The Windows 3.1 / Windows 95 drivers were developed by Epson.
For technical information call (800) 922-8911 in the USA or your local Epson subsidiary.

Enjoy using your "High Speed" Epson Stylus™!