



Xerox® FreeFlow® Accxes® Print Server Customer Release Notes



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Customer Release Notes

Introduction

The Xerox® FreeFlow® Accxes® Controller Firmware Release 14.1 b 210 provides multinational software for the Xerox Wide Format 6604 Solution™, Xerox Wide Format 6605 Solution™, the Xerox 6204® Wide Format Solution and Xerox 6279® Wide Format Solutions. The languages supported are English, Deutsch, Espanol, Francais, Italiano, and Brazilian Portuguese.

This document presents the following information about the FreeFlow Accxes Controller Release 14.1 build 210. The document applies to FRX, LVX and UXC controllers and for simplicity they will simply be referred to as UXC.

- Release deliverables
- Recommended configurations
- Installation procedures
- Present supplemental information and known issues that are not mentioned in the published customer user documentation.
- New features

Feature Keys

Print and Copy Feature Keys are enabled on the UXC controller by loading the “OS Enablement” feature key.

Additionally, the following functions will be unavailable until the appropriate feature key is loaded.

- DGN printing is enabled with an “Other CAD” feature key.
- JPEG 2000, PNG, BMP, and GIF printing is enabled with a Raster feature key.
- DWF printing is enabled with the “AutoCAD” feature key.
- Job Accounting Enables tracking media usage data for print, scan, and copy jobs. Account Management Tool, or some other external accounting tool, is used to assign User Id, Account Id, Printer Id associations, and then collects and tallies the stored data from the printers).
- PostScript® – Enables the interpretation of Adobe® Postscript® 3™ and PDF 1.7 files.
- Disk Image Overwrite – Enables the security options for overwriting image data on the hard drive.
- Scan-To-Net – Enables Scan to Mailbox, Scan to FTP, and Scan to Remote Printer features.
- Scan-to-Print – Allows a scanned document to be printed to the system automatically as a proof copy.
- Color Scanning key is only needed on the 6279 as this function is a standard function of the 6604 and 6605 solutions.
- 9-D Speed key for printing on the 6279.
- Speed Enhancement Turbo II – Enables 4 ips scan speed on the Wide Format Scan Solution
- Speed Enhancement Turbo III – Enables 7.33 ips scan speed on the Wide Format Scan Solution.

Release Deliverables

Xerox 6204 Wide Format Solution

The following executable is provided for the Xerox 6204 Wide Format Solution.

- FRX, LVX & UXC Controllers:
FRX_LVX_UXC_6204_14_0b200.disk.bin (file size = 64,994,941 bytes)

Xerox 6279 Wide Format Solution

The following executable is provided for the Xerox 6279 Wide Format Solution and supports the Wide Format Scan System.

- FRX, LVX & UXC Controllers:
FRX_LVX_UXC_6279_14_0b200.disk.bin (file size = 64,676,155 bytes)

Xerox Wide Format 6604/6605 Solution

The following executable is provided for the Xerox Wide Format 6604/6605 Solution.

- FRX, LVX & UXC Controllers:
FRX_LVX_UXC_6604_6605_14_1b210.disk.bin (file size = 64,994,941 bytes)

Recommended Configurations

The following table specifies the RAM requirements for the various systems and configurations supported by the FreeFlow Accxes controller.

System	FRX/LVX Controller			UXC/UXC-N Controller		
	Min	Recommend	Max	Min	Recommend	Max
Any System with the following feature keys: AutoCAD Other CAD RASTER	2GB	2GB	3GB	2GB	2GB	3GB
Any System using TotalAccxes	2GB	2GB	3GB	2GB	2GB	3GB
6204, 6604/6605	2GB	2GB	3GB	2GB	2GB	3GB

Release Installation

This version of Accxes (14.1 b 210) requires OS Install CD version 4.3 or higher. BSP Kernel revision 2.6.22.9-61.fc6 or later is also required. Service is required to upgrade from earlier Accxes revisions.

This version of Accxes has been tested with:

- 6604/6605 printers running version 1.1.4 firmware and version 1.63 scanner firmware.
- 6204 printers running version 1.1.4 firmware.
- 6279 printers running version 1.00.15 firmware.

Accxes Client Tools

Download the file named “<Controller>_<Printer>_<Accxes_version>.disk.bin”. A status sheet will be printed and indicate that the download was successful.

Web Printer Management Tool

Select Utilities > Upload > [Upload File](#). Use the Browse button to select the “<Controller>_<Printer>_<Accxes_version>.disk.bin”. Click on the “Upload” button. A printed status sheet will indicate that the download was successful.

UNIX®

Download the software using LPR with the following command line:

```
lpr -P printername "<Controller>_<Printer>_<Accxes_version>.disk.bin"
```

A status sheet will be printed and indicate that the download was successful.

New Features in 14.1

None.

New Features in 14.0

Support for 6604 /6605

This version of Accxes server now supports the latest multi-function systems from Xerox, the 6604 and 6605. This product includes new scanner and scanning/copying modes.

Scan to Network Service Split

The “Scan to Network” Service previously available on the touch screen has been split into “Scan to FTP” and ‘Scan to Remote Printer” (Total Accxes) to provide more service specific functionality.

Color Calibration for Scan to Remote Printers

The Scan to Remote Printer service has the ability to calibrate for specific media and printers to provide enhanced color scanning. The calibration is accomplished through the touch screen user interface on the 6604/6605 systems by pressing the “Calibrate” button and following the simple instructions.

Preview of Scanned Images on Touch Screen UI

The touch screen UI can now display the scanned image as it is scanned in or view after the scan to zoom in to see the details. These display features can be enabled and disabled by the system administrator for security conscious customers.

A new checkbox has been added to the main screen of the Copy and Scan services to enable/disable the preview. When enabled, the scanned image will be displayed scaled to fit on the Touch Screen UI as the document is scanned.

On the Recall tab of the Copy and Scan services the user can recall the last scan by pressing the “Last Scan” button. This brings up a viewer which allows the user to zoom and pan around the scanned image to ensure that the appropriate details were captured correctly.

Job Reprint for Copy and Print Jobs

From both the Web Printer Management Tool and the touch screen UI the user can now select a job and have it reprinted. Jobs are selected from the “Reprint” tab on the main queue page OR the Job Information Service on the UI.

Additionally, after selecting a single job the user can edit many of the job parameters to prior to reprinting. This allows for a proof job to be submitted with one copy or on a smaller size and then reprinted at full size or for multiple copies.

The Job Reprint feature can be enabled or disabled by the Administrator. When enabled, the administrator can specify how long jobs are kept available. Job availability can be set for as little as one hour to as much as a week, provided there is sufficient disk space.

Thumbnail View of Jobs in Job Queue

The Web and touch screen UI’s can now display a thumbnail of the first page of the job. The thumbnail if enabled by the administrator displays in the Job Queue with each rendered job. A thumbnail is NOT available for display until the first page of the job has been rendered and is ready for printing.

Initial SNMP Support

Version 14.0 includes some initial support for SNMP V1/V2. It can be configured from the Web Interface by the administrator. Support for Printer Printer-Port-Monitor and Host Resource MIBs are present. Traps can also be configured. This support provides remote access to billing meters, media information, and toner levels from facilities management applications like Centroware Web.

Release Notes

The following information supplements the 14.0 customer user guides.

Internet Explorer® 6.0

Internet Explorer 6.0 only does not display the Total Accxes preview image when using Web Printer Management Tool.

Controller

Stamp Does Not Appear

If the user tries to upload a stamp files that contains an invalid format, or if the Accounting Mode is set to “Enabled”, no error message will be displayed. The Web Printer Management Tool screen will display a message that the file was uploaded successfully and the stamp’s filename will not appear in the “Printer Resident Stamps” list. To avoid this situation, set the Job Accounting mode to “Optional” before uploading stamps. The Web Printer Management Tool has no knowledge of the validity of any file that is sent to the printer. File validation and error handling is done on the printer by the FreeFlow Accxes controller. The Web Printer Management Tool only reports that the file was sent to the printer successfully.

Scaling Interaction with “ANY”

The media size “ANY” will select the best sheet size for an image to prevent clipping. If a user specifies a media size of “ANY” and a scale factor that makes the image too large for any sheet size and mismatch mode is set to scale, the controller will select the largest sheet size and scale the image to fit on it. If this is not the desired behavior, a specific sheet size can be selected, or the media mismatch mode can be set to QUERY.

Margins May Cause Clipping

If the margins (TOP, BOTTOM, RIGHT and LEFT) are set to a non-zero value (5mm is the default) then that amount of whitespace will be added to the image before placing it on the media and could cause part of the image to be shifted off the page, or clipped. To correct this problem set the margins to 0.

CGM Files and Folding

Certain CGM files contain rotation commands which can confuse the system when folding. If the title block is not visible or the plot is bypassed and not folded, change the title block location to obtain a correctly folded document.

Manual Feed

Manual feed media source will be ignored when used with the Accxes Client Tools' page composition feature

Go to Accxes Client Tools > Job Option tab > Composition tab > Select Overlay Images > Media Source drop down menu. Although "Manual Feed" is listed as a choice of media source for page composition jobs, the print job will be treated as if AUTO media source was selected. If an appropriate roll of media is available, it will be printed on that media; otherwise, the job will query until the correct roll media is installed. In addition, other Media Source selections will be treated as AUTO if an appropriate roll of media is available in a different roll.

InstantAccxes

When using InstantAccxes folders on an IPv6 network DNS server is recommended and you must reference the system directly as shown below:

- Vista: Start>Run> \\<Controller Name>
- Linux: smb://<Controller Name>

InstantAccxes Folders not accessible from MAC® on IPv6

InstantAccxes folders are not accessible to systems running MAC OS 10.4 or earlier versions on IPv6 networks.

Web Printer Management Tool

TotalAccxes copies Setting does not function

When defining a remote printer for use with TotalAccxes there is a selection for "Copies" which is NOT applied to the job and should be ignored.

Printer Queue – Main Web Printer Management Tool Screen

The FreeFlow Accxes Controller supports a maximum of 120 active printer jobs in the queue and 8 active copy jobs. If subsequent jobs are sent before the 128th prints, ports will refuse connections and there can be scan errors; when there are fewer jobs in the queue, the jobs can then be resubmitted or scanned. Additionally, completed jobs will be removed from the queue display immediately to make room for the newly submitted print jobs. To avoid these issues, keep the number of active print jobs to under the 128 limit.

Note

More than 128 files can be sent from the Document Submit Tool as one print job, but all of the files in the print job must have printed before sending subsequent jobs, or the jobs will be refused.

German users only

Zum Drucken von Etiketten mit Umlauten DRUCKERVORGABEN > DRUCKER-EINSTELLUNG > Plot-Etiketten wählen. Anschließend im Dropdown-Menü für Fonts einen der folgenden Fonts wählen: HP2 Stick Font Latin - 1 oder HP2 Stick font Latin - 1 – Proportional.

Large Scaling Factors

Images set to scale beyond the largest installed roll will not scale beyond the largest width unless a specific roll is selected, a specific page size is selected, or mismatch mode is set to something other than scaling. This is a behavior that has changed from previous releases (prior to 9.0).

For example: The largest roll installed is 36". Scaling is set to 999%. Submit an ARCH E sized drawing (Media Size = Any, Mismatch = Scaling). The drawing will not be scaled.

In order for the output to exhibit the desired scaling factor, one of the following conditions must be met:

What to do:

Set Mismatch Mode to Substitute

- Request a Media Size of ARCH E via Web Printer Management Tool, ACT, or the Driver
- Request a Media Size 36" Roll via Web Printer Management Tool, ACT, or the Driver

HPGL Page – End of File

If the files are streamed via any port on the system, these are treated as a single job and no reset is done between them. However, if one uses the LPD protocol to send the files one at a time, the effect is that the printer is reset after each job. If the "Reinitialize after EOF" is set to be on, the FreeFlow Accxes firmware will reset the printing parameters after each plot file that is received by a serial port or a parallel port. To reset the HPGL parameters on the Web Printer Management Tool, select Printer Defaults > Emulations > HPGL. Click on the box in front of "Reinitialize after EOF". Click on the "UPDATE PRINTER" button.

Default PostScript Page Size

If a PostScript job does not specify a page size (either by using a compatibility operator such as "letter", or "a4", or by using the setpagedevice operator /PageSize parameter), the page size used is the one specified by the Default PostScript Page Size parameter available via the printer user interface, or via the Web Printer Management Tool.

“Printer has been updated” Message

If the user presses the “UPDATE PRINTER” button without actually making changes first, the Web Printer Management Tool will still return a message that the printer was updated. The Web Printer Management Tool cannot distinguish a page that has been modified from one that has not been modified. This is because of the “stateless” nature of the http protocol and the fact that no events are generated (html) when text values are entered or items are selected. When the “UPDATE PRINTER” button is pressed, all the data on the form is gathered and sent to the server. If the data is valid, the printer is updated and “The printer was updated successfully.” message is returned. If inappropriate data is sent, an error message is returned. To verify valid changes to printer settings, a test print can be printed to view the changed settings.

Scan to Print and Margins

When performing a scan-to-print operation the scanned image is printed using the current printer processing defaults including margins. If the image scanned is exactly the width of the paper, then the processing default margins should be set to zero to prevent the image from being clipped or placed on a larger sheet of paper.

Scaling Shaded Documents

Scaling documents with error diffused shaded areas should be done in a photo mode to produce the best image quality. Line mode tends to exaggerate the shading dots making them more visible.

Disk Image Overwrite

Overview

The Disk Image Overwrite feature has two operations: Immediate and On Demand. The immediate operation overwrites image data on the hard drive immediately after it is no longer needed (i.e. When the page has printed). The On Demand operation cleans the entire disk. Both On Demand Image Overwrite and Immediate Image overwrite feature are configured by the system administrator, assuming that the system administrator password is set to a non-zero value.

Algorithm

The overwrite algorithm for both IIO and ODIO conforms to the U.S. Department of Defense Directive 5200.28-M (Section 7, Part 2, paragraph 7-202), and is common to all WorkCentre/WorkCentre Pros and Accxes controllers.

The algorithm for the Image Overwrite feature is:

1. Pattern #1 is written to the sectors containing temporary files (IIO) or to the entire spooling area of the disk (ODIO). (hex value 0x35 (ASCII “5”).
2. Pattern #2 is written to the sectors containing temporary files (IIO) or to the entire spooling area of the disk (ODIO). (hex value 0xCA (ASCII compliment of 5)).
3. Pattern #3 is written to the sectors containing temporary files (IIO) or to the entire spooling area of the disk (ODIO). (hex value 0x97 (ASCII “ú”).

4. 10 % of the overwritten area is sampled to ensure Pattern #3 was properly written. The 10 % sampling is accomplished by sampling a random 10 % of the overwritten area.

Note

See Online Help in Web Printer Management Tool for more details about using the Image Overwrite feature.

Touch Screen for 6279/6604/6605 Specific Notes

Overview

This section is clarification to the existing documentation available for the Touch Screen UI which is used on the 6279 and 6604/6605 systems.

Timer Reset Button

This button will reset the timer value to the previous setting, NOT to the factory default setting.

Shared Settings

Many of the setting for Scan-to-Mailbox Scan-to-Remote-Printer and Scan-to-FTP are shared and so many of the settings made on one will stay when selecting the other.

Can't interrupt multi-page/set operations

When creating a collated copy set or a multi-page scan file you cannot leave the Service to enter another service like machine info to change administration settings. To allow the user to do so would force an abort of the current scanned job or potentially change a setting which should have applied to all pages and so produce an inconsistent set.

Managing Multi-page document sizes

When creating a multi-page document it is important to use an appropriate resolution for the application. A 600 dpi scan in full color is 38MB per inch (for 36" wide doc) and even with JPG compression will create files which quickly approach or exceed 1GB. Unless the application warrants a high resolution scan, it is recommended that 200-300 dpi be used or limit the number of pages to keep file sizes manageable.

Speeding up Remote Print Times

When scanning a document to a remote printer it is important to use an appropriate resolution for the application. A 600 dpi scan in full color will take significantly longer to process than a 200 or 300 dpi scan. Unless the application warrants a high resolution scan, it is recommended that 200-300 dpi be used to increase productivity.

Installing and removing feature keys

The 6279 and 6604/6605 systems must be in an idle state, not in a power-saving state when installing or removing feature keys. In a power-saving state some components are powered down and cannot respond to feature key changes.

Any Sheet page sizes

When submitting a job where the media size is set to "ANY_SHEET" all standard page sizes will be used to identify a good fitting sheet. Standard page sizes include all ANSI, ARCH, ISO A, ISO B, 30x42, 17x25, 22x36 and extended ISO sizes like 297x1189, 297x841, 420x841, 594x1189, 841x2378.

Changing settings on Instant Accxes folders

When settings are changed on Instant Accxes folders, the folder usually needs to be re-shared to the network. This may cause InstantAccxes folders which are open on client workstations to become invalid until the user closes the folder and re-opens it.

Printing Custom Size Documents

When printing non-standard size documents on the 6279 or 6604/6605, setting media mapping to "Any_roll" and setting mismatch mode to "Scale" produces the best results and prevents clipping.

Web Printer Management Tool Reports Out of Toner Until Next Job

On the 6279 and 6604/6605 if an out of toner condition occurs the Web Page will report the IOT status as out of toner until the next job is processed even if toner is loaded into the system. The printer User Interface will report it correctly.

TotalAccxes prints extra media to an Accxes driven printer

When submitting large prints (ARCH E) via TotalAccxes to an Accxes driven printer it may produce an oversize print.

"Please Wait" Message

Occasionally when inserting one document immediately after another the printer user interface will display a "please wait" message until it is ready for the document. If this message remains displayed for more than a few seconds, remove the newest document and re-insert to begin your scan.

Copying ARCH-E size prints

To maximize copying of ARCH-E size prints always copy them using the preset output format ARCH-E. When copied in synchro mode it is likely that ARCH-E documents will scan as 1220mm and will incur unneeded pauses between printing pages. The 6204 IOT will pause between pages which are greater than ARCH-E (48 inches 1219 mm) in length for the fuser to come all the way back to full temp even if it is in the nominal fuser temperature range.

Sluggish Response While Scanning

Occasionally under heavy load, the system, especially the User Interface, has been seen to respond slowly. Response times usually speed up once the active jobs are completed. If they do not a reboot of the system will restore proper operation.

6604/6605 Specific Notes

Scanner Fails to Accept Document

If the scanner fails to accept and scan a document and does NOT display an error message it is necessary to open and close the scanner to reinitialize it for continued operation. The scanner may take up to 10 seconds to initialize after closing.

Copy Template Viewing

When attempting to view a copy template with “Blue Line” as the original type the system will shutdown. Any other original type will be displayed correctly.

GFI Finishing Specific Notes

Title-Block Icons

The title block icons in the copy service show page orientation for face down scanning, but the 6604/6605 scanner is a face-up scanner. To properly orient the copy document it must be flipped left-to-right from the title-block image on the UI. If the user is scanning a document with a title-block in the lower right corner, the UI image selected must have the dashed title-block in the lower left corner.

Gera Mondial B6

Due to end of roll conditions or roll switch conditions, the system may appear to be hung or unresponsive. The system can be reengaged simply by pressing the green folder reset button on the folder. By pressing the reset button, the system will begin again with the pages currently queued. Enhancements have been made to the system to allow for the reset as expected.

Windows® 2008 security settings and TotalAccxes

When using TotalAccxes on Windows 2008 servers, you must make some security setting changes to allow for the configuration of remote destinations. One of the following will work.

1. Enable scripting.
 - a. Go to Tools->Internet Options->Security
 - b. Click on 'Custom level...' for the 'Internet' security zone.

- c. Scroll down until you reach the category 'Scripting' and set 'Active Scripting' to enabled.
2. Add the site to the trusted sites zone
 - a. Navigate to the page you wish to allow to work
 - b. Go to File->Add this site to->Trusted Sites Zone
3. Disable the Internet Explorer Enhanced Security Configuration
 - a. Open the Server Manager
 - b. Click on 'Configure IE ESC'
 - c. Turn off IE ESC for either Administrators or Users as seen fit.

Customer Issues Resolved

The following issues were resolved in 14.1 build 210.

Issue Description	Problem	Resolution
SPAR# 705162484 – 6279 PS/PDF file doesn't select correct roll	When roll 3 or 4 is specified for a PS/PDF file on a 6279, the roll request is ignored.	The PS/PDF interface was updated to allow 4 rolls and 2 trays in the 6279 configuration.
SPAR# 694448103 – Rendering setting in copy>Advanced cannot be saved	The rendering setting in copy mode was allowed to change, but would not be remembered.	Fix UI system to save rendering setting for copy mode.
SPAR# 941696583 – 6604/05 scanner doesn't scan after upgrade to 1.63	After updating to scanner version 1.63 the scanner becomes inoperable due to enhanced range checking.	Added scanner diagnostics which allows the CSE to reset NVM values and adjust lead and trail edge registration.

The following issues were resolved in 14.0 build 162.

Issue Description	Problem	Resolution
SPAR# 529003086 – JBOSS error with Web Printer Management Tool	The Web interface was not properly handling connections from browser applications which did not identify themselves. In this case a custom application which polled Web pages for information.	The Web interface now handles browsers which do not identify themselves.
SPAR# 067213713 – Some parts of PDF file not printed correctly	The postscript interpreter was not displaying certain parts of the image correctly.	A modification was made to allow more of the interpreter settings to be adjusted at run-time. This adjustment can be enabled or disabled by service using downloadable files.
SPAR# 842053501 – Changing the PDF optimize setting on the 510 UI caused the system to crash.	Internal code issue with handling this legacy switch.	The internal problem was addressed which prevents the system from crashing.

Issue Description	Problem	Resolution
SPAR# 696285405 – Paper series SPA1 does not work on touch-screen UI.	The text for the 620mm roll was not included in the display list for this screen.	620mm paper was added to the list and it now displays correctly.
SPAR# 549518944 – CGM line types don't match references	Boeing identified a couple line types which did not match the current accepted styles.	The line types have been updated to the currently accepted styles.

The following issues were resolved in 14.0 build 200.

Issue Description	Problem	Resolution
SPAR # 691800243, 381685353, 236038684 – 510 printer with folder hangs displaying “printing” message.	The 510 IOT occasionally was not properly starting a print cycle when a folder was attached.	The Accxes server now detects this situation and will restart the print cycle with the IOT to allow printing to resume automatically. Please note, the folder should be powered on LAST to ensure proper functionality of this fix.
SPAR # 299676173 – not able to plot certain file correctly.	When rotating this HP-GL file certain raster elements were not properly handled.	These elements are now rotated correctly. System Default > Transform>Single Bit Scale Mode must be set to “Fast” or “Line Optimized” for scaling to be correct.
SPAR # 970701013 – Problem creating sets build with Wide Format Scan System	When creating sets with documents which had to be rotated using the Wide format Scan System could cause occasional crashes.	Rotation code corrected.
SPAR # 410023344, 133783352, 787891316, – Wide Format Scan System won't come out of power save	The FTP server would cause a crash if performing too many directory operations. This is typical if a mailbox polling application (ACT/DRT, Q-Series) is allowed to run for several days.	Corrected FTP directory routine.
SPAR # 839869848 – Plotter hung randomly building sets	Same FTP issue as above.	Corrected FTP directory routine.
SPAR # 051482065 – Degenerate ARC in CGM not printing correctly.	A CGM arc of zero degrees was printing too long.	Corrected drawing routine to properly draw degenerate CGM arc.

