

Supplement

ArtixScan DI 4020 features, scenarios, and information

Getting to Know Your ArtixScan DI 4020

The ArtixScan DI 4020 is a color document scanner with an attached Automatic Document Feeder (ADF) feature that can hold up to 100 sheets of paper for unattended scanning. Also, the ArtixScan DI 4020 offers 600-dpi optical resolution and duplex document scanning.

Contents

Getting to Know Your ArtixScan DI 4020	1
Features of the ArtixScan DI 4020	2
Taking a Closer Look	4
Positioning Your Documents	5
Scanning Scenarios	6
A. Scanning a Single-sheet Document	7
B. Scanning a Stack of Documents	9
C. Scanning Multiple Frames	11
D. Scanning for Archiving	13
E. Scanning for Copying	14
F. Scanning for OCR	15
Customizing the Function Buttons	16
Care and Cleaning	18
Cleaning the Scanner Glass	18
Cleaning the Mylar Cartridge	18
Cleaning the Rollers	19
Cleaning the Inner Glass Surface.....	21
Maintenance.....	22
Replacing the Separation Pad Assembly	22
Replacing the Feed-Roller Assembly	23
Specifications	24
System Requirements	24
FCC Compliance Statement	25



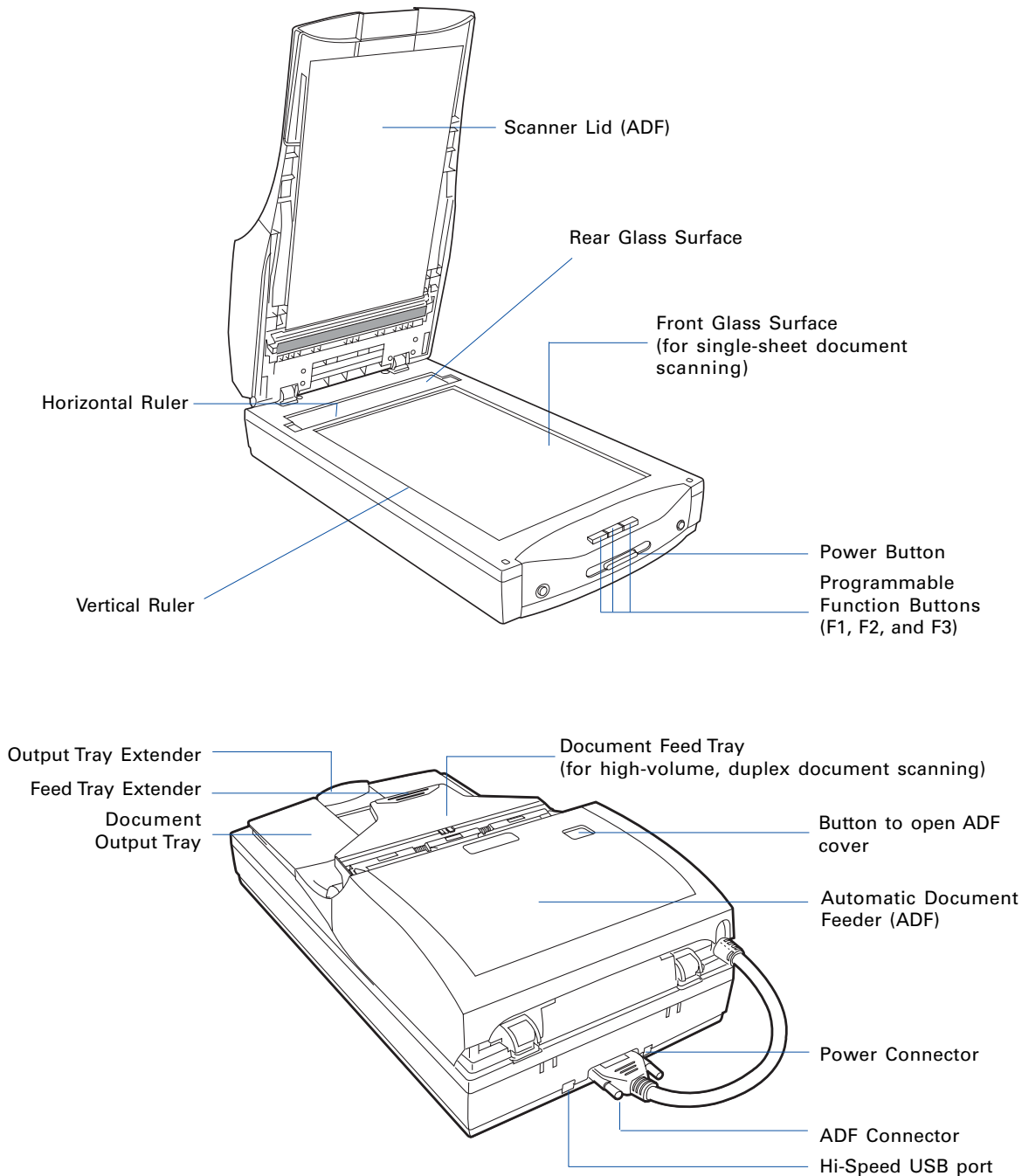
Features of the ArtixScan DI 4020

The ArtixScan DI 4020 comes with several important features, including the following:

- Automatic Document Feeder (ADF) — The high-capacity ADF for the ArtixScan DI 4020 holds up to 100 sheets of paper, supporting dimensions from 2.75" x 2.75" up to 8.5" x 14" (legal size).
- Duplex scanning support — With the use of the ADF, both sides of a document can be scanned with the scanner.
- Automatic paper loading — Paper put in the Document Feed Tray of the ADF is automatically sensed by the scanner, and the tray automatically rises to the correct position in preparation for scanning.
- Hi-Speed USB port — Hi-Speed USB is capable of data transfer rates of up to 480 MB/sec, providing the high data transfer rate via the included Hi-Speed USB cable.
- Three programmable function buttons — The programmable function buttons on the front panel of the scanner provide you with an intuitive and easy way to access scanner functions.
- New and Advanced Microtek ScanWizard DI software — All-in-one control panel offers a host of features and image adjustment controls. Supporting the TWAIN driver, ScanWizard DI also features full document scanning tools and on-screen proofing. Its multi-scanning area and preview option allow you to obtain quick scans in the preview window. It comes out several distinguished advantages:
 - Paper count : The paper count allows user to keep track of all scan actions from both flatbed and ADF. This feature helps to estimate when you may need to replace the rubber or separation pad, or to apply maintenance and service to your scanner, making the use of your scanner more effectively.
 - Save multiple images as a single file : This advanced feature allows user to save multiple scanned images as a single file, depending on the number of the scanned images that are defined for document archival.
 - Auto-crop and auto-deskew : The auto-crop function automatically detects the size of the original image, crops the full scan frame to fit the image, and removes unwanted black borders. The auto-deskew function automatically corrects distorted images for proper alignment.
 - Color dropout : Red, green and blue colors can be dropped out to allow for clearer and more accurate forms processing with problematic color documents.

- Preset Setting : This feature allows you to save the pre-defined scanning values, and then retrieve them later for scanning same types of materials, which brings fast and convenient access for users.
- Document Enhancement : This feature brings out and improves the readability of text in a document that includes other elements such as color, pictures, or graphs.

Taking a Closer Look

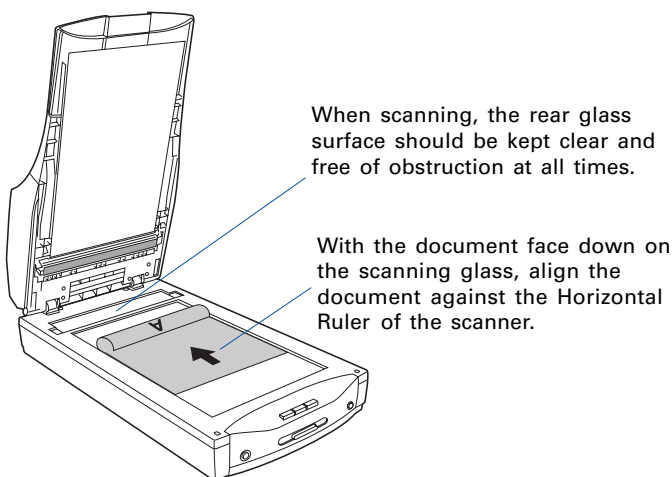


Positioning Your Documents

This section shows you how to position a single-sheet document, as well as a stack of documents.

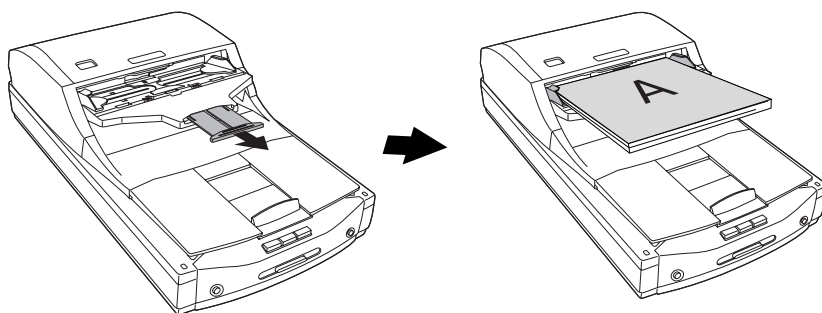
To position a single-sheet document (such as a single photograph or a page from a book):

Raise the scanner lid, and place the document to be scanned face down on the scanner glass surface. Place the top end of the document towards the back of the scanner, then lower the scanner lid on the scanner glass surface.



To position a stack of documents:

Pull out the Feed Tray Extender, and load the stack of originals onto the Document Feed Tray, with the side to be scanned facing up. Push the stack of papers onto the tray until the papers' edges touch the front edge of the Document Feed Tray.



Scanning Scenarios

The following pages provide various scenarios for scanning with the ArtixScan DI 4020, including the following:

- Scanning a single-sheet document. This scenario can also be your first scan in order to familiarize yourself with scanning basics.
- Scanning a stack of documents. This scenario utilizes the ADF to scan a stack of documents.
- Scanning multiple scan frames. This scenario lets you scan as many scan frames as you wish and set as many different scan frame attributes as you require. The sample scenario uses a document with mixed text and pictures to illustrate the creation of a main scan frame along with other subframes.
- Scanning for archiving. This scenario utilizes the ADF to scan documents for archiving.
- Scanning for copying. This scenario utilizes the ADF to send documents to your printer.
- Scanning for OCR. This scenario utilizes the OCR function to scan a text document and convert it to a fully editable text file.

A. Scanning a Single-sheet Document

1. Place the single-sheet document to be scanned on either the scanner glass surface or on the ADF's Document Feed Tray.

Warning:

- Do not place photo paper or fragile sheets of paper on the feed tray, as doing this will damage the original photo or fragile sheet during the feeding process. Always place frail originals on the scanner glass surface and choose "Flatbed" as your Scan Source.
 - Before scanning the document from the ADF, make sure the flatbed scanning area is clear of any obstruction. Otherwise, a scanning error may occur.
2. Launch *ScanWizard DI* (either as a stand-alone by clicking the program icon, or by using the "File-Import" or "Scan" command from an application program).
 3. Specify your scanning requirements in the ScanWizard DI control panel.
 - a) Select your image output device in the Scan Source drop-down menu.
 - Select *Flatbed* if you place the document on the scanner's glass surface.
 - Select *ADF (Simplex)* or *ADF (Duplex)* if the document is fed from the ADF's Document Feed Tray.
 - Select *ADF (Simplex)* to scan one side of the document.
 - Select *ADF (Duplex)* to scan both sides of the document.
 - b) Select your image output type in the Scan Type drop-down menu.
 - Select *RGB Color* (24 bits) to scan the image in color.
 - Select *Grayscale* (8 bits) to scan the image in grayscale.
 - Select *Black & White* (1 bit) to scan the image in black-and-white.
 - c) Select a dimension in the Paper Size drop-down menu as your preview image size.

If the Auto-crop option is selected, the scanner automatically detects the size of the original image, crops the full scan frame to fit the image, and removes unwanted black borders after the scan.
 - d) Select your desired image output resolution in the Resolution drop-down menu.

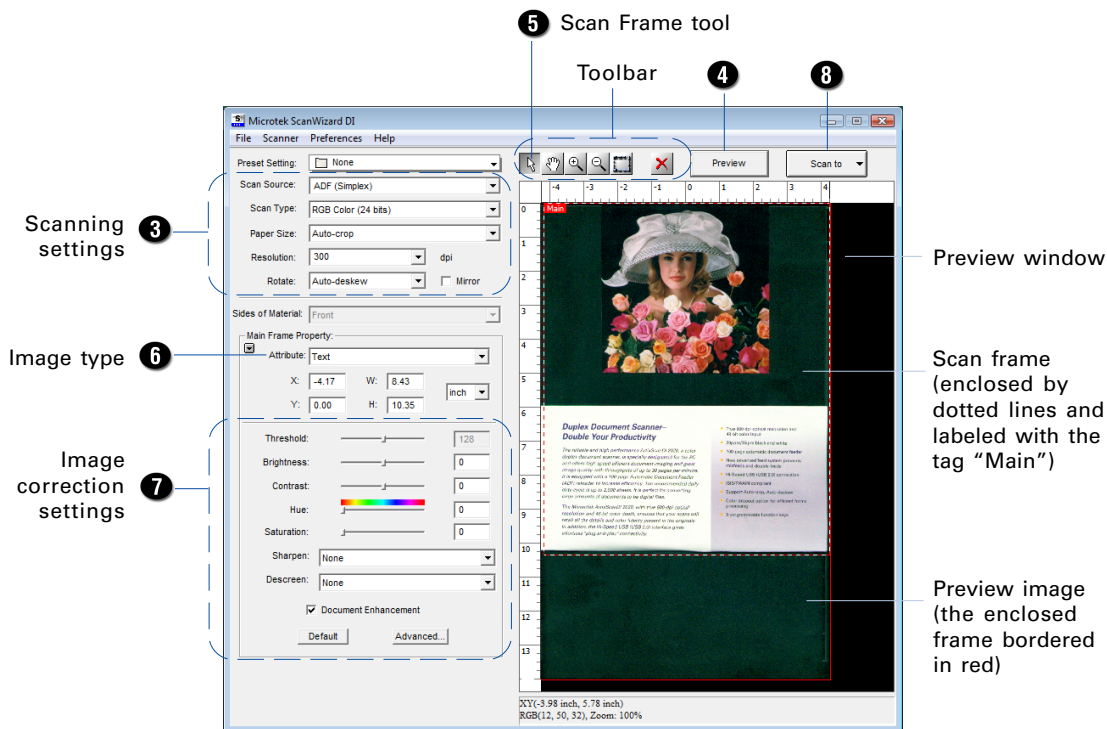
Note: *The maximum resolution can be set for the duplex scanning is 300 dpi. Any setting more than 300 dpi will be dropped down automatically to 300 dpi.*

4. Click the *Preview* button to perform a preliminary view of the entire image. When done, a preview image appears in the preview window.
5. Click the *Scan Frame* tool button to adjust the size of the scan frame (enclosed within the red dotted lines and labeled with the tag "Main"). Drag on the edge or corner of the scan frame to resize the scan frame.

6. Select the your image type in the Attribute drop-down menu.
 - Select *Line Art* to scan line art images (images in one color or in black-and-white, such as logos or mechanical blueprints).
 - Select *Photo* to scan color prints.
 - Select *Text* to scan text.
7. If necessary, adjust image quality by using the image correction tools.
8. Click the *Scan* or *Scan To* button to start scanning.

If ScanWizard DI is launched from an image-editing program, the scanned image is delivered after the scan to your application, where the image can be saved, printed, or modified further.

If ScanWizard DI is launched as a stand-alone program, the scanned image can be saved after the scan to a file, opened in an image-editing program, or sent to a printer.



B. Scanning a Stack of Documents

1. Place the stack of documents to be scanned on the ADF's Document Feed Tray.

Warning:

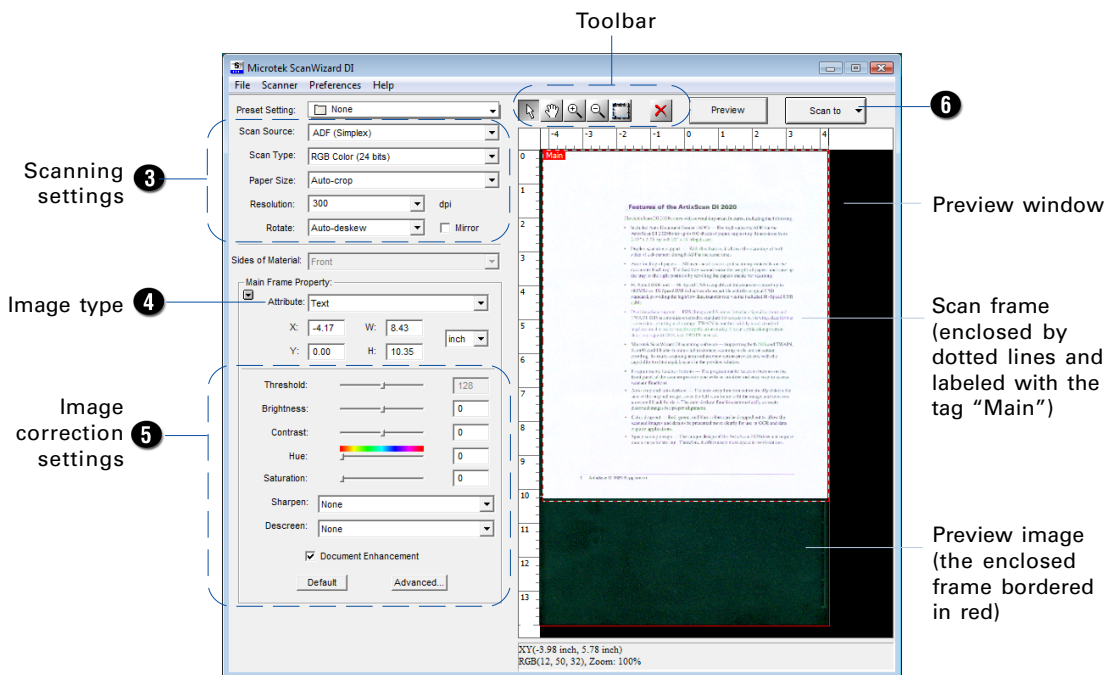
- Do not place photo paper or fragile sheets of paper on the feed tray, as doing this will damage the original photo or fragile sheet during the feeding process. Always place frail originals on the scanner glass surface and choose “Flatbed” as your Scan Source.
 - Before scanning the document from the ADF, make sure the flatbed scanning area is clear of any obstruction. Otherwise, a scanning error may occur.
2. Launch *ScanWizard DI* (either as a stand-alone by clicking the program icon, or by using the “File-Import” or “Scan” command from an application program).
 3. Specify your scanning requirements in the ScanWizard DI control panel.
 - a) Select *ADF (Simplex)* or Select *ADF (Duplex)* in the Scan Source drop-down menu as your image input device.
 - Select *ADF (Simplex)* to scan one side of the document.
 - Select *ADF (Duplex)* to scan both sides of the document.
 - b) Select your image output type in the Scan Type drop-down menu.
 - Select *RGB Color* (24 bits) to scan the image in color.
 - Select *Grayscale* (8 bits) to scan the image in grayscale.
 - Select *Black & White* (1 bit) to scan the image in black-and-white.
 - c) Select a dimension in the Paper Size drop-down menu as your preview image size.
If Auto-crop is selected, the scanner automatically detects the size of the original image, crops the full scan frame to fit the image, and removes unwanted black borders after the scan.
 - d) Select your desired image output resolution in the Resolution drop-down menu.
Note: The maximum resolution can be set for the duplex scanning is 300 dpi. Any setting more than 300 dpi will be dropped down automatically to 300 dpi.
 4. Select the your image type in the Attribute drop-down menu.
 - Select *Line Art* to scan line art images (images in one color or in black-and-white, such as logos or mechanical blueprints).
 - Select *Photo* to scan color prints.
 - Select *Text* to scan text.
 5. If necessary, adjust image quality by using the image correction tools.

- Click the *Scan* or *Scan To* button to start multiple, automatic scanning.

If ScanWizard DI is launched from an image-editing program, the scanned image is delivered after the scan to your application, where the image can be saved, printed, or modified further.

If ScanWizard DI is launched as a stand-alone program, the scanned image can be saved after the scan to a file, opened in an image-editing program, or sent to a printer.

Note: After you click the *Scan* or *Scan To* button, the stack of papers to be scanned moves automatically to the correct position in preparation for scanning to take place.



Before you use the ADF extensively, you may wish to use the “Preview” feature

Previewing can be useful to see if the physical mechanism in your ADF is working properly in conjunction with the ScanWizard DI scanning software. Previewing requires only the use of a single sheet of paper (with some text or material on it). Once the paper-scanning mechanism is established and verified, you can then proceed to use the ADF extensively and with assurance.

To do the preview, follow the steps below:

- Load a piece of paper from the paper stack into the ADF's Document Feed Tray.
- Click the *Preview* button to perform a preliminary view of the entire image. When done, a preview image appears in the preview window.

At this moment, the previewed page is delivered to the document tray from the ADF's Document Feed Tray. Load the previewed page, along with the paper stack to be scanned, on the ADF's Document Feed Tray. You are now ready to scan.

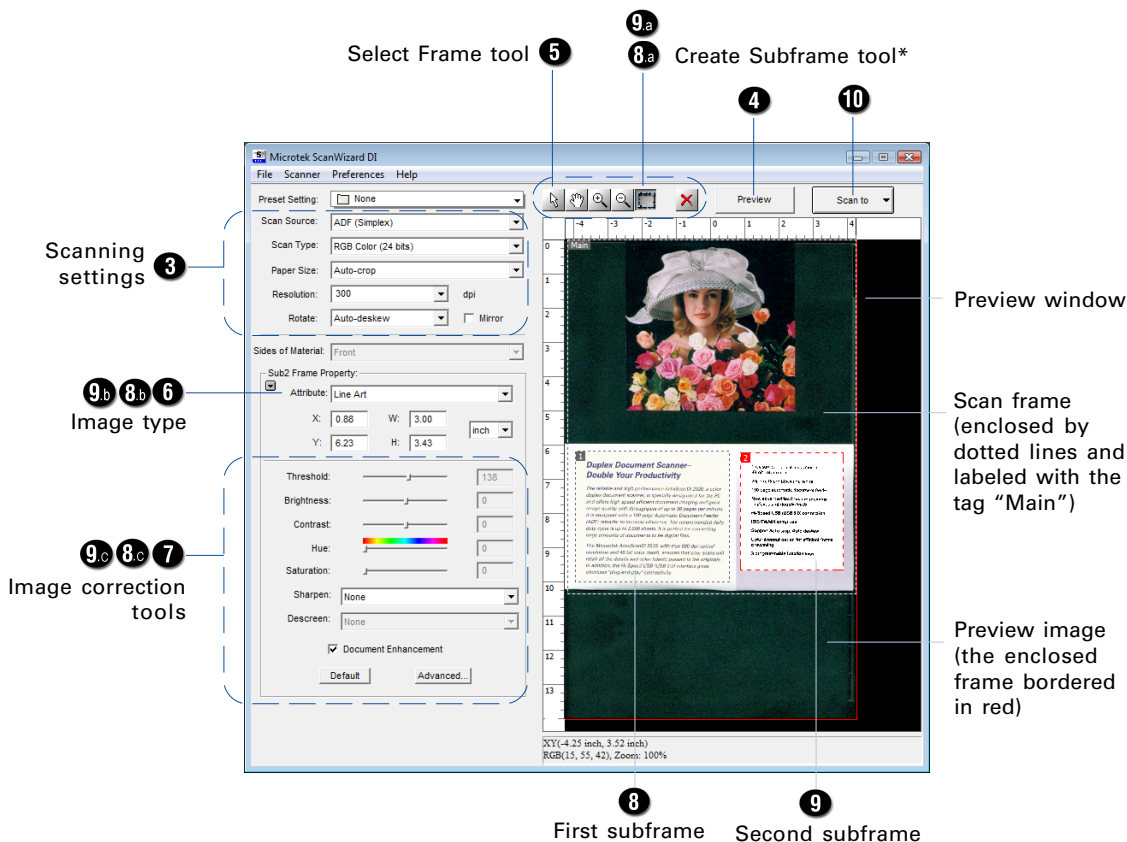
C. Scanning Multiple Scan Frames

1. Place the single-sheet color print to be scanned on either the scanner glass surface or on the ADF's Document Feed Tray.
2. Launch *ScanWizard DI* (either as a stand-alone by clicking the program icon, or by using the "File-Import" or "Scan" command from an application program).
3. Specify your scanning requirements in the ScanWizard DI control panel once ScanWizard DI is launched.
 - a) Select your image output device in the Scan Source drop-down menu.
 - Select *Flatbed* to scan the image from the scanner's glass surface.
 - Select *ADF (Simplex)* or *ADF (Duplex)* to scan the image from the ADF's Document Feed Tray.
 - b) Select *RGB Color (24 bits)* in the Scan Type drop-down menu as your image output type.
 - c) Select a dimension in the Paper Size drop-down menu as your preview image size.
 - d) Select your desired image output resolution in the Resolution drop-down menu.
4. Click the *Preview* button to perform a preliminary view of the entire image. When done, a preview image appears in the preview window.
5. Click the *Scan Frame* tool button to adjust the size of the scan frame (enclosed within the dotted lines and labeled with the tag "Main"). Drag on the edge or corner to resize the scan frame.
6. Select *Photo* in the Attribute drop-down menu as your image type for the main scan frame.
7. If necessary, adjust image quality by using the image correction tools.
8. Specify the **first** subframe.
 - a) Click the *Create Subframe* tool button. Move the mouse pointer to the text area, then drag to create a rectangle and enclose the text area.
 - b) Select *Text* in the Attribute as your image type for the selected scan frame.
 - c) If necessary, adjust image quality by using the image correction tools.
9. Specify the **second** subframe.
 - a) Click the *Create Subframe* tool button. Move the mouse pointer to the drawing picture area, then drag to create a rectangle and enclose the picture area.
 - b) Select *Line Art* in the Attribute as your image type for the selected scan frame.
 - c) If necessary, adjust image quality by using the image correction tools.

10. Click the *Scan* or *Scan To* button to start scanning.

If ScanWizard DI is launched from an image-editing program, the scanned image is delivered after the scan to your application, where the image can be saved, printed, or modified further.

If ScanWizard DI is launched as a stand-alone program, the scanned image can be saved after the scan to a file, opened in an image-editing program, or sent to a printer.



*Create Subframe tool

The Create Subframe tool lets you create a new scan frame within the enclosed scan frame that is labeled with the tag "Main". When a new scan frame is generated, the enclosed scan frame is selected in red dotted lines. The newly added subframe is automatically labeled in series (with tag "1", "2", etc.).

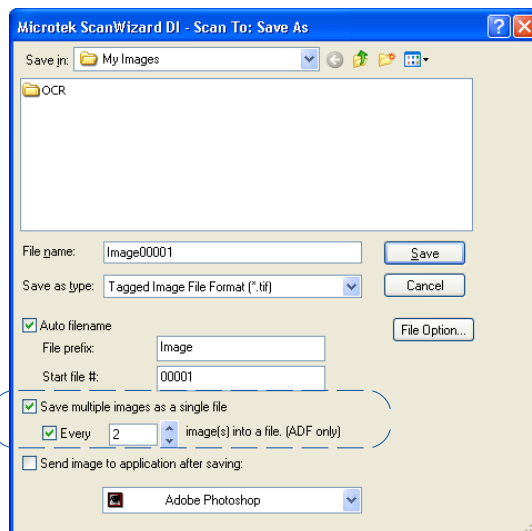
D. Scanning for Archiving

The archiving function allows the scanner to scan documents for recording purposes. For instance, an image “record” can be kept of a multiple-page legal document or of important documents, such as birth certificates and tax records.

1. Place the documents to be scanned on the ADF's Document Feed Tray.
2. Launch *ScanWizard DI* in stand-alone mode by clicking the program icon on the desktop.
3. Follow the procedures (steps 3 through 5) for “Scanning a Stack of Documents” to specify your scanning requirements.
4. Click the *Scan To* button to open the “Scan To: Save As” dialog box.

In the “Scan To: Save As” dialog box, specify the following settings:

- a) Key in your preferred file name in the “File prefix” edit box, or use the default “Image” as a root file name.
- b) Select your required export file format. Save the file as TIF, PDF, or DCX, which enables the “Save multiple images as a single file” option in the next step.
- c) Check the “Save multiple images as a single file” option to store all the scanned images as a single file if desired.



If you scan the documents through the ADF and enable “Save multiple images as a single file”, you are allowed to specify how many images you would like to be saved in a single file after scan.

Check the “Every %image(s) into a file “ option, and then enter your desired number in the edit box directly or click the up/down arrow to increase/decrease the number. The range is from 2 to 100 images.

5. Click the *Save* button.

The originals are sequentially scanned until the stack of documents is depleted; when finished, all the scanned images are saved as a single file.

E. Scanning for Copying

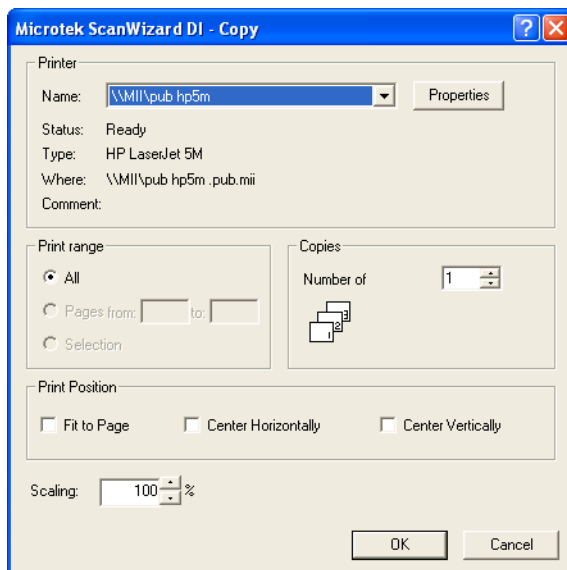
The copy function allows the scanner work like a copier with your printer, with documents printed successively without interruption. This lets you transform your scanner and printer into a convenient copy station.

1. Place the documents to be scanned on the ADF's Document Feed Tray.
2. Launch *ScanWizard DI* in stand-alone mode by clicking the program icon on the desktop.
3. Follow the procedures (steps 3 through 5) for “Scanning a Stack of Documents” to specify your scanning requirements.
4. Click the *Scan To* button and hold down the mouse until the options menu appears, then select *Copy* to open the “Copy” dialog box.

In the “Copy” dialog box, specify the following settings:

- a) Select a default printer or any alternative printer from the options.
- b) Specify the number of copies to be made.
- c) Select a scale ratio for increasing or reducing the size of the scanned image.

If the “Fit to Page” option is checked, the “Scaling” setting is disabled.



5. Click the *OK* button.

The originals are sequentially scanned until the stack of documents is depleted; when finished, all the scanned images are sent to the specified printer.

F. Scanning for OCR

The OCR (Optical Character Recognition) function allows the scanner to convert a scanned document into text that can be edited from any word processing application.

1. Place the documents with text to be scanned on the ADF's Document Feed Tray.
2. Launch *ScanWizard DI* in stand-alone mode by clicking the program icon on the desktop.
3. Follow the procedures (steps 3 through 5) for “Scanning a Stack of Documents” to specify your scanning requirements

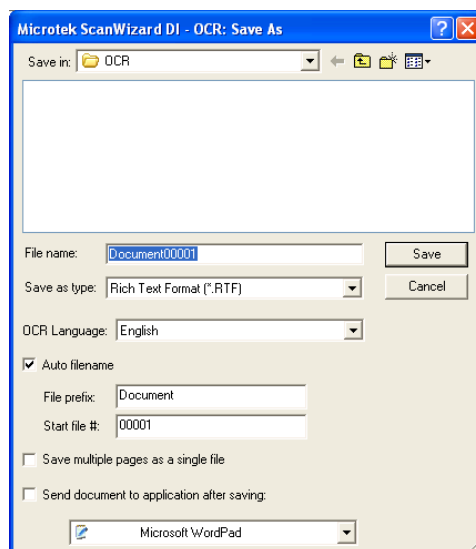
In step 3d, the recommended resolution is 300 dpi or above for OCR.

In step 4, choose *Line Art* as your image type to obtain best OCR results. When *Black & White* is your chosen mode in the Scan Type options, *Line Art* should be the selected image type.

4. Click the *Scan To* button and hold down the mouse until the options menu appears, then select *OCR* to open the “OCR” dialog box.

In the “OCR: Save As” dialog box, specify the following settings:

- a) Key in your preferred file name in the “File prefix” edit box, or use the default “Document” as a root file name.
- b) Select your required export file format. Save the files as RTF and TXT, which enables the “Save multiple pages as a single file” option in the next step.
- c) Check the “Save multiple pages as a single file” option to store all the scanned images as a single file if desired.
- d) Select your preferred language from the “OCR Language” options. The available options are English, German, French, Italian, Spanish, and Chinese.
- e) Check the “Send document to application after saving” option, then choose your word processing application from the options.

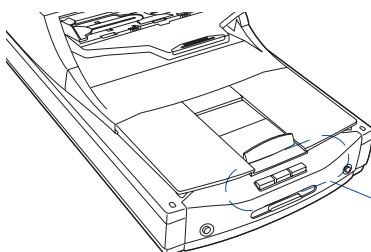


5. Click the *Save* button.

The originals are sequentially scanned until the stack of documents is depleted; when finished, all the scanned images are saved as a single file. The saved file can now be opened from your chosen application and is ready to be edited.

Customizing the Function Buttons

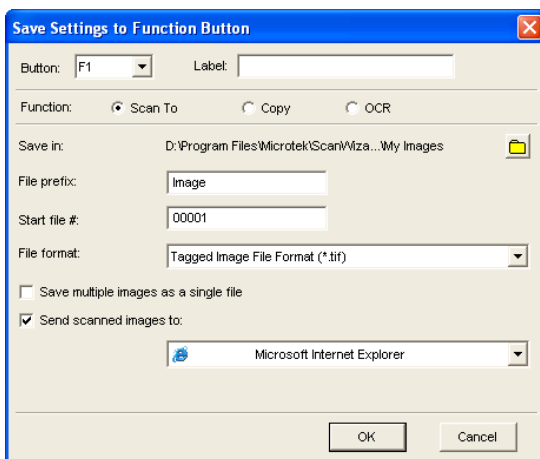
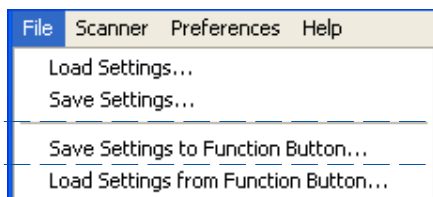
The ArtixScan DI 4020 is equipped with 3 programmable function buttons (F1, F2, and F3) that can be customized to automate a number of predefined operations, such as scanning to a file, sending an image to your printer, scanning for OCR, etc. Customizing is done through the “Save Settings to Function Button” command, as explained below.



F1 F2 F3

3 Programmable Function buttons

1. Launch ScanWizard DI (either as a stand-alone by clicking the program icon, or by using the “File-Import” or “Scan” command from an application program).
2. Follow the procedures (steps 3 through 6) for the “Scan a Stack of Documents” section to specify your scanning requirements in the ScanWizard DI panel.
3. When you finish specifying the scanning settings, choose the “Save Settings to Function Button” command from the File menu. The dialog box appears.

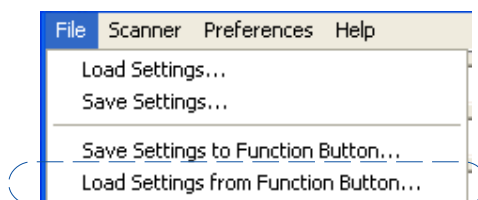


4. In the dialog box, specify your requirements for the button that you wish to define (F1, F2, or F3).
 - a) Select F1, F2, or F3 (e. g., F1) to be defined from the *Button* options.
 - b) Key in your preferred string in the *Label* edit box for the selected function button.
 - c) Make your selection among the *Function* radio buttons below to define your selected button. The three functions provided are:
 - **Scan To:** Captures images that can be automatically saved as files or sent to another application for further processing. This is the default selection.
 - **Copy:** Scans the image and sends it to your printer, transforming your scanner and printer into a convenient copy station. Simply specify the number of copies you want.
 - **OCR:** Performs OCR (Optical Character Recognition) of a document and converts it to a fully editable digital file. Saves time from retyping documents into your word processor.
5. Specify the function settings according to your requirements, then click the OK button. The parameters currently specified for your selected function button are saved. To define another custom function button if desired, follow steps 2 through 5 of this section.

Note: When you have finished the settings for the desired function buttons, you will need to exit ScanWizard DI before pressing the function button on the scanner to carry out the defined task. If you press a function button on the scanner while ScanWizard DI is activated, the scanner only performs a preliminary scan of the image.

To browse the settings of your original function button (in case you do not remember the settings that you assigned previously), use the “Load Settings to Function Button” feature.

To do this, select the “Load Settings to Function Button” command from the File menu, choose the function button to be previewed, and click the OK button.



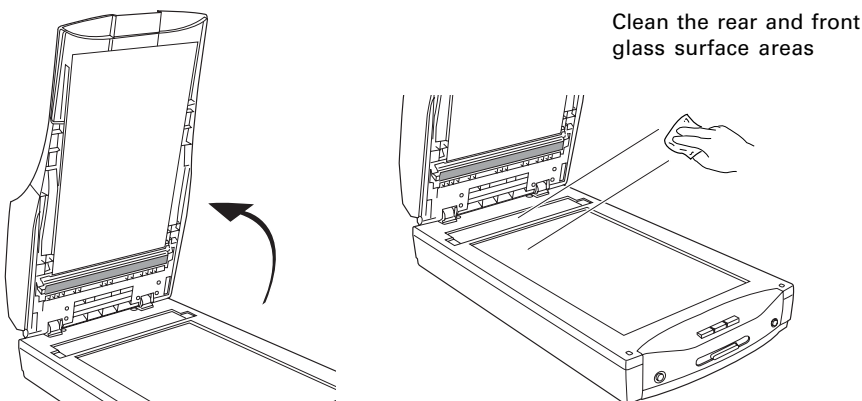
The saved function button settings are restored to the ScanWizard DI control panel. You can then continue to use these settings until you need to specify new settings for the buttons.

Care and Cleaning

To ensure optimal performance from the ArtixScan DI 4020, it is important to clean several critical parts of the scanner on a regular basis.

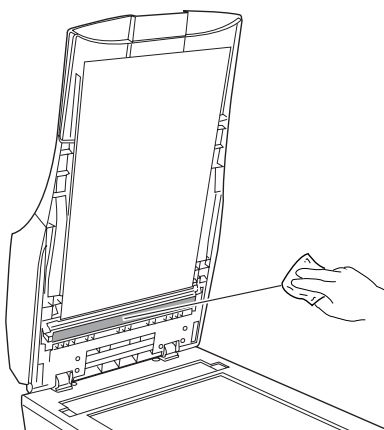
Cleaning the Scanner Glass Surface

Lift the ADF, then use a soft, non-abrasive and lint-free cloth to gently wipe the rear and front glass surface areas on the scanner flatbed. Do not use any detergents, synthetic cleaning solutions, cleaning naphtha, or other solvents to clean the glass surface directly.



Cleaning the Mylar Cartridge

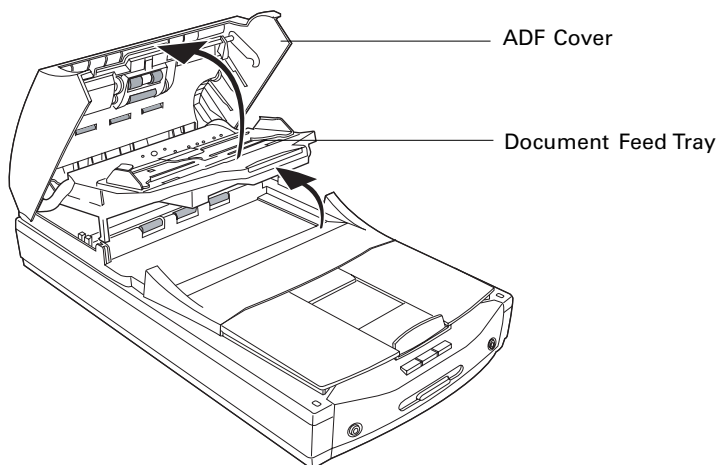
Use the same kind of cloth for cleaning the scanner glass surface to clean the black Mylar cartridge located at the bottom of the ADF.



Cleaning the Rollers

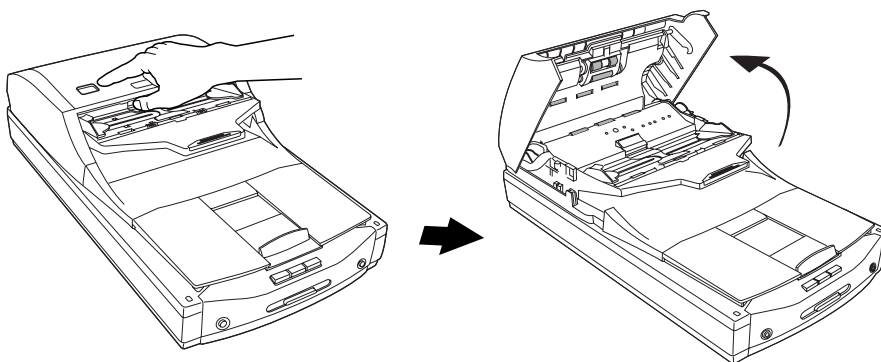
Prolonged use of the ADF may result in accumulation of ink and other residue on the feeder's rollers, affecting their efficiency. Clean the rollers periodically to maintain performance.

Note: Rollers are found in two areas of the ArtixScan DI 4020: Directly under the ADF cover, and under the Document Feed Tray..

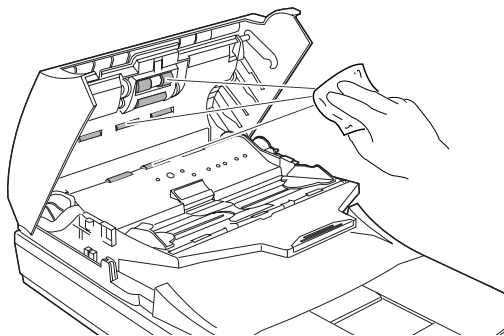


To clean the rollers under the ADF cover:

1. Push the button at the top of the ADF to release and lift up the ADF.

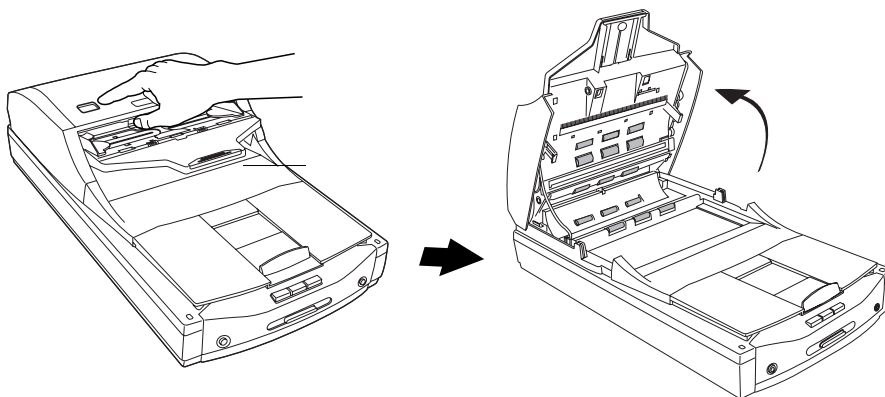


2. Clean the rollers with a lint-free cloth or a swab moistened with water, as shown in the graphic below.

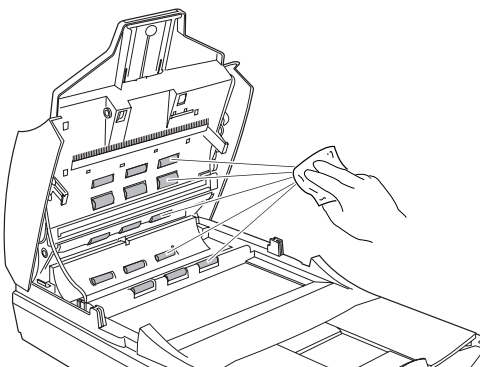


To clean the rollers under the Document Feed Tray:

1. Push the button at the top of the ADF, then lift the Document Feed Tray along with the ADF cover.

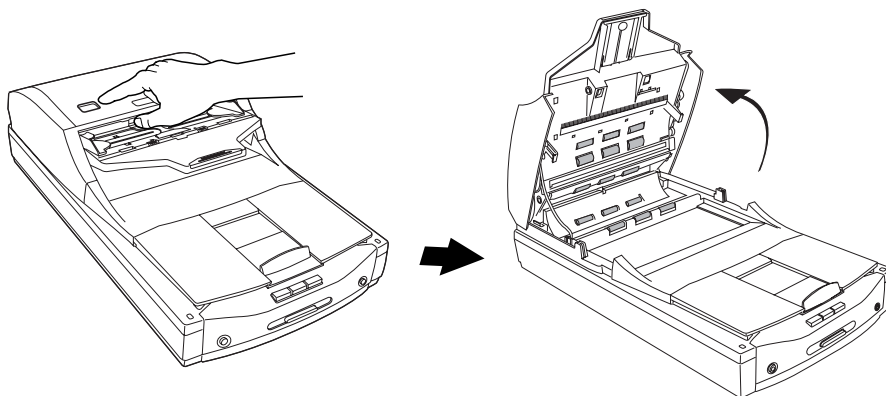


2. Clean the rollers with a lint-free cloth or a swab moistened with water.

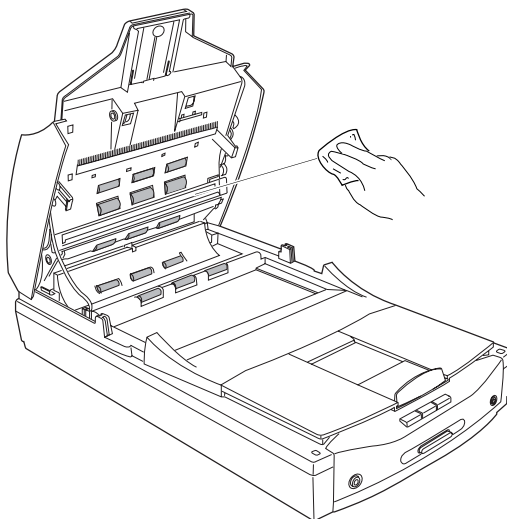


Cleaning the ADF Glass Surface

1. Push the button at the top of the ADF, then lift the Document Feed Tray along with the ADF cover.



2. Using a soft and non-abrasive, lint-free cloth, clean the inner glass surface of the ADF gently and carefully.



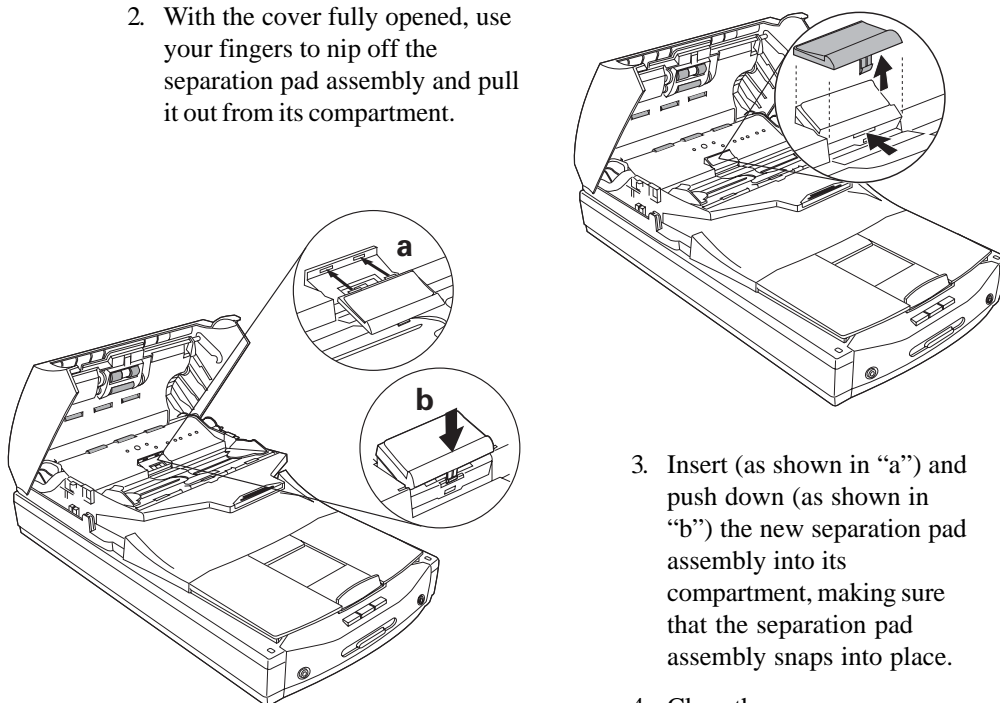
Maintenance

The separation pad assembly and the feed-roller assembly in your Automatic Document Feeder (ADF) are designed to make document feeding smooth. After usage for a period of time, the separation pad assembly and feed-roller assembly may become worn, and a problem such as a document double-feed may occur. In this case, check either the separation pad assembly or the feed-roller assembly, and replace them if needed. Follow the procedure below for replacement of the separation pad assembly and feed-roller assembly.

Note: A black separation pad assembly comes installed with the ArtixScan DI 4020 for use with scanning paper that weigh from 16 to 30 lbs. An additional black separation pad assembly also comes with your scanner package for replacement. The recommended replacement point for the two separation pad assemblies is approximately 30,000 sheets. Take note that the additional separation pad you received depends on the configuration of the scanner purchased.

Replacing the Separation Pad Assembly

1. Push the button at the top of the ADF, then move the cover of the ADF up to see the separation pad assembly, as indicated in the graphic below.
2. With the cover fully opened, use your fingers to nip off the separation pad assembly and pull it out from its compartment.

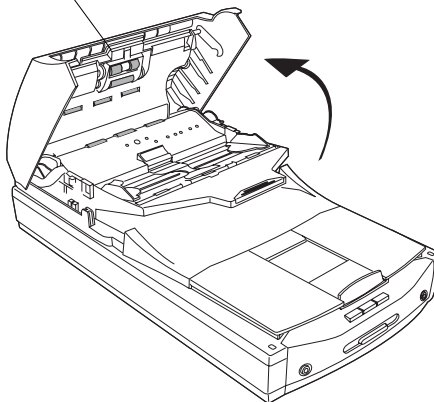


3. Insert (as shown in “a”) and push down (as shown in “b”) the new separation pad assembly into its compartment, making sure that the separation pad assembly snaps into place.
4. Close the cover.

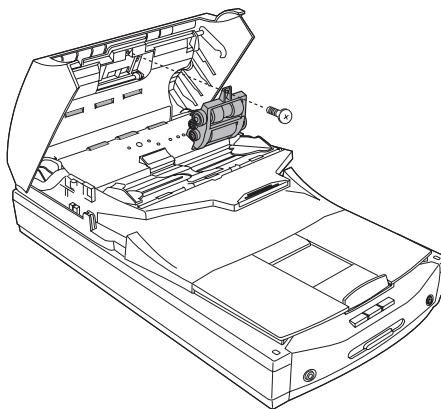
Replacing the Feed-Roller Assembly

1. Press the button at the top of the ADF, then move the cover of the feeder up to see the feed-roller assembly, as indicated in the graphic below.

Feed-Roller Assembly



2. With the cover fully opened, loosen the screw on the cover with a screwdriver, and pull out the feed-roller assembly carefully.



3. Insert and push down the new feed-roller assembly into its compartment, making sure the feed-roller assembly snaps into place. Tighten the screw back on the cover.
4. Make sure the feed-roller assembly is attached to the feed cover properly, then close the feed cover.

Note: The recommended replacement point for your feed-roller assembly is after scanning approximately 150,000 sheets through the ADF.

Specifications

Type	Desktop color ADF scanner with flatbed		
Scanning modes	Color, grayscale, and black-and-white in a single scanning pass		
	Input:		
	48-bit color input (Approx. 281 trillion colors)		
	16-bit grayscale (Approx. 65,536 shades of gray)		
	Output:		
	24-bit color (Approx. 16 million colors)		
	8-bit grayscale (Approx. 256 shades of gray)		
Resolution	600 (H) x 1200 (V) dpi		
Scanning speed	Simplex: 40 ppm, at 200 dpi, A4/line art		
	40 ppm, at 200 dpi, A4/grayscale		
	26 ppm, at 200 dpi, A4/color		
	Duplex: 66 ipm, at 200 dpi, A4/line art		
	58 ipm, at 200 dpi, A4/grayscale		
	33 ipm, at 200 dpi, A4/color		
Scanning area	Flatbed: Legal: 8.5" x 14" (215.9 mm x 355.6 mm)		
	ADF: Legal: 8.5" x 14" (215.9 mm x 355.6 mm)		
Feeder capacity	100 sheets of copy bond paper (Unfolded)		
Paper weight	10 to 30 lbs. (30 - 115 g)		
Paper size	Min: 2.75" x 2.75" (70 mm x 70 mm)		
	Max: 8.5" x 14" (215.9 mm x 355.6 mm)		
Duty cycle	2000 pages per day		
Interfaces	Hi-Speed USB (USB 2.0)		
Dimensions (L x W x H)	21.65" x 11.81" x 6.10" (550 mm x 300 mm x 155 mm)		
Weight	13.4 lbs. (6.1 kg)		
Voltage	AC 100V to 240V, 47-63 Hz, 2A Max (Input)		
	15V DC, 4A (Output)		
Power consumption	60 W (Max)		
Power supply	<u>Manufacturer</u>	<u>Model No.</u>	<u>Voltage</u>
(AC/DC adapter)	SPECLIN	S60-150400-WH01	100V to 240V
	HARD	HDAD60W102	110V to 240V
Environment	Operating temperature: 50° to 95°F (10° to 35°C)		
	Relative humidity: 20% to 85%		

Important

Specifications, software bundles, and accessories are subject to change without notice. Not responsible for typographic errors.

System Requirements

- CD-ROM drive (for installing software)
- Color display with 24-bit color output capability
- 512 MB RAM or above
- Pentium IV PC or higher with Hi-Speed USB (USB 2.0) port
- Microsoft Windows 2000, XP or Vista

FCC Compliance Statement

This equipment (Model: MRS-1200U2A) has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: *A shielded Hi-Speed USB interface cable with ferrite core installed on the scanner connector end must be used with this equipment.*

Caution: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice to ArtixScanDI 4020 Scanner Users

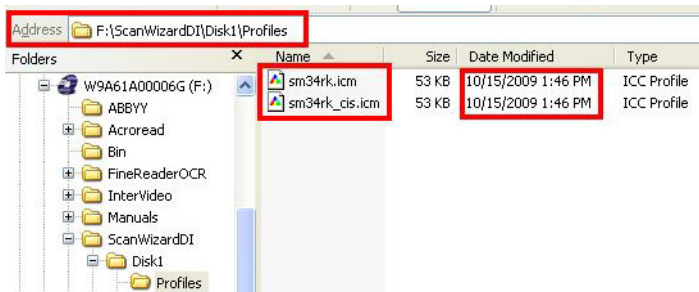
Come with your scanner, the ScanWizard DI scanning software in the Microtek CD (ArtixScan DI 4020 CD) includes the scanner ICC profile data which is exclusively created for each scanner unit to keep image colors consistent when performing a duplex scanning.

The scanner ICC profile data is stored with profile (color characteristic information) unique to the scanner you purchased; it should be installed in your system after you finish the installation of the ScanWizard DI scanning software. We strongly recommended that you reserve the Microtek CD forever, or directly backup the scanner ICC profile data from the Microtek CD into your computer in order to keep the image colors consistent when you have a need to upgrade or reinstall the ScanWizard DI in the future from the Microtek web site.

Before performing scanner ICC profile data backup, check first if the Serial Number (S/N barcode) labeled on the Microtek CD is same as that Serial Number (S/N barcode) labeled on the rear of the ArtixScan DI 4020 scanner. If the numbers are different, please contact the Microtek Customer Service Department.

How to backup the scanner ICC profile data

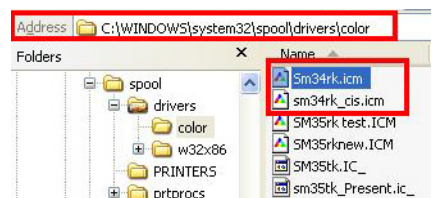
1. Insert the Microtek CD into your CD-ROM drive.
2. Click the Close (or Exit) button to exit the Microtek Software Installer when the CD installer appears on the screen, and then switch to the folder "ScanWizardDI\Disk1\Profiles".
3. Find two files, **sm34rk.icm** and **sm34rk_cis.icm**, in your CD, and then copy them into your storage device for backup.



How to install the scanner ICC profile data

This section is only for the users who have a need of ScanWizard DI scanning software installation from the Microtek web site.

1. Download and install the ScanWizard DI software from the Microtek web site.
2. Copy two files, **sm34rk.icm** and **sm34rk_cis.icm**, from your storage device or original Microtek CD (as mentioned above) into your local system "C:\WINDOWS\system32\spool\drivers\color" (where "C:" stands for your local system drive).
3. Restart your computer before starting your scan.



Using ScanPotter Software on a Mac System

ScanPotter scanning software is a great tool for scanning documents, prints or photos on a Mac system. ScanPotter has a unique and clean interface that users will find productive and easy to use. For more details about how to use the functions of ScanPotter, refer to the software on-line help or manual.

Installing ScanPotter

Before you install ScanPotter software, make sure your scanner is supported with the Mac system.

Install ScanPotter from the ScanPotter CD/DVD if your scanner comes with ScanPotter CD; or, directly download the ScanPotter from Microtek's Download Service site at <http://www7.microtek.com.tw/service.php> and then install it.

Scanning Reflective Materials (such as documents, prints or photos)

1. Refer to the descriptions in the User's Manual or Supplement of your scanner, position reflective originals to be scanned on the scan bed correctly.
2. Launch ScanPotter either as a stand-alone by clicking on the program icon, or by selecting it from the application folder in your Mac OS X system.
3. Choose **Reflective** from the Scan Source options menu for scanning photos.
4. Specify your scanning requirements in the Scanner Settings column.
 - a) Select the appropriate image type (e.g., RGB Color) in the Color Type as your image output type.
 - Select **Color** to scan the image in color.
 - Select **Grayscale** to scan the image in grayscale.
 - Select **Black & White** to scan the image in black-and-white.
 - b) Select a desired resolution in the Resolution for your output image.
 - c) Select **Automatic Detection** or a desired dimension in the Scan Frame as your preview image size.
5. Click the **Preview** button to perform a preliminary scan of the image in the Preview window.
6. If necessary, resize the scan frame (floating dotted rectangle) around the image by dragging on the square spots on the edge or on the corner of the scan frame to determine the final size of the actual scan.

Drivers & Software Upgrades

Thank you for purchasing Microtek's product!

After you finish the installation of software, if you found that the installed drivers and software cannot run your product or your computer system properly later, please go to the Microtek **Download Service** site at [**www7.microtek.com.tw/service.php**](http://www7.microtek.com.tw/service.php) to download and install any updates you may require.

For additional information about Microtek products, please visit our website at [**www.microtek.com**](http://www.microtek.com).