

Setting Up Xerox® DocuMate® Scanners for Use with Xerox® FreeFlow MakeReady® Application

The purpose of this document is to assist in the installation/upgrade/set-up of Xerox® DocuMate® scanners (models DM700/DM4700/DM4790/DM4799) and their associated drivers/software for correct functionality with Xerox® FreeFlow MakeReady® software.

The following topics will be covered:

1. Configuring Xerox® FreeFlow MakeReady® software for use with TWAIN™ drivers
2. Installing the latest Visioneer® DriverPLUS drivers and Visioneer Acuity Image Processing software
3. Configuring scanners in 'Combo' mode (A3 flatbed and A3 ADF)
4. Brief overview of key settings



Xerox® DocuMate® 700



Xerox® DocuMate® 4700



Xerox® DocuMate® 4790



Xerox® DocuMate® 4799

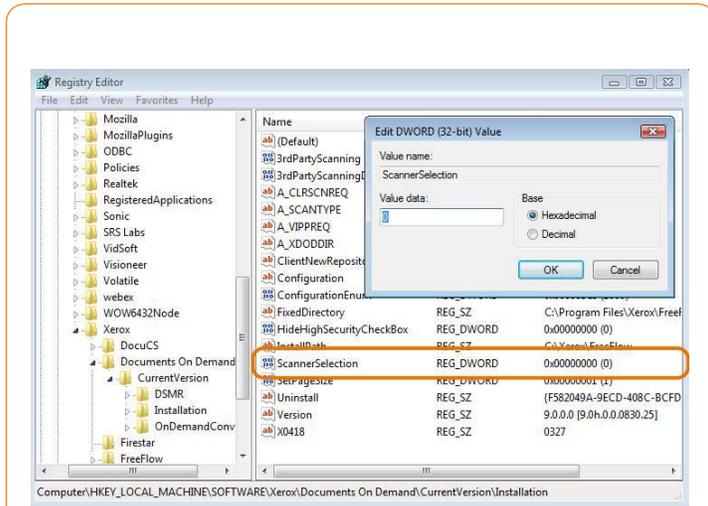
Important:

Before starting any of the following tasks, ensure you are logged into Windows as a Local Administrator. Attempting these tasks as anything else can lead to unpredictable consequences and unfavorable results.

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1. Configuring FreeFlow MakeReady

i) To ensure the installation and testing goes smoothly, you are required to check the following registry entry is set correctly.



- Close the FreeFlow MakeReady application
- Open the Registry Editor (Start>Run>regedit>'Enter')
- Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\Xerox\Documents On Demand\CurrentVersion\Installation
(See screenshot above)
- Open 'ScannerSelection' for editing, and set for '0'. Click 'OK'
- Close the Registry Editor

ii) FreeFlow MakeReady should now be ready to use with your TWAIN scanner driver.

2. Driver Installation

i) Before any installation/upgrade begins, ensure that you have the latest drivers for the scanner(s) you will be installing. These can be found at www.xeroxscanners.com. You will need both the DriverPLUS driver and the Acuity installer packages for all scanners being installed. (See below)



Note:

When installing more than one type of scanner, do not attempt to use older non-DriverPLUS drivers with DriverPLUS drivers.

ii) When carrying out a driver upgrade, before proceeding ensure that the scanner(s) are powered off or disconnected from the PC, and all currently installed drivers and/or software related to the scanner(s) are uninstalled completely using the Windows Control Panel installed programs removal option.

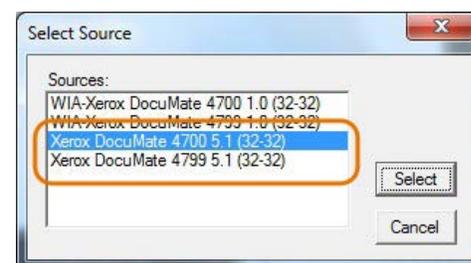
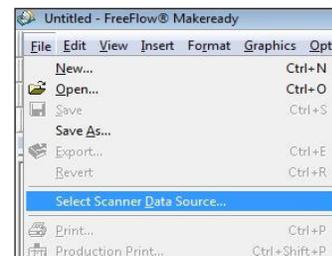
iii) The drivers and software should be installed in the following order. Deviation from this could cause undesirable results and/or non-functionality of the scanner drivers with FreeFlow MakeReady. If no flatbed scanner is being used, ignore a) & b), and just install the ADF scanner packages.

- A3 flatbed scanner (DM700 or DM4700) driver msi package
- A3 flatbed scanner (DM700 or DM4700) Acuity msi package
- A3 ADF scanner (DM4790 or DM4799) driver msi package
- A3 ADF scanner (DM4790 or DM4799) Acuity msi package

iv) When prompted during the installation process, connect the scanner to the PC and power on. It is strongly advisable to connect the USB cable(s) directly to the back of the PC, and not use the front USB ports or an external USB hub, as this can cause communication issues.

v) When using a flatbed scanner (DM700 or DM4700), they have the functionality to allow the ADF scanner (DM4790 or DM4799) to connect directly into the back of the scanner, creating a 'daisy chain'. This option is useful when there are a limited number of available USB ports on the back of the PC, but can increase image transfer times.

vi) After all drivers and software have been successfully installed, open FreeFlow MakeReady, and go to 'File>Select Scanner Data Source'. A window will open showing the available scanner sources.

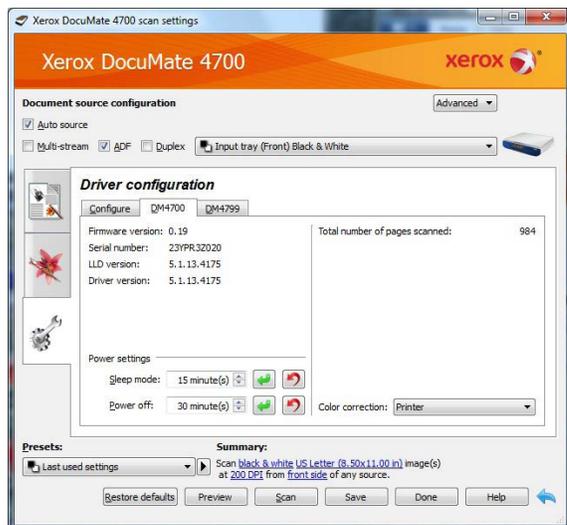
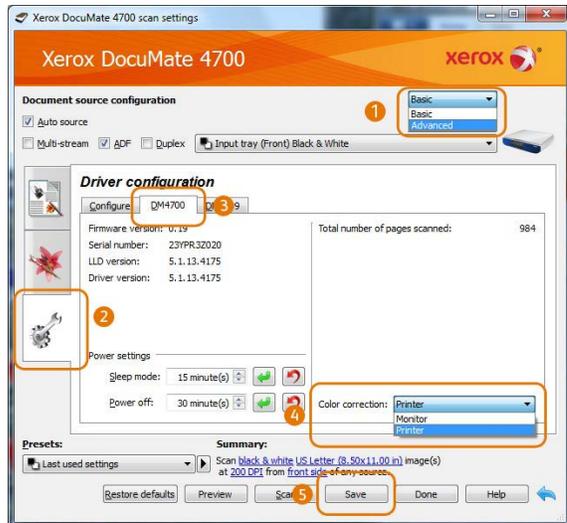


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vii) Select each scanner in turn to verify the installation was successful by scanning a test page.

Do not select a scanner source with 'WIA' in the listed name. Results will be less than desirable due to a limited feature set, and are untested in this environment.

viii) During the test phase, when the 'Scan' button has been clicked, the Driver UI will be displayed. First, set driver to 'Advanced' (Dropdown 1), and then navigate to the following tabs (shown below) for your installed scanner(s).



ix) Locate the 'Color Correction' drop-down. There are two choices available:
"Monitor" uses Gamma tables optimized for LCD display and should be used for image archiving.
"Printer" uses Gamma tables optimized for reproduction and recommended for use with FreeFlow MakeReady in a production print environment.

x) Select the Color Correction best suited to your work environment, and click 'Save'.

Note:

If using flatbed and ADF scanners, it is advisable to set the Color Correction the same for both.

xi) Once testing has been concluded, and your scanners are working as expected, you can either combine the scanners as shown in the next section, or move directly to the last section.

3. Combining Scanner Drivers

i) This can only be achieved after completing section '2. Driver Installation'. If you are not using a flatbed scanner, or wish to keep the scanners drivers separate then this section can be skipped.

ii) Depending on your Operating System, navigate to the corresponding hardware device page in the Windows Control Panel.

For Windows XP and Windows Vista

Navigate to "Scanners and Cameras" window

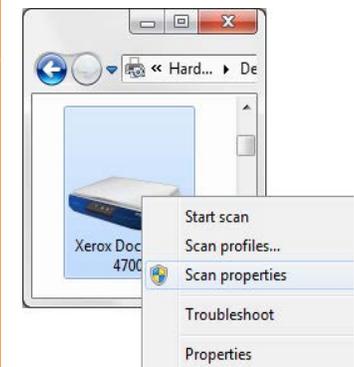
Right-click on the flatbed scanner, and select 'Properties'



For Windows 8 and Windows 7

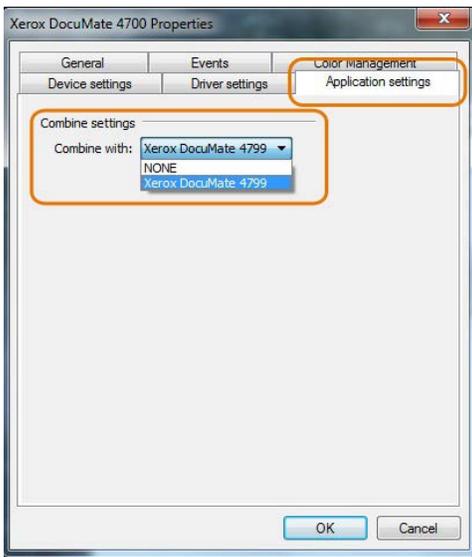
Navigate to "Devices and Printers" window

Right-click on the flatbed scanner, and select 'Scan Properties'



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iii) From the following window, select 'Application Settings' tab.



iv) From the drop down box, select your installed ADF scanner. Click 'OK'

v) A pop-up will appear asking to power cycle the scanner. After doing so and the scanner is ready, click 'OK'. Close all remaining open windows.

vi) Open FreeFlow MakeReady, go to 'File>Select Scanner Data Source'. A window will open showing the available scanner sources. (See Section 2. vi) Select the flatbed scanner you have installed (DM700 or DM4700).

vii) Initiate a scan. The driver UI will appear.

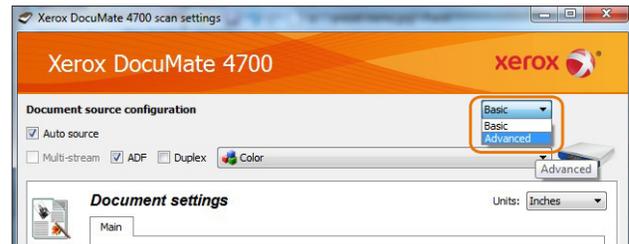
Note:

The combined driver's settings are applied to either scanner when called by FreeFlow MakeReady. The subtleties of this are covered in the next section.

4. Driver Settings Overview

This section shows where in the driver UI the key features can be enabled/disabled, and how to set default presets in the driver.

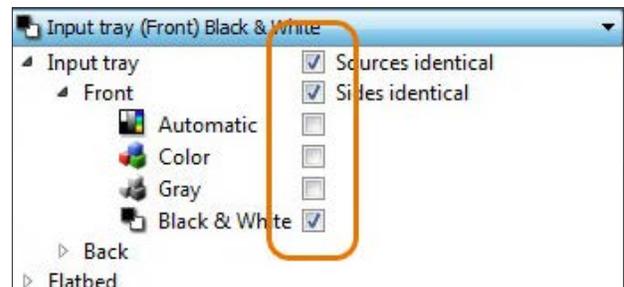
i) To enable access to the advanced features, first select 'Advanced' from the drop-down menu. 'Basic' is the default.



ii) When using the 'Combo' mode, it is advisable to enable both 'Auto source' and 'ADF'. This means that when you click 'Scan' in the UI, if there are no documents in the ADF, the flatbed will automatically scan, and vice-versa.



iii) To change the scan mode from Black & White to Color, use the dropdown as shown below. To enable your selection, place a check mark in the relevant box. (Advanced view shown below)



iv) The next few images show where in the driver UI key features can be found and a brief summary. For more detailed information, please refer to the manual on the scanner's DVD, or click the 'Help' button. Also, there are tooltips which display when hovering your mouse pointer over the item in question. It should also be noted that not all features are available in all scan modes (Color/B&W/etc.)

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Document Settings – Main

This is the first screen you will see upon launching the UI for the first time.

Here you have access to all of the base features for setting up the scanner(s)



Document Settings – Advanced

These are advanced settings/adjustments to 'tweak' or enhance features enabled on the first screen.

<ScannerName> tab shows features specific to the scanner(s) installed.

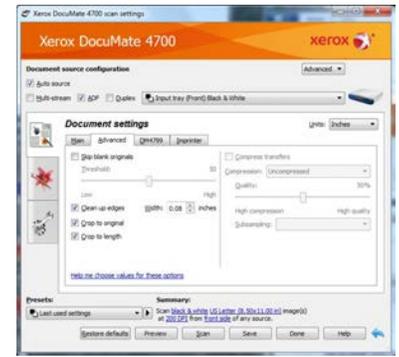


Image Enhancements – Main

This page is for fine tuning the image scan parameters. Brightness, Contrast, etc.



Image Enhancements – Advanced

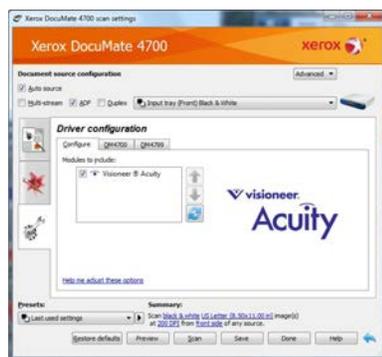
Additional advanced features to complement the other settings.

Smooth and Remove background features



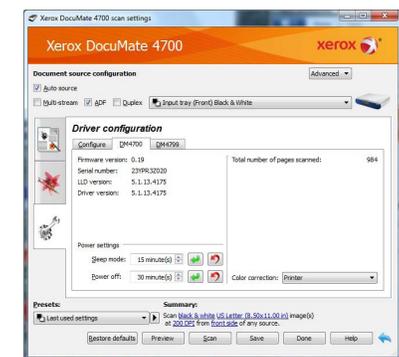
Driver Configuration – Configure

This is where add-in modules, like Acuity are enabled/disabled.



Driver Configuration – <Scanner Name>

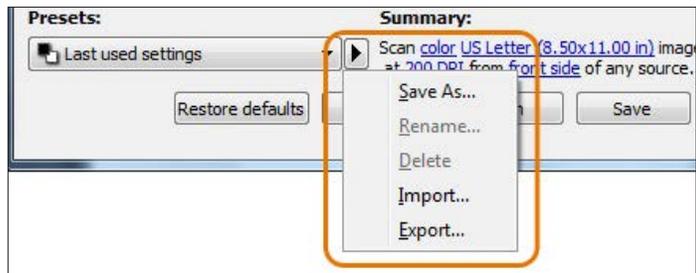
Displays the scanner and driver technical information, including scan/roller counts and the ability to set the scanner inactivity/sleep timing.



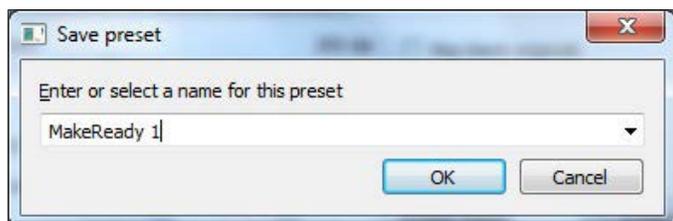
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v) Driver Preset can make an operator's life very easy once configured. Launching the UI, they select the required preset and all of the saved scan parameters are loaded automatically.

vi) Once all of the required parameters/settings are set, click on the arrow next to the Presets drop-down list.



vii) Select 'Save As...'. And the following will appear. Enter your preferred name for the Preset and click 'OK'



viii) The saved preset will be displayed in the drop-list and can be selected by the operator every time the UI is launched.

ix) Another feature is that you can choose a preset to be loaded by default when the UI is launched. This can be set for each individual scanner when **not** in 'Combo' mode, otherwise it will be applied to both when in 'Combo' mode.

This is set in the device's Hardware properties page (See Section 3. ii). Click on the 'Driver Settings' tab. From the drop-down, select your preferred 'Default preset'. Click 'OK' to save & exit.

