

# PCLReader V8.895 – 10/28/2009

## RELEASE NOTES

PCLReader.exe is a new, exclusive, standalone, single instance, client workstation, freeware subset of the functionality found in our PCLWorks Program commercial product (or the PCLTool.exe that comes with the PCLTool SDK). It is the replacement for our previous freeware FormView and TaxView programs.

### Changes in V8.42:

PnIsPDF.dll	Added missing program to allow printing to non-PDF/TIFF file creation drivers and across network
PTC32.dll	Added additional support for HPLJ 3500/3550/3600 PCL6 JetReady raster graphics
XLDLL.dll	Added additional support for HPLJ 3500/3550/3600 PCL6 JetReady raster graphics
RUNCODE.ini	Extended expiration date to 12/31/35
.PDF Files	Updated all support, release note and other .PDF files

### Changes in V8.43:

PDFWrite.dll	Fixed bug that inhibited printing PDF's that we created to PostScript printers	APPIC
PDFFIX.exe	Upgraded PDFFIX to find and fix PDF's that need to print on PostScript printers.	
Filtr.dll	Upgraded Filter.exe/Filtr.dl/Call_Filter function to do multiple search/replace edits in one pass	BestComp

### Changes in V8.49: 5/7/07

<b>PTC32.dll</b>	Added support to <b>output to XPS</b> format	
PTC32.dll	Added code to help PNG reading programs find the resolution of image data	Alcon
PTC32.dll	Added logic to accept HPGL/2 SI command with poor syntax which caused a larger font to print	
PTC32.dll	Added support for Sharp PCL XL compression mode 2001 (grayscaled logo)	Linden
PTC32.dll	ASCII value Dec(7) BEL and Dec(11) VTAB are now ignored control chars. in download fonts	Blueware
PTC32.dll	Expanded the character mapping of the internal symbol set for ISO:21 German	Aareon
PTC32.dll	Fixed metrics computing error from d/I bitmap fonts with non-zero valued in height-extended field	MIDRID
PTC32.dll	Fixed page counting bug when converting to raster PDF without PageCounter running	DevInfo
PTC32.map	Add Wingdings Bold to font map	
PTV32.dll	Fixed color BMP/DIB displaying all black when quality setting is not set to "lighter"	meta
SFP2ttbm.dll	Fixed bug when handling zero length glyphs	
XLDLL32.DLL	You must turn-off Warnings, Low-Level indexing to View PCL PCLXL files until next release.	

### Changes in V8.49i: 8/15/07

PTC32.dll	Added code to more fully support the HPGL/2 CYMK color model	DevInfo
PTC32.dll	Added code to remove blank top/left margins	Kayes
PTC32.dll	Added support for a new way to copy/assign fonts	ISE
PTC32.dll	Added support for Kentek compression #99 with raster data blocked in greater than 64k objects	UBSI
PTC32.dll	Fit dimensionless image to 8 inch width.	Mirco
PTC32.dll	Fixed 32k download font description limit with Chinese fonts	Toptech
PTC32.dll	Fixed edge cases of palette reset and automatic overlays	THIG
PTC32.dll	Improved the way we determined underline spacing to not rely only on font data that maybe wrong	SoftCarr
PTC32.dll	KeepOffPageText preference added to access text placed off the printable area.	Lindenh
XLDLL.dll	Added code to detect PCL XL error condition	JadTech
GUI .exe's	DEP (Data Execution Prevention) is a new security feature in Windows XP, 2003 and Vista. PCLTool.exe, PCLWorks.exe and PCLView.exe create false-position error conditions because they are compiled with an older Borland compiler. We are in the process of migrating these .exe's to MS VC. In the meantime, you will need to exclude these .exe's from the DEP security checking process.	

### Changes in V8.80: 3/30/08

<b>Filter.exe</b>	Added full support for "-7 -s" font character-level optimization to reduce PCL file size and throughput).	
<b>HP JetReady Indexing</b>	Added full support for HP's new PCL6 JetReady raster (JPEG) graphics in the HPLJ 3500/3550/3600 printers.	
<b>Max. File Size Normalization</b>	Added new <b>Just-In-Time Indexing</b> when <u>viewing</u> PCL from any of our .exe's.	
<b>PCL3GUI</b>	Increased the maximum input PCL file size to more than one TeraByte.	
<b>PCL5c/XL PDF</b>	Reduced the resources required to normalize PCL pages for extraction to increase throughput speed.	
<b>PDF /JBIG2</b>	Added support for PCL3GUI (output for medical/lab/WIN CE devices)	JadTech
<b>PDF/A Format</b>	Enhanced parser algorithms to increase conversion speed of color objects to both raster/vector PDF	Mercer/htc
<b>PDFWrite.dll</b>	Optimized logic to eliminate redundant graphic (logo/signature) objects in vector PDF files.	
<b>XLDLL32.DLL</b>	Increased JBIG2 raster object conversion speed with enhanced algorithms to support global tables for download fonts for conversion to raster PDF only.	
<b>XPS Output</b>	Made several enhancements to more quickly create PDF/A files with higher data integrity.	APPIC
	Added <b>10 new functions</b> to our direct PDF driver.	
	You must use JIT indexing to View PCL- PCLXL files	xlc23/xljr9.pcl
	Added new <b>pcl2XpsRaster</b> function to PTC32.dll to output to Microsoft's new XPS portable document format	

## MODIFICATIONS:

.SYM Files	Added low ASCII characters in cells 1-31 to the following symbol sets: TTPC, TTPD, TTPE, TTPG and TTPM	
Filter.exe/.dll	Added support for Lexmark raster <b>compression method 1008</b>	MW-INC
GUI .exes	Add the "-s" option to the Modify PCL page - <b>Eliminate Redundant fonts &amp; Optimize PCL</b> pref.	
Hidetext.pcl	Added some new methods of hiding text in a PCL file.	
HPGL/2	Added code to support diagonal HPGL/2 text	Acuprint
HPGL/2	Fixed bug that changed the color when exiting HPGL/2 and re-entering PCL	Mozell
PDF/A	Added code to extract the char. widths required when creating a PDF/A to better adhere to ISO spec.	APPIC
PDF/A	Added code to only use the one CMAP required/allowed when creating a PDF/A for ISO spec.	APPIC
PDFWrite.dll	Fixed some syntax anomalies in the Doc. Info. Preferences when making PDF/A format	APPIC
PDFWrite.dll	Global tables for d/l fonts & raster chars. in <b>JBIG2</b> raster PDF's are optimized to be smaller and faster	
PDFWrite.dll	Improved way we handle condition when trying to write to a PDF file that is opened and unshared by the Reader.	
PTC/.hix (new)	Reduced the resources required to normalize pages for extraction - smaller file sizes/increased speed	ReclInfo
PTC/HIX	Expanded to support for new PCL XL operands	
PTC32.dll	Adapted following high level functions to use with the new JIT method of indexing:	
PTC32.dll	Adapted following low level functions to use with the new JIT method of indexing	
PTC32.dll	Added <b>optimization</b> logic to eliminate redundant graphic objects - <b>VECTOR PDF</b> (DEF:=yes)	
PTC32.dll	Enhanced parser to handle faulty Escape codes like the printer	Acuprint
PTC32.dll	Fixed a bug when searching for text within a raster object	BestComp
PTC32.dll	Fixed a edge case where stray text was intermingled with a all-raster page image	GP
PTC32.dll	Fixed a problem when selecting a new font, then immediately using Tab escapes to space text	Verizon
PTC32.dll	Fixed a problem with a macro that had two pages	APPIC
PTC32.dll	Fixed bug (intro'd 6/16/07) that made mono raster objects yellow after a HPGL/2 "IN" command	
PTC32.dll	HMI spacing from d/l font header used even if font selected by attrib., with conflicting HMI.	input1
PTC32.dll	Improved our method of determining the font point size when selected by font pitch.	
PTC32.dll	Modified font selection to give d/l bitmap fonts included in print stream a higher preference	boscom
PTC32.map	Added HMI values to the 4101 (CG Times) to Times New Roman Base Remap	greggv
RUNCODE.PGT	Now shipping runcode.pgt's instead of runcode.ini's in order to avoid Anti-virus software that strips .ini's.	
SFP2FF132.dll	Made more stable when it encounters corrupted binary data in downloaded characters	CGI
TNXDump.dll	It now truncates anything after 1024 characters on one line of text for PCL with no linefeeds	automail
TRENDMICRO	FAQ to disable Trendmicro and other A/V software to avoid problems with InstallShield temp. files	

## PROGRAMS REMOVED

PCLXL32.DLL Moved the functionality and code from PCLXL32.dll into XLDLL.dll and PTC32.dll. This .dll is no longer needed.

## Changes in V8.86: 10/15/08

AcctUtil.dll	Acctutil now first looks for the runcode.pgt before it looks for the .ini version in script during the install.	
Acctutil.dll	Tests for any of our .exe's running and prompt to close before uninstalling.	
<b>Filtr.dll</b>	Added full support for "-7 -s" font character-level optimization to reduce PCL file size and throughput).	
FILTR.dll	Added code to support adding PCL6 download bitmap font chars. to CDRS for building .amp files	IMS
FILTR.dll	Added entry points for IBLTool.exe (non-released program) to access it.	
GUI .exe's	Fixed code to turn-off JIT indexing during any search functions	
GUI .exe's	Search - "Extract Text -> .tnx & .hix" does neither if the new JITIndexing=1. Code was added to turn this off.	
GUI's	Associated "PXL" with our GUI programs for View PCL.	
PCL Modify	Made compatible with new JITIndexing, PclSplit temporarily turns JIT Indexing off now.	Linden
PTC32.dll	Added code to fix tracking of font changes only by pitch/pt size on pg 1 in HIX indexing	Pushor
PTC32.dll	Added code to support adding PCL6 download bitmap font chars. to CDRS for building .amp files	IMS
PTC32.dll	Added PREF_INTL_PAGEORIENT_CCW to rotate page counter-clockwise	
PTC32.dll	Added support for detecting the various ways to set duplexing in PCL XL files.	FHInc
PTC32.dll	Added support to access the text in PJJL comments. Including those inserted by the Port Monitor.	
PTC32.dll	Enhanced code to make PTC32.dll tolerant of CID data inconsistencies	Syntel
PTC32.dll	Enhanced support for Color palette setting.	TPSI
PTC32.dll	Fix C:\Prod\PCLT\data\vp\gl-chars - Add "ES" command.	
PTC32.dll	Fix C:\Prod\PCLT\data\vp\grid.pcl - Add "Grid pattern custom spacing".	
PTC32.dll	Fixed a bug when searching for text within a raster object.	BestComp
PTC32.dll	Fixed an issue where auto-rotation of the first character on a page did not rotate	Maxidom
PTC32.dll	Fixed obscure font selection and back spacing issues	Maxidom
PTC32.dll	Fixed some unreported memory leaks that could affect high volume jobs.	FHI
PTC32.dll	HMI spacing from d/l font header used even if font selected by attrib., with conflicting HMI.	Input1
PTC32.dll	Improved parser to better detect when a blank page should be ejected.	
PTC32.dll	Modified font selection to give d/l bitmap fonts included in print stream a higher preference.	Boscom
PTC32.dll	Updated .hix indexing to better track font changes by pitch/pt. size on the 1 <sup>st</sup> page of custom PCL.	Pushor
PTC32.dll/.ini	Added PJJLComments InTxn preference in [Extraction Section] to reveal PJJL comments in .TNX output	
PTC32.dll/.ini	Added PREF_EXTRACT_PJJL function to extract PJJL comments in .TNX file for indexing/routing metadata	
RUNCODE.PGT	Now shipping runcode.pgt's instead of runcode.ini's in order to avoid Anti-virus software that strips .ini's.	
SFP2TTBM.dll	Fixed a bug in bitmap edge tracing case.	
SFSFF132.dll	Fixed code to accommodate odd outline to outline reference within character cell	Maxidom
TNXDmp.dll	Added PJJLComments InTxn preference in [Extraction Section] to reveal PJJL comments in .TNX output	
TNXDmp.dll	Added support to access the text in PJJL comments.	

TNXDump.dll	It now truncates anything after 1024 characters on one line of text for PCL with no linefeeds.	Automail
TNXDumpG.exe	Added <b>"Suppress PJJ Comments"</b> check box to suppress PJJ comments in .TNX output	
TRENDMICRO	FAQ to disable Trendmicro and other A/V software to avoid problems with InstallShield temp .rra files.	
XLDLL.dll	Added support for detecting the various ways to set duplexing in PCL XL files.	FHInc

### V8.77 –2/9/09 Maintenance release

#### ENHANCEMENTS:

<b>Auto-Indexing</b>	Added auto-indexing to spool files passing through the Port Monitor.	
<b>PCL3GUI</b>	Added support for output from medical, mobile and laboratory devices.	
PTC32.dll	Added PJJ Streamediting to change folding and stapling options	Primoris
PTC32.dll	Added support for viewing/rendering RAW EMF image files	Syntel
PTV32.dll	Added support for viewing/rendering RAW EMF image files	Syntel
<b>PXL Text Extract</b>	Improved our exclusive ability to extract text from PCL6	
TTWL.sym	Added support for Windows 98 Latin-6 (Baltic) symbol set	Tomala

#### MODIFICATIONS:

PTC32.dll	Fixed font selection and sizing issue	BoatUS
PTC32.dll	Added code to ignore Xerox %XRJ job language	GBS
PTC32.dll	Fixed text metrics in footer	SharonCU
XLDLL.dll	Added code to handle custom media size in millimeters correctly	Xerox

### V8.79 –10/28/09 Maintenance release

<b>PCLnUp.exe</b>	Scales and merges multiple PCL pages on to one page.	
<b>Raw EMF View</b>	Import Raw EMF files for viewing.	Syntel
<b>SetTrays.exe</b>	Searches/replaces paper tray assignments in PCL.	
<b>SSpool.exe</b>	Serial input spooler and redirector programs used when capturing PCL from Parallel to Serial ports	
<b>TIFFComp.exe</b>	Compares TIFF pages created from PCL.	

#### MODIFICATIONS:

.\data\default.amp	Adapted to new code that was added to support PCL XL "scrambled" text.	
.\fonts\tteg.sym	Corrected mapping for the "pi" character	CERTH
.\fonts\ttwe.sym	Fixed a character mapping error	D.velop
PCLReader.exe	Fixed an error in the Calibration dialog.	
PDF/A	Modified PDF/A format to better conform to ISO specification	RecInfo
PDFWrite.dll	Fixed some code that generated faulty PDF/A files.	FMB
PDFWrite.dll	PCL to vector PDF optimization	Personix
PTC32.dll	Added support for Lexmark compression method 8	Personix
PTC32.dll	Added support for new composite character download scalable PCL6 fonts	Microdata
PTC32.dll	Fixed a problem with blank pages	Personix
PTC32.dll	PCL to vector PDF optimization	Personix
SFSFF132.dll	Added-in the FF1Codes.dat and ALLCG.FS1 code.	
SFTFF132.dll	Added-in the FF1Codes.dat code.	
XLDLL.dll	Made some minor modifications for anomalies found in PCL XL files from new drivers.	Ceridian

For the full copy of all the release notes provided for our commercial products (PCLWorks Program and PCLTool SDK) since the initial release of V8.3, please download <http://www.pagetech.com/docs/ptrelnot.pdf>.

### The following are the differences between the freeware PCLReader and commercial PCLWorks Programs:

Splash screen:	Initial screen requires "Agree" with license agreement, then de-activates after selection.
View PCL:	View PCL in raster mode for the first 2,000 pages of a PCL file. Gray-out vector mode in View PCL and Search Text viewing options.
Print PCL:	Print PCL in raster mode for the first 2,000 pages of a PCL file. Prohibits printing to any driver that produces PDF, TIFF, XPS or any other supported file format.
Converting:	Converts first 10 pages to raster PDF and other raster formats, with a watermark on pages 11 to 2000. Gray-out all vector EMF, WMF and PMF from conversion output file types. Gray-out vector PDF from conversion output file types.
Text Extraction:	Extract Text: Extracts up to the first 2,000 pages of the PCL file. Modify PCL: Modifies up to the first 2,000 pages of the PCL file.
Page Splitting:	Extracts only the first 10 pages of a PCL file.
Page Splitting:	Extracts and Normalizes only the first 10 pages of a PCL file.
Preferences:	Convert Preferences->Warnings - no access to dialog. Convert Preferences->Files and Paths - no access to dialog. Convert Preferences->Remove Fonts - not selectable. Convert Preferences->Rescan FastFonts - not selectable. Convert Preferences->Convert Downloaded Fonts - not selectable. Convert Preferences->Save Converted Fonts - not selectable.

Convert Preferences->Save Unused Fonts - not selectable.

Fonts: WinFMove does not convert any FastFonts into TrueType fonts for vector formats.

Font map (PTC32.MAP) cannot be modified.

"T" cartridge tax fonts are removed.

Converted fonts from PCL print stream cannot be saved.

Programs:

<b>Program Name</b>	<b>Description</b>	<b>PCLReader Freeware</b>	<b>PCLWorks Program</b>
FFViewer.exe	Views/Prints FastFont Typefaces	Not included	Included
Filter.exe	PCL search/replace edit utility	Not included	Included
Img2PCL.exe	Converts TIFF/JPEG into PCL macros	Not included	Included
Img2PDF.exe	Converts TIFF/JPEG into PDF files	Not included	Included
Img2XPS.exe	Converts TIFF/JPEG into XPS files	Not included	Included
PCLCodes.exe	Disassembles PCL files for analysis, debugging and learning PCL escape codes.	Not included	Included
PCLSplit.exe	Splits PCL files several ways	Not included	Included
RCMgr.exe	Runcode manager	Included - only used during Setup	Included
WinFMove.exe	TrueType to FastFont Converter	Included - only used during Setup	Included

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