HALLIBURTON

Halliburton Log View Pro V9.5.0 Release Notes and Installation / Operation Instructions

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New Features and Enhancements

- *Halliburton LogView Pro* is a stand-alone Windows application, not an Internet Explorer plug-in module, and does not use Active-X code. This application will not be affected by Windows Active-X Security fixes or the "Active-X content" security warnings like that which affected the older versions of *Halliburton Log Viewer*.
- Opening TIFF or CGM files which do not contain a Halliburton identification tag will not produce a license warning message like that which affected the older versions of *Halliburton Log Viewer*. Advanced features will still be disabled for such files but an option has been provided to validate that the file is a Halliburton log file so that the advanced features can be enabled. Please see the Known Issues and Limitations section below for details.
- If the advanced features are disabled by opening a TIFF or CGM file which does not contain a Halliburton identification tag, the **Print Scale** function in the **Print** dialog screen will still be available.
- Annotations and markups made in Halliburton Log Viewer V9.31. and saved as ".mrk" file can be imported into *Halliburton LogView Pro* for editing. Annotations and markups saved from *Halliburton LogView Pro* will be created in XML format (".xmk" extension) for better compatibility with future program versions.
- "JPEG File Interchange Format" option has been added to the "**Save As…**" dialog screen.
- On-line Help has been updated to cover all standard features of the application.

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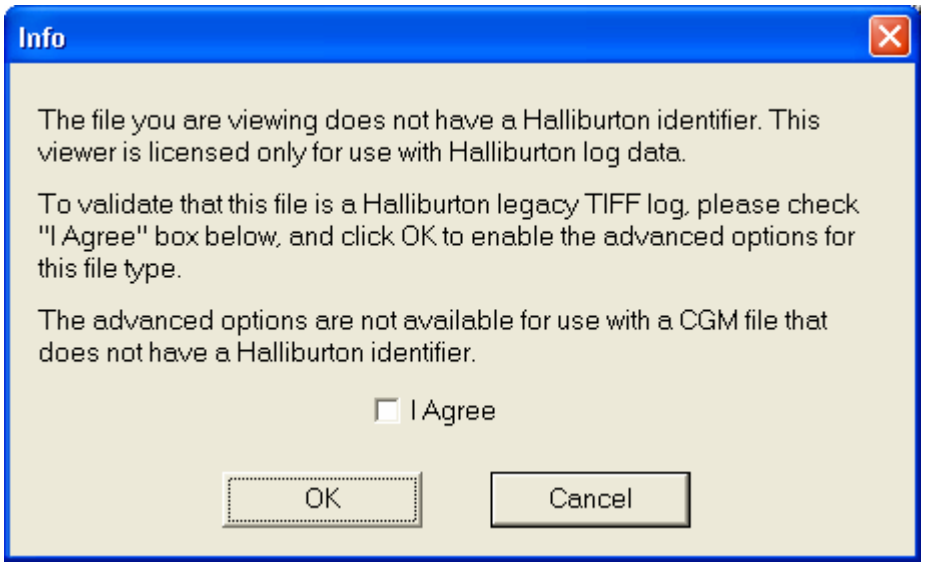
Known Issues and Limitations

- As in Halliburton Log Viewer V9.3.1, if a TIFF file is opened which does not contain a Halliburton identification tag, the **Markup** and **Larson Continuous Printing** features are disabled, the "Save As…" options are limited, and the "How to Enable Advanced Options" feature is enabled in the **Help** menu. Selecting this **Help** feature, or selecting any of the disabled features, will display the following dialog:



  If the user checks the "I Agree" box and clicks the **OK** button, the **Markup** and **Larson Continuous Printing** features will be enabled, and a copy of the current file will be created with a ".tifh" file name extension and an internal Halliburton identification tag.

  The Halliburton identification tag is now added to TIFF files created in the following Halliburton applications:

  - INSITE Plotting 3.1 and later
  - Petrosite R.063 for Windows-XP
  - Petrosite R.064 for Windows 2000
  - Excell 2000 CLASS V5.7 and later

- If a TIFF file with no Halliburton identification tag is rotated before attempting to enable the advanced options, the picture in the ".tifh" file created will be distorted. To fix this, re-open original TIFF file, and enable the advanced options before using the rotation tools.

- As with Halliburton Log Viewer V9.3.1, annotations and markups made in Halliburton Log Viewer V8.x and saved as .MRK file cannot be imported for editing. Please refer to the section Backup Previous Version Markups below for steps to backup any saved markups for viewing-only in Halliburton LogView Pro V9.5.0 prior to uninstalling V8.x.

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System Requirements

- Windows 2000, Windows XP, or Windows VISTA PC

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Installing Halliburton Log Viewer V9.5.0

Backup Previous Version Markups

The .MRK files created by Halliburton Log Viewer V8.x cannot be opened in Halliburton LogView Pro V9.5.0. To preserve annotations made to CGM/TIFF files in V8.x of the viewer, follow the steps below prior to installation of V9.5.0:

1. Start Halliburton Log Viewer V8.x and open an annotated CGM/TIFF file with associated .MRK file.
2. Save this file as CGM or TIFF with a name different from the original file.
3. Repeat for all annotated CGM or TIFF files to be used in V9.5.0 of the viewer.

This will save the markups in the CGM or TIFF file. The annotations can be viewed and printed in V9.5.0 of the viewer but they cannot be edited. New annotations can be added which can be saved as V9.5.0 .XMK format which can be edited later.

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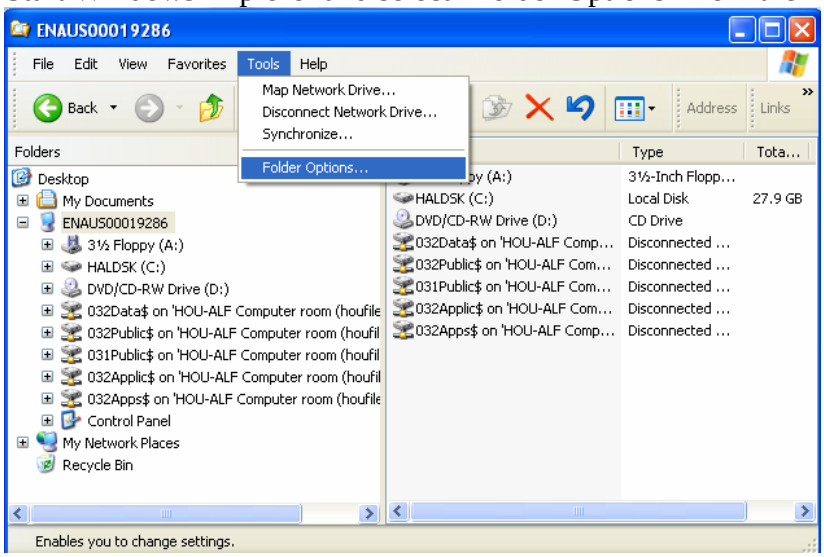
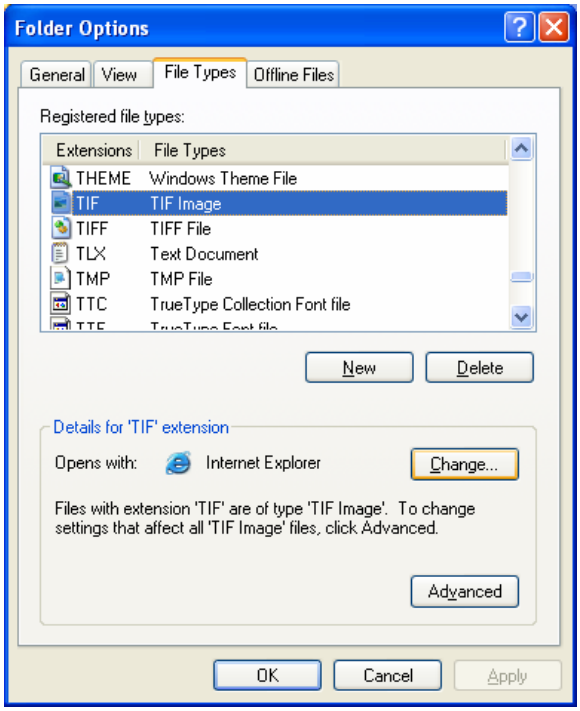
Verify Current File Type Associations

During installation, when prompted to associate CGM and TIFF file types with Halliburton LogView Pro if user selects “leave current association as is”, this setting is honored. The current association before installation could still be pointing to Internet Explorer from installation of earlier versions of Halliburton Log Viewer or to other commercial software programs. To ensure these file associations are as desired, before the installation, please follow the steps below:

1. Start Windows Explorer and select “Folder Options” from the “Tools” menu.

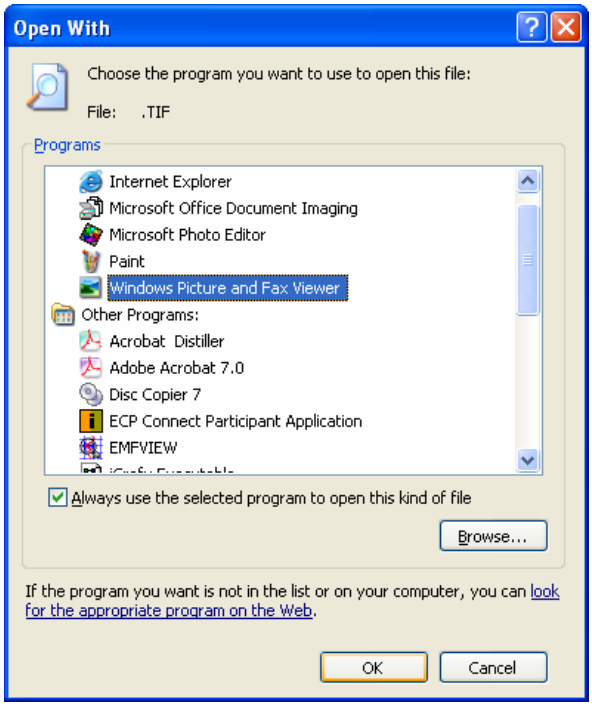


2. In the Folder Options window, click the “File Types” tab and scroll down to select the TIF extension.



If the “Opens with:” application shown in the “Details for ‘TIF’ extension” area is not the application you want associated with TIF files, click the “Change” button.

3. Scroll through the list of programs, select the program you want to associate with TIF files, and click the “OK” button.



4. Repeat steps 2-3 for TIFF and CGM extensions.

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Install the Viewer

Run “HalliburtonLogViewPro950Download.exe” to extract the Release Notes and installer to C:\HalliburtonLogViewer folder. Run “HalliburtonLogViewPro950Install.exe” to install the viewer.

Please click on the link to open detailed Installation Instructions.

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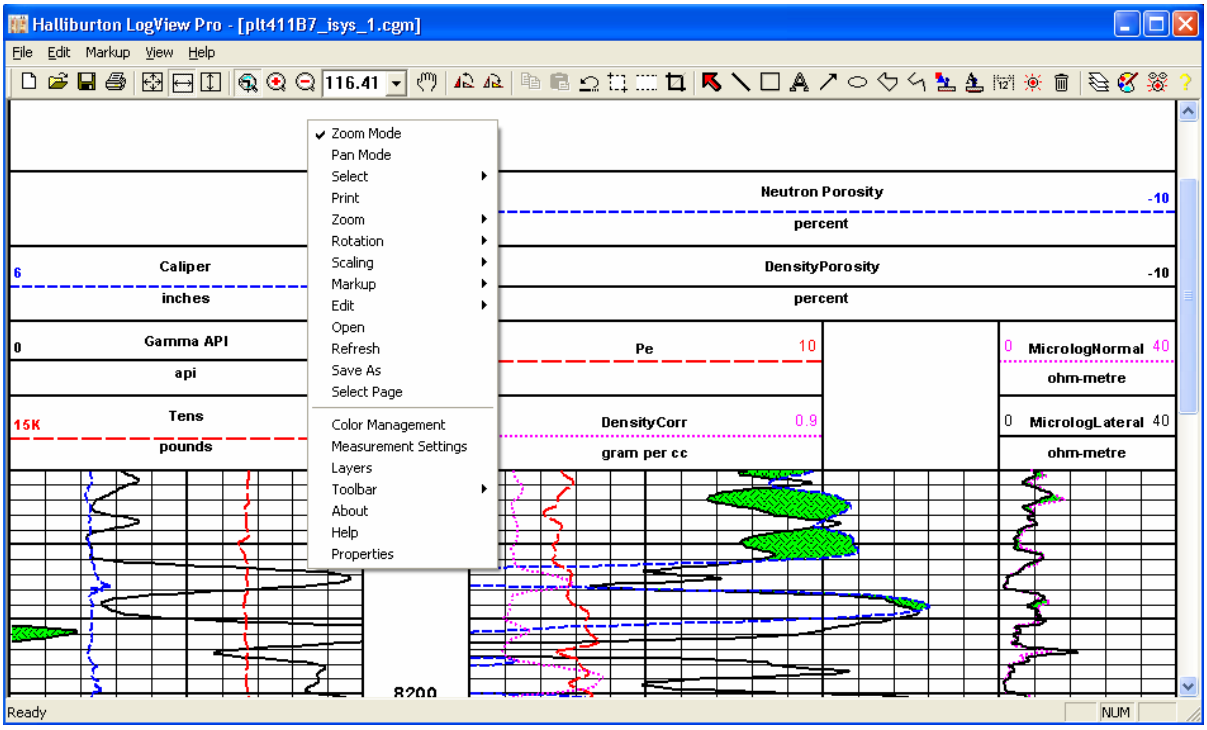
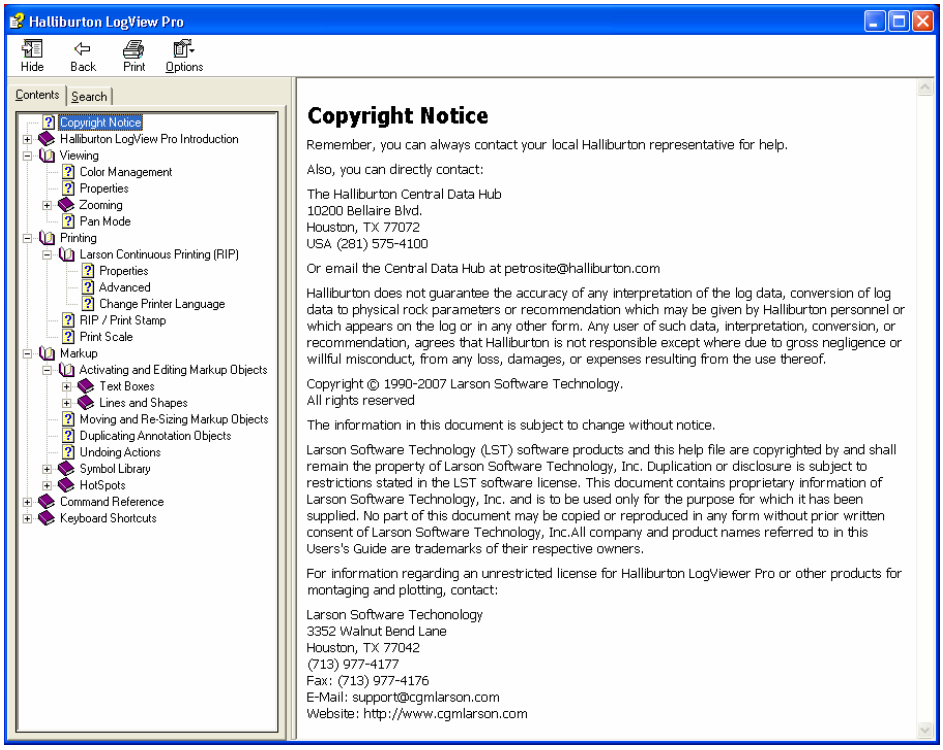
Program Operation Notes

Menus and Toolbars

As *Halliburton LogView Pro* is a stand-alone Windows application, all functions are available from drop-down menus, tool bar icons, or Right-Click menu.



From the **Help** menu or Right-Click Menu, select "Help" to learn more about using the features of the viewer.



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Save As Options

Files opened with Halliburton LogView Pro V9.5.0 can be saved in several format types with a variety of parameters for each type:

CGM This option saves the file as 24bit Computer Graphics Metafile.

TIFF This option allows the user to select the Compression (None, PackBits, LZW), the Resolution (75, 150, 300dpi), and choose between Monochrome (1-Bit) color depth or the color depth of the original file.

FAX This option creates a 200dpi, Monochrome TIFF with CCITT Group4 compression compatible with Fax machines and Fax software.

PNG This option creates a 96dpi "Portable Network Graphics" and the user can choose between Monochrome (1-Bit) color depth or the color depth of the original file.

JPG This option creates a 24bit "JPEG File Interchange Format" file in 75, 150, or 300dpi.

CGM files from INSITE Plotting R3.1 and later use 24bit or Monochrome color depth, with PNG compression, at a resolution defined by the print device selected at the time the CGM is exported. TIFF files exported from INSITE Plotting R3.1 and later use the color depth (1, 8, 24 bit), compression (None, Group4 CCITT, LZW), and resolution (75, 96, 150, 200, 300 dpi) selected by the user during export.

TIFF files from Hard Copy Manager in Halliburton Desktop Petrophysics products are either 8bit or Monochrome color depth, at the resolution of the supported print device selected at the time, and with LZW compression. These files are actually 8.25, 14, or 36 inches wide, depending on the print driver selected at the time, regardless of the plot width defined in the plot configuration.

Note: *1-bit files annotated in Halliburton LogView Pro and saved as TIFF will have the Color Depth set to 24 bits unless the "Monochrome" option box is checked in the "Save As" dialog.*

Care should be taken in the selection of export file type and parameters to ensure the result can be used in the applications others intend to use. TIFF is a bitmap format which can create huge files at the higher resolution settings. The LZW compression (as used by Hard Copy Manager TIFF output) can result in much smaller files, but some applications cannot open LZW files (Mircosoft Office Document Imaging, among others). The PackBits compression option may be much less compact than LZW, but it results in smaller files than using no compression, and can be read by most programs that cannot read an LZW file.

The following chart shows the sizes of a small CGM file from INSITE Plotting exported from Halliburton Log Viewer to FAX, PNG, and TIFF file types with various export parameters:

Item	Size (KB)	Type	Compression	DPI	Color	Bits
1	132	FAX	Group4 CCITT	200	Mono	1
2	206	PNG	PNG	96	Mono	1
3	283	TIF	LZW	150	Mono	1
4	326	CGM	PNG	n/a	Color	24
5	536	PNG	PNG	96	Color	24
6	701	TIF	PackedBit(RLE)	150	Mono	1
7	2,916	TIF	LZW	150	Color	24
8	4,425	TIF	None	150	Mono	1
9	18,058	TIF	PackedBit(RLE)	150	Color	24
10	106,187	TIF	None	150	Color	24

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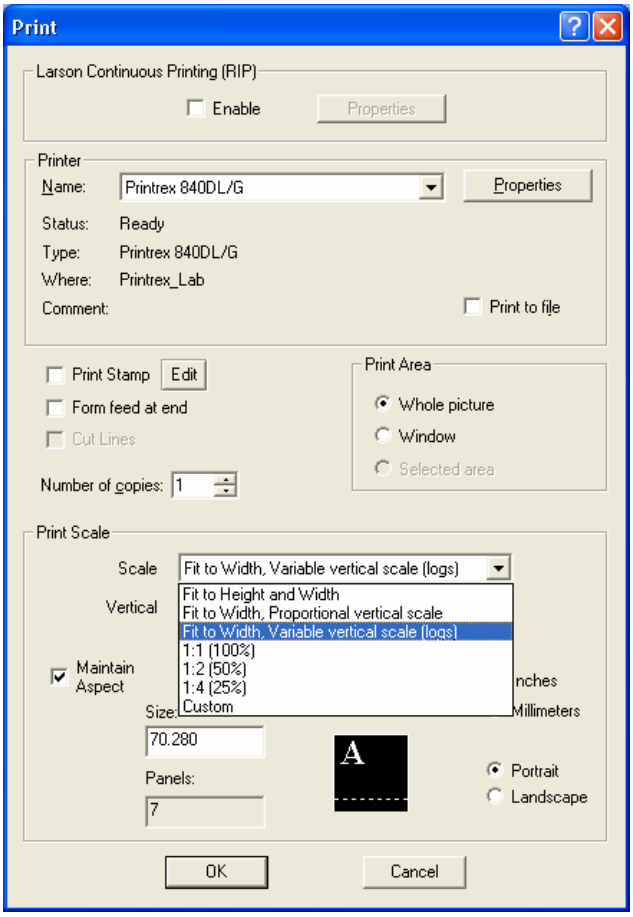
Printing

In the viewer Print dialog box, when “Enable Larson Continuous Printing” is not checked, the Windows print driver for the selected printer will be used. For some printers like HP DesignJet 1050C, this will limit the print to 50 feet of paper.

Print Scale

Select the best Print Scale setting for the actual width of the file opened in the viewer, and the paper width available for the selected printer.

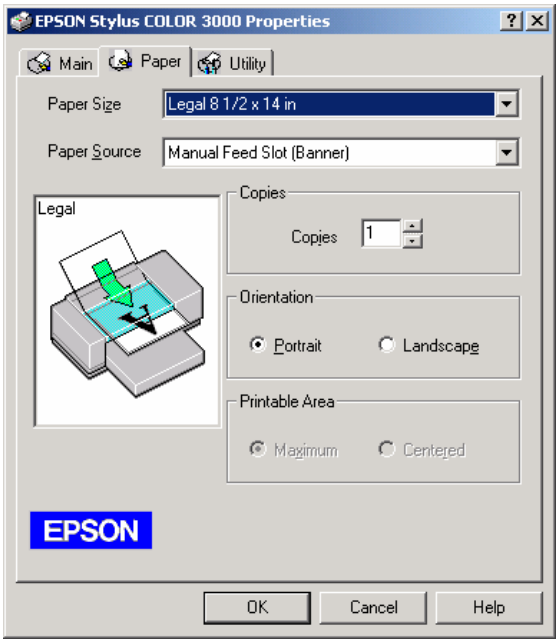


If the available paper width is less than the plot width (and the file width is equal to the plot width), use the “Fit to Width, Variable vertical scale (logs)” setting to avoid cutting off the right edge of the plot.

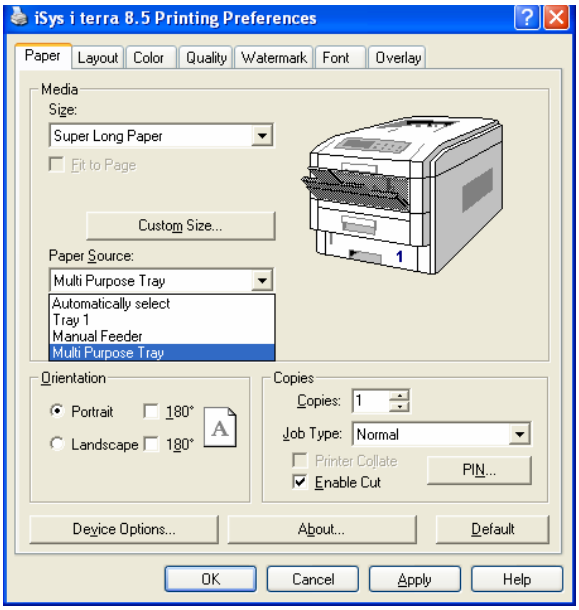
If the available paper width is greater than the plot width and equal to or less than the actual file width, use the “1:1 (100%)” setting. This will ensure the plot will be to scale, and extra white space on the right (that can be added by some Hard Copy Manager print driver selections) will be cut off and not force reduced scaling of the plot width.

Windows Print Driver Settings

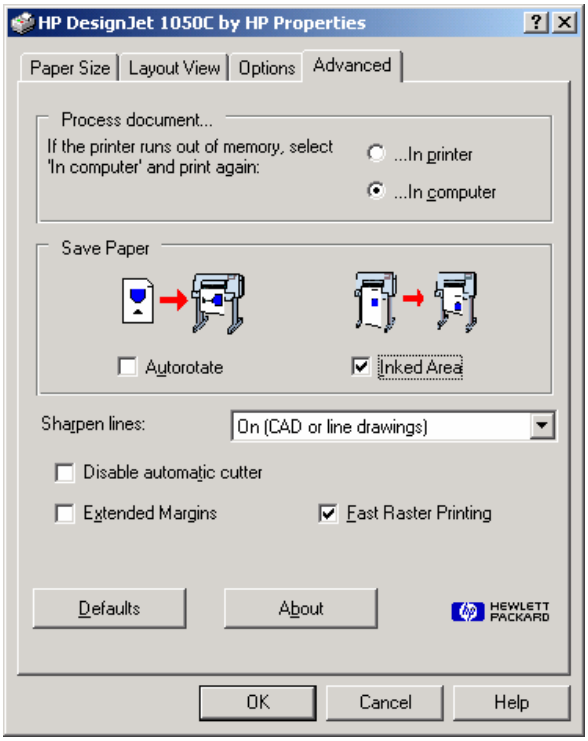
For Epson Stylus Color printers, set the Paper Source to “Manual Feed Slot (Banner)” and set Paper Size to the longest paper size where the paper width is greater than the plot width.



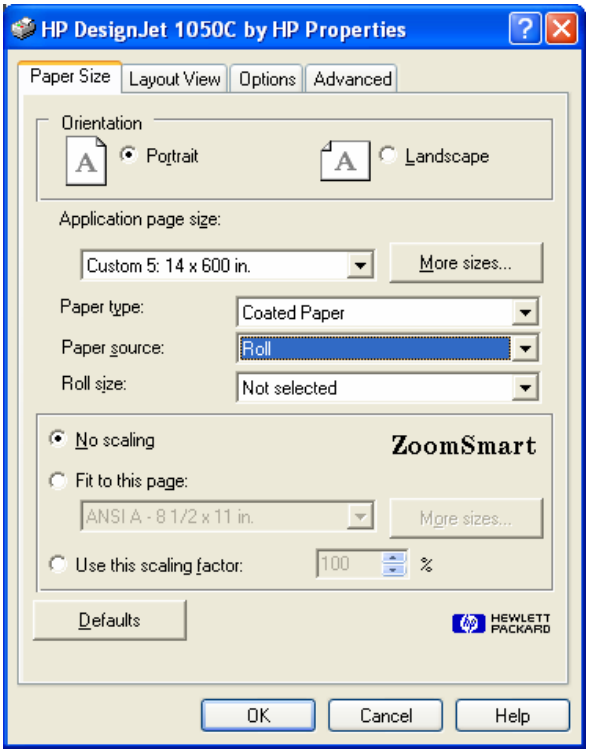
For iSys iTerra Pro (or Elite) printers, set Media Size to “Super Long Paper”, Paper Source to “Multi Purpose Tray”.



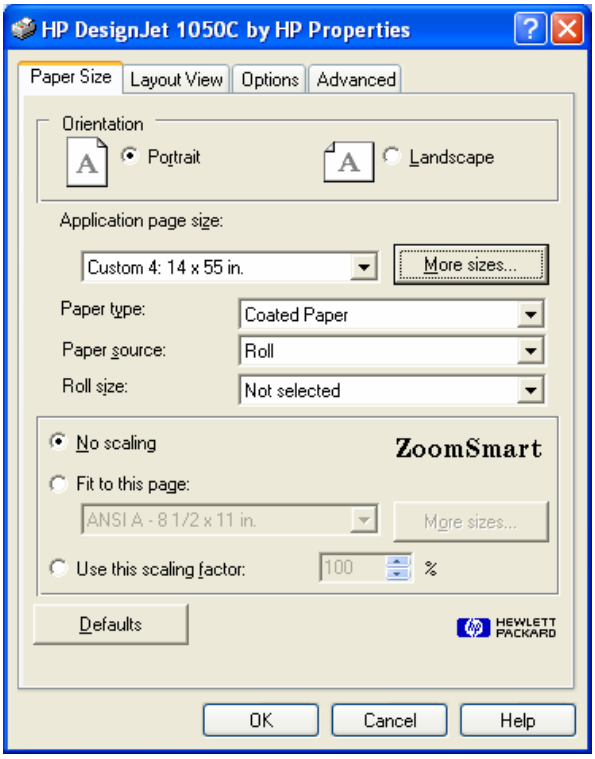
For HP DesignJet printers, click on the Advanced tab in the printer properties window. In the “Process Document” area, check the “… In Computer” option. If the “Save Paper - Inked Area” option is available, check it.



On the Paper Size tab, click the "More sizes…" button and create custom paper size of 600 inches length and width greater than or equal to the plot width.



Under "Application page size:", select the custom page size created, check "No Scaling", and select Paper Type. The "Paper source" selection should not affect the printing.



If “Save Paper - Inked Area” option was not available in the Advanced properties tab, check the total page count in the “Print range” area of Halliburton LogViewer print dialog. Create a custom paper size where width is greater than or equal to the actual file width, and length equals total page count x 11 inches.

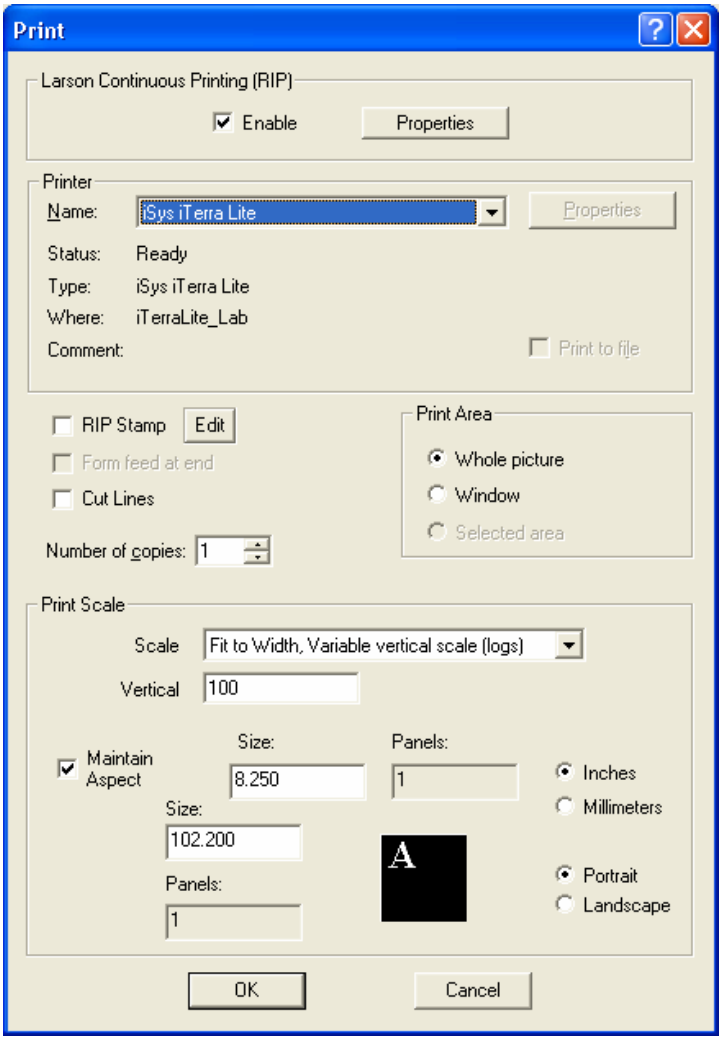
On the Options tab, select the print resolution. A setting of 600dpi can take several times longer to print than a 300dpi setting.

Larson Continuous Printing

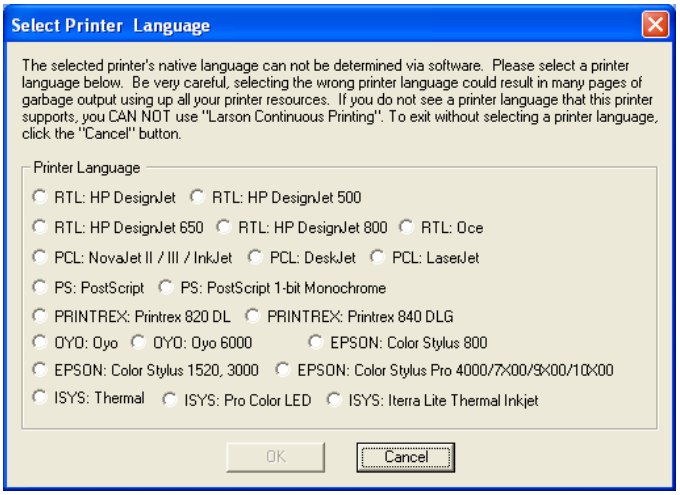
This printing option allows spooling prints longer than that supported by the Windows print driver. This has been implemented only for selected continuous form printers as requested by Halliburton. The supported printers include:

- HP DesignJet (500, 750, 1050)
- Printrex (820DL, 840DL/G)
- Epson Color Stylus (800, 1520, 3000)
- iSys LED Printers (8.5, Pro, Elite)
- iSys Thermal Inkjet Printer (iTerra Lite)

In the viewer Print dialog box, select a supported printer and check “Enable” in the “Larson Continuous Printing (RIP)” section to bypass the Windows printer drivers.

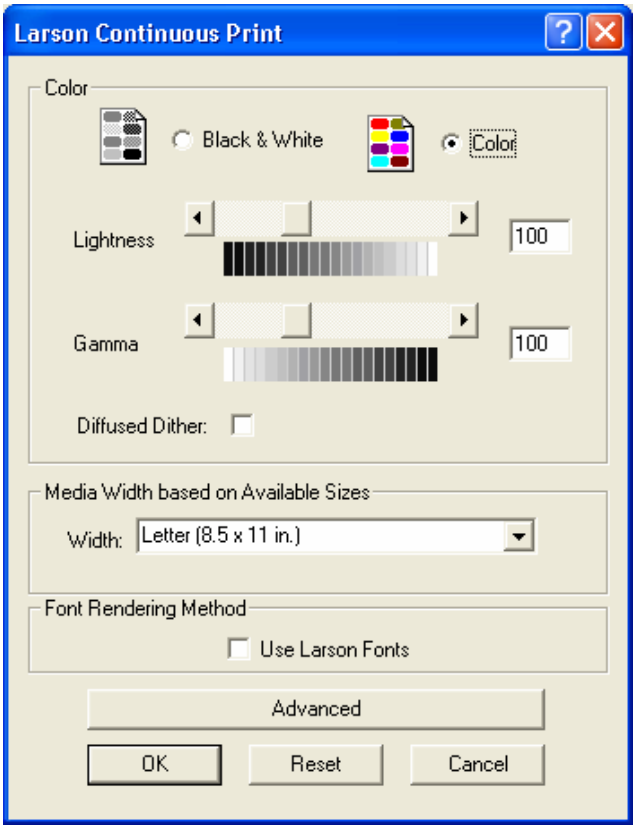


If a printer that is not supported has been selected, the “Select Printer Language” dialog box will open.



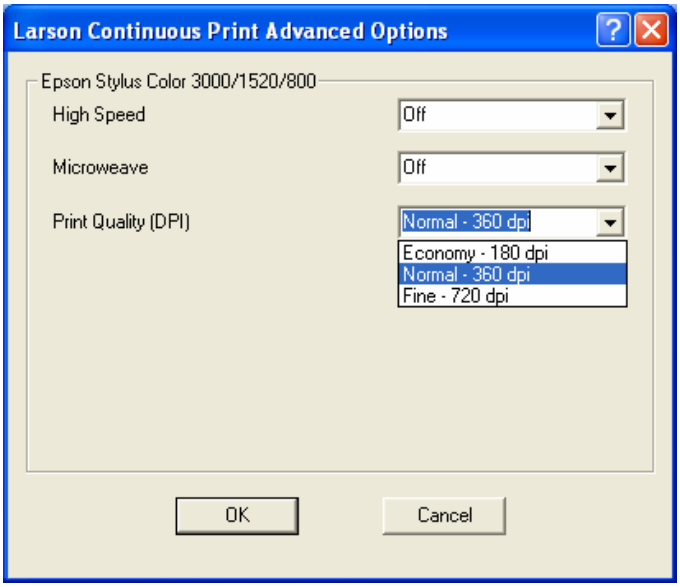
If your printer supports continuous form printing and one of the printer languages listed, select that language and click the “OK” button to continue. If your printer's language is not supported, click the “Cancel” button, and select another printer or un-check “Enable” in the “Larson Continuous Printing (RIP)” section.

Click the “Properties” button in the “Larson Continuous Printing (RIP)” section of the print dialog. On the Larson Continuous Print window, the Media Width drop down box will list based on the current “Printing Preferences” for the selected printer. Alternatively, the user can edit the Width field to enter the paper size.

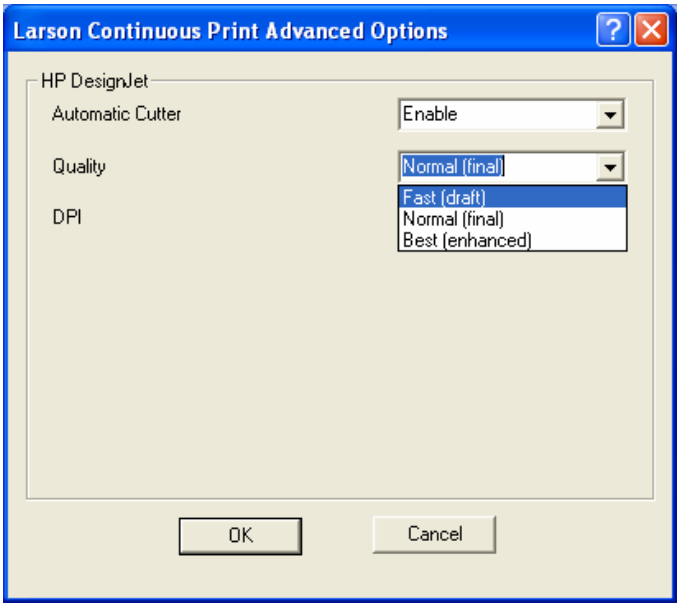


For the HP DesignJet printers, check the Diffused Dither box in the Color settings area of the Larson Continuous Print main window. Some adjustment of Lightness and Gamma may be desired but the default settings produce excellent results on the HP1050C used for testing.

The Advanced button will display some of the options from the options available for the selected printer. The most command option to change would be the Print Quality.



For the HP DesignJet printers, the DPI setting of “Normal (final)” equals 300dpi, and the setting of “Best (enhanced)” equals 600dpi.



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Technical Support

Please contact your local Halliburton representative for help. Also, you can send an email to:

petrosite@halliburton.com

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