

**XEROX**<sup>®</sup>

**DocuMate™ 152**

# DocuMate 152 scanner user's guide



**XEROX**<sup>®</sup>

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*DocuMate*™ 152

DocuMate 152  
**scanner**  
user's guide



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# Table of Contents

## Welcome

What's in the Box .....	1
The Xerox DocuMate 152 Scanner .....	2
What You Need .....	3
Documentation .....	3

## Installation

Before You Begin .....	4
Step 1: Assemble the Scanner .....	5
Step 2: Install the Software .....	7
Step 3: Connect the Power Supply .....	13
Step 4: Connect the USB Cable and Turn on the Power .....	14
Additional Applications Available with Your Scanner .....	17
View the User Guides .....	19
Register Your Scanner and Check for Updates .....	21

## Scanning

Load and Scan Documents .....	23
Check the Scan Settings Before Scanning .....	25
Scan from the One Touch Button Panel .....	26
Using the One Touch Button Panel .....	27
The Default One Touch Settings on Your Scanner .....	30
Configuring the One Touch Buttons .....	31
About the One Touch Properties Window .....	32
Selecting New Settings for a Button .....	34
Setting Destination Application Properties .....	36
Selecting Document and Page Format Options .....	44
Renaming a One Touch Button .....	49
Selecting Options for a Button .....	50
Creating a New Scan Configuration .....	52
Editing or Deleting Scan Configurations .....	59
Configure Before Scan .....	61
Scanning with Optical Character Recognition (OCR) .....	64
Scanning with sPDF or nPDF and Searching for Text .....	66
Scan and Burn to a CD .....	68
Scanning with Event Forwarding .....	70
Creating an HTML Web Page from Your Scanned Documents .....	72
Transferring Scanned Documents to Storage .....	74
Checking the Hardware and Setting the Lamp Power Saving .....	81

## Scanning with the TWAIN Interface from PaperPort

Accessing the TWAIN Interface from PaperPort .....	84
Scanning from the TWAIN Interface .....	86
Display the Device Configuration .....	91
Setting Up PaperPort to Work with Your Scanner .....	92

## Scanning with the WIA Interface

Fine Tuning Your Scans .....	99
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## Maintenance

Clearing Paper Jams .....	101
Cleaning the Automatic Document Feeder .....	102
Replacing the ADF Pad Assembly .....	103
Replacing the Roller Assembly .....	104
Troubleshooting .....	107
Status Light Troubleshooting Codes .....	110
Uninstalling Your Scanner .....	112
Uninstalling the Scanner and One Touch Software .....	112
Uninstalling the PaperPort and OmniPage Software .....	112
To Install Another Driver .....	113
Xerox DocuMate 152 Scanner Specifications .....	114
Xerox DocuMate 152 Scanner Parts List .....	115

## Notices .....

It's Illegal in the USA .....	117
It's Illegal in Canada .....	118
Federal Communications Commission (FCC) for USA .....	119
Energy Star for the USA .....	120
RoHS and WEEE Compliance .....	120
Product recycling and disposal for USA .....	120

## Index .....

# Welcome

Your new Xerox DocuMate 152 scanner can quickly scan single-sided or double-sided stacks of color, grayscale, and black-and-white documents, up to 8.5" x 14", and place their electronic images on your computer.

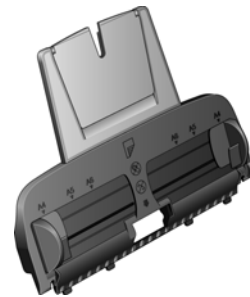
## What's in the Box

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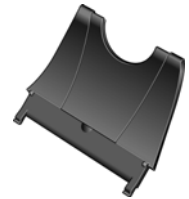
Before starting the scanner assembly and software installation, please check the contents of the box to make sure that all parts are included. If any items are missing or damaged, contact the dealer where you purchased the scanner.



Xerox DocuMate 152 Scanner



Input Tray



Output Tray



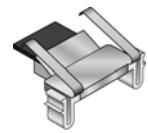
USB Cable



Power Cord



Power Supply



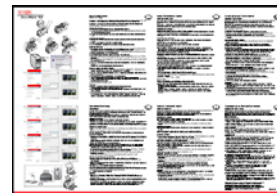
Replacement ADF Pad



Installation DVD



Buttons Label

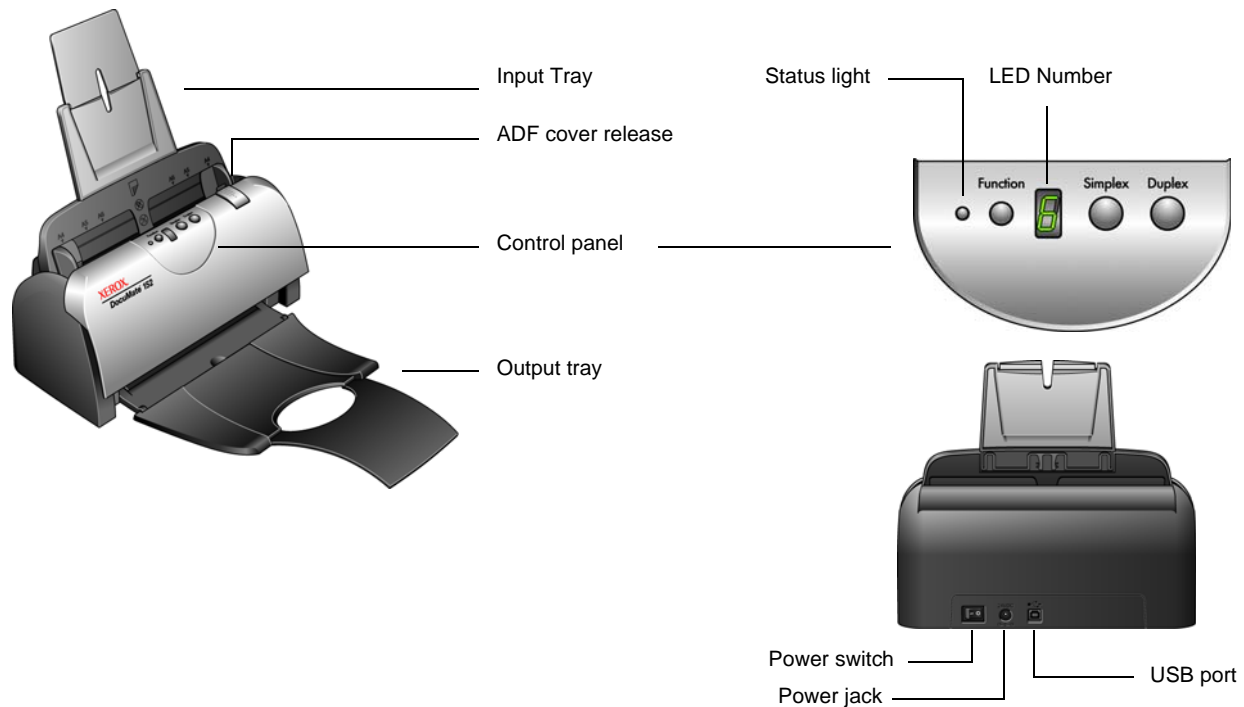


Quick Install Guide



Technical Support Card

## The Xerox DocuMate 152 Scanner



**Input tray**—Holds documents in place. The paper guide on the input tray adjusts to fit the document width.

**ADF cover release**—Opens the cover on the ADF.

**Control panel**—Buttons to start the scanning.

**Output tray**—Holds documents after being scanned through the Automatic Document Feeder (ADF).

**Status light**—Shows the scanner's status. A steady green light indicates the scanner is available to scan or is scanning. A rapidly flashing green light indicates the scanner is preparing to scan. See "Status Light Troubleshooting Codes" on page 110 for additional details about the Status Lights.

**Function button**—Selects the scan setting for the Simplex and Duplex buttons. Press to cycle through the settings.

**LED Number**—Shows the current scan setting for the Simplex and Duplex scanning buttons. A scan setting includes resolution, file type, brightness, color or black and white, destination, and so on.

**Duplex button**—Press to scan a two-sided document.

**Simplex button**—Press to scan a one-sided document.

**Power switch**—On/Off power switch.

**Power jack**—Connects the power cord to the scanner.

**Universal Serial Bus (USB) port**—Connects the scanner to the computer.

## What You Need

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### **IBM-compatible Pentium 4 PC, or AMD equivalent with:**

- A DVD-ROM drive
- An available Universal Serial Bus (USB) port
- Microsoft® Windows® operating system: Windows 2000 (Service Pack 4), Windows XP (Service Pack 1 and 2), or Windows Vista
- *Windows 2000 and XP:* Minimum of 512 megabytes (MB) of internal memory (RAM)  
Windows Vista: Minimum of 1 gigabyte (GB) of internal memory (RAM)
- 350MB minimum of free hard disk space

### **A VGA or SVGA Monitor**

The recommended settings for your monitor are:

- High Color (16-bit) or True Color (24-bit or 32-bit)
- Resolution set to at least 800 x 600 pixels

To set your monitor's colors and resolution:

- Open the Windows Control Panel
- Double-click on **Display** then select the **Settings** tab

## Documentation

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The following documentation is provided with your scanner:

- Quick Install Guide—Abbreviated installation instructions.
- Xerox DocuMate 152 Scanner User's Guide—On the Installation DVD; contains detailed installation, scanning, configuration, and maintenance information.
- PaperPort User's Guide—On the Installation DVD; contains detailed feature and configuration information for the PaperPort software.
- Online Help—For the scanner configuration, TWAIN and WIA interfaces, and PaperPort software applications.



# Installation

Installation is a quick, four-step process:

1. Assemble the scanner
2. Install the software
3. Connect the power supply
4. Connect the USB cable and turn on the power

## Before You Begin

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*Please make sure of the following before you begin installation:*

- **The information in this guide may cover software not provided with the scanner you purchased. Please disregard any information about the software not applicable to your scanner. Visit our web site at [www.xeroxscanners.com](http://www.xeroxscanners.com) for the latest software updates for your Xerox DocuMate 152 scanner.**
- **If your computer has AntiVirus or AntiSpyware software running, you may encounter alerts or messages during installation asking you to allow the installation to proceed. Although the messages will differ based on the software your computer is running, in each case you should allow the installation to proceed if that option is available. Alternatively, you can turn off the AntiVirus or AntiSpyware software before installing your scanner, but if you do, make sure to turn it back on again when installation is finished.**
- **If you already have a scanner connected to your computer, it is recommended that you remove that scanner's driver program prior to installing your Xerox DocuMate 152 scanner. While in some cases you can configure your computer to have another manufacturer's scanner operational on your computer in conjunction with the Xerox DocuMate 152 scanner, we do not recommend this configuration as you may lose some of the driver functionality on one, or both of the units. You can remove these programs from the Windows Add/Remove programs list. Please refer to the user manual provided with your other scanner hardware for instructions about removing the driver and software for that unit.**
- **If your computer is running Windows Vista, you may see the Vista User Access Control screen asking you to confirm system changes. Click the Continue button to allow the installation to proceed.**

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## Step 1: Assemble the Scanner

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### To assemble the scanner:

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1. Remove the scanner from its protective foam and plastic bag.
2. Check inside the document feeder mechanism and carefully remove any foam particles that may have gotten inside it. Leave the cover open so you can attach the Input tray.

Remove any foam particles  
from inside the scanner

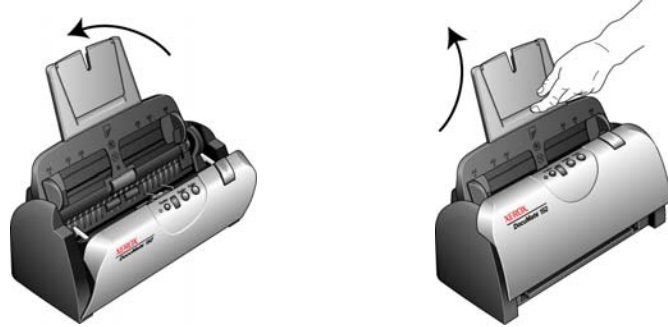


**NOTE:** If the Input and Output tray get in the way when you connect the USB cable and power cord, you can attach them later when you're finished installing the software.

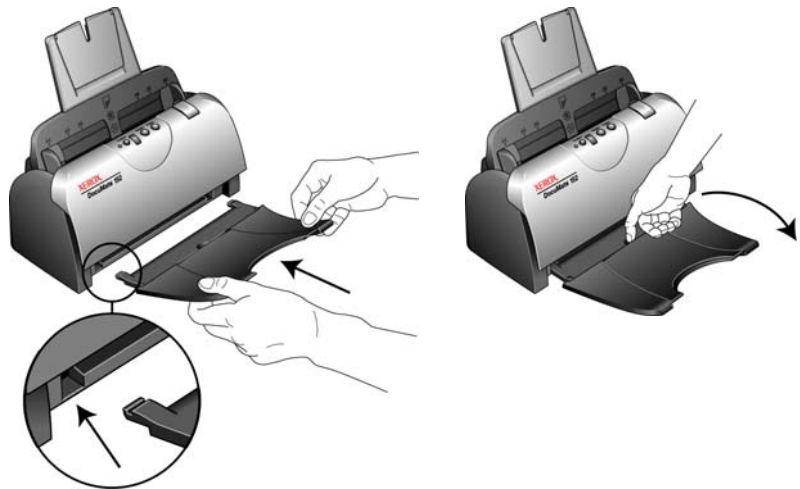
3. Align the tabs on the Input tray with the slots inside the scanner and slide the tray down into place. Snap the paper guide extension into the paper tray.



4. Swing the paper guide back until it snaps into place. Close the scanner cover. Flip the paper guide extension up so it is fully extended.



5. Insert the pins on each side of the output tray into the holes on the scanner. Flip open the extension on the output tray so it is fully extended.



6. Proceed to “Step 2: Install the Software.”

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## Step 2: Install the Software

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### To install the software:

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1. Start Microsoft Windows and make sure no other applications are running.
2. Insert the installation DVD into your computer's DVD-ROM drive.



The DVD automatically opens.

**NOTE:** If the DVD does not start, check the following:

- Make sure the DVD drive's door is completely shut.
- Make sure the DVD was inserted in the drive in the proper direction (label side up).

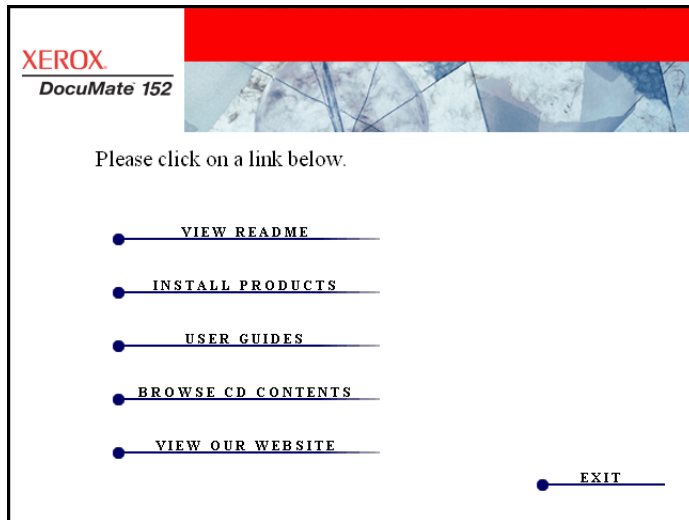
To launch the DVD manually:

- Open the Windows option for My Computer. You can do this by double-clicking on the **My Computer** icon on your desktop.
- Double-click the icon for your DVD-ROM drive.
- The Installation menu for the DVD should now open.

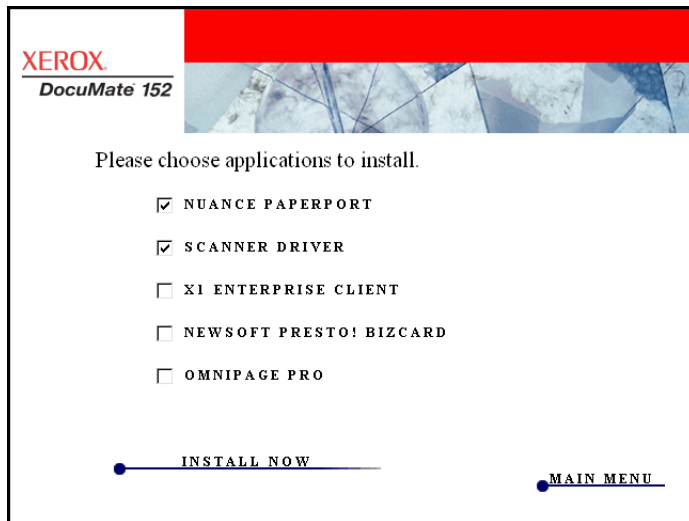
If the menu does not open:

- From the list of files on the DVD, double-click the file named START32.EXE.

3. On the Main Menu, select **Install Products**.



4. Make sure the boxes for **Nuance PaperPort®** and **Scanner Driver** are checked.



**NOTE:** The software provided with your scanner may differ slightly from the list shown in the window.

5. Click **Install Now**.

**The PaperPort installation begins:**

1. The Select Language window opens. Click the drop-down menu arrow and select the language to use. Click **OK**.  
The first PaperPort Installation window opens.
2. On the PaperPort Welcome window, click **Next**.  
Installing PaperPort will uninstall any existing version of PaperPort and will install the newer version while retaining all of your previous PaperPort files.
3. Read the PaperPort license agreement and select **I accept the terms in this agreement**, then click on **Next**. If you choose not to accept the license agreement, the installation will terminate and the PaperPort software will not be installed.
4. On the Customer Information window, accept the current values or enter new information, then click **Next**.
5. On the Setup Type window, keep the default Setup Type and click **Next**.
6. Click **Install** to begin the installation.  
**Reminder:** If your computer is running an AntiVirus or AntiSpyware application, you may see messages asking you to allow installation. Select the option to allow installation to proceed with the install.
7. On the Product Registration window, do one of the following:
  - Select **Register online**, click **OK**, then follow the registration instructions.
  - Select **Print registration form**, click **OK**, then follow the instructions to complete and print the registration form.
  - Select **Remind me in 7 days** and click **OK**.
8. At the InstallShield Wizard Completed window, click **Finish**.  
If a message window opens instructing you to restart your computer, click **Restart**.

**The scanner driver installation will now begin:**

1. The Welcome to the One Touch 4.0 Setup Wizard Opens.

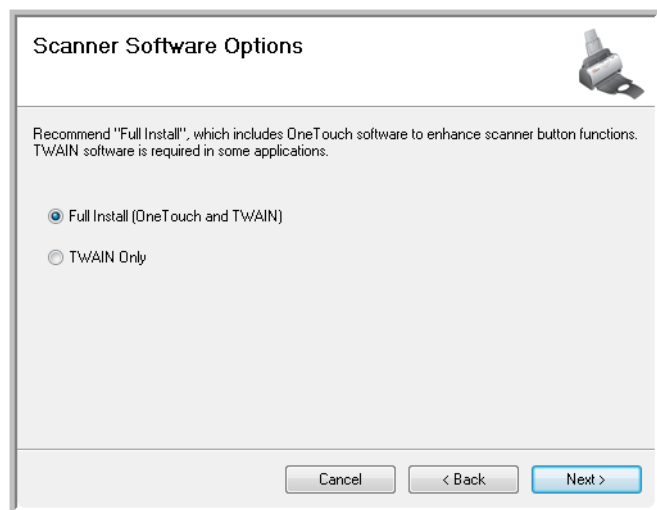


2. Click **Next**.
3. On the Xerox License Agreement window, read the license agreement. If you accept the terms, select **I Agree** then click **Next**.

If you choose not to accept the license agreement, the installation will terminate and the scanner driver will not be installed.

The next window lists the choices of the drivers that you can install for your scanner.

**Note:** Some of the options listed in this window may not be available when you purchase your scanner.  
  
Please visit our web site at: [www.xeroxscanners.com](http://www.xeroxscanners.com) for the latest updates.



4. Select the option you want.

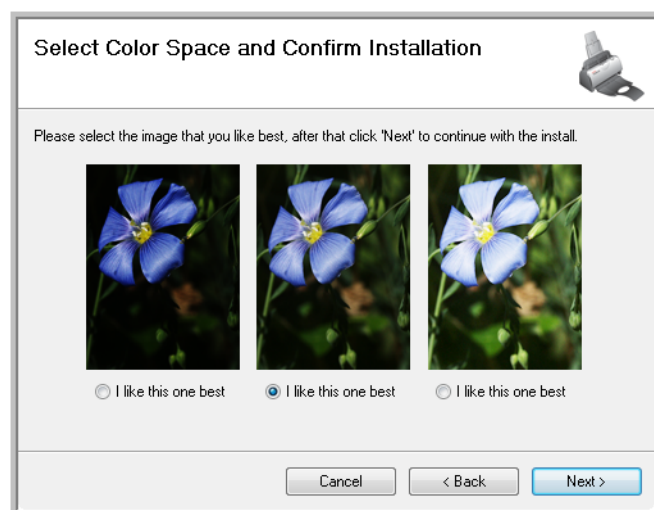
**NOTE:** If your computer is running Windows XP or Windows Vista, Microsoft's Windows Image Acquisition (WIA) interface for scanning is always available, regardless of your selection on this window.

- **Full Install (OneTouch and TWAIN)**—This is the **recommended** installation. It installs the One Touch 4.0 software which provides the necessary driver software for the scanner. It also installs the scanning interface for the TWAIN driver. Installing this option means that you can use several different methods to scan, as explained in this User Guide.
- **TWAIN Only**—The TWAIN driver is installed. The One Touch 4.0 Monitor will not run and you cannot use the One Touch features. You can use the TWAIN driver to scan from applications with a TWAIN interface. You also will not be able to scan with the buttons on the scanner.

**NOTE:** If you decide to change the scanner's installed drivers later on, you must first uninstall the drivers the scanner is currently using. See the section "To Install Another Driver" on page 113.

5. Click **Next**.

During installation you will see this window asking you to select one of the images for the Color Space setting.



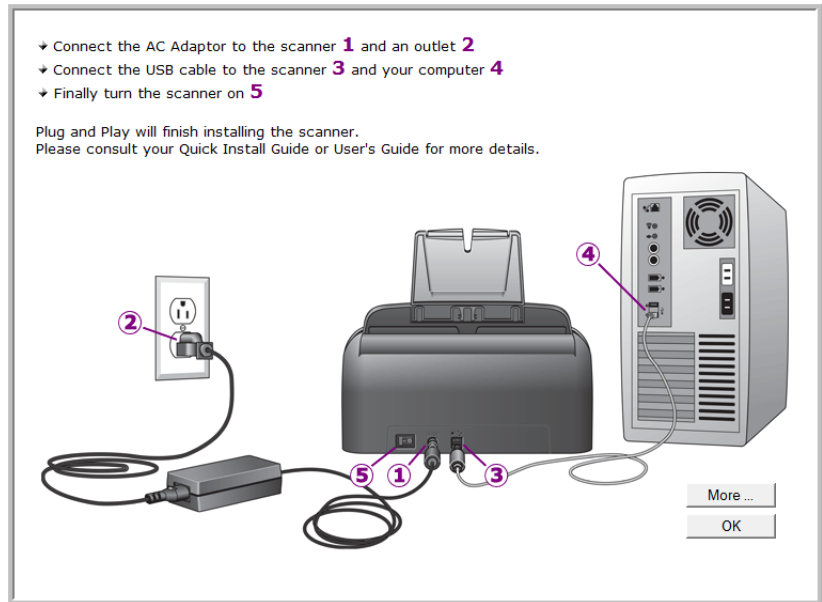
The Color Space setting sets the gamma value for the scanner so scanned items look good on your monitor. Gamma controls the brightness of the midtones of colors. That setting can be changed later on as you're scanning.



6. Select the option that looks best to you and click **Next**.

The driver installation will now begin.

7. **STOP** when you see the “Complete the installation by connecting your hardware” window. Do **NOT** click **OK** yet. Leave the window open and proceed to the next section, “Step 3: Connect the Power Supply” on page 13.



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## Step 3: Connect the Power Supply

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Connect the power supply and power cord, and plug the power supply into an electrical outlet.

### To connect your Xerox DocuMate 152 scanner:

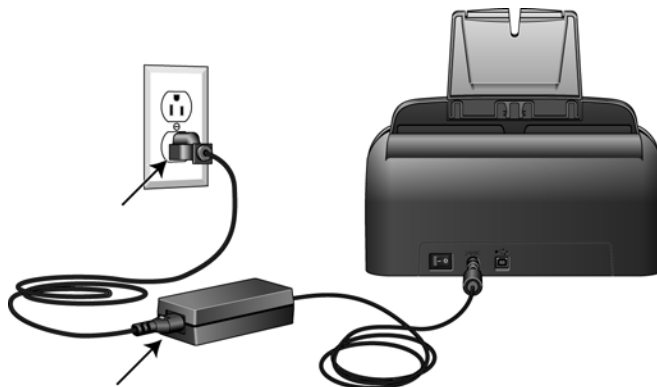
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1. Plug the power supply into the power port on the scanner.



**NOTE:** Only use the power supply (HEG42-240200-7L made by HiTron) included with your scanner. Connecting any other type of power supply may damage your scanner, and will void its warranty.

2. Plug the power cord into the power supply and into a wall outlet.



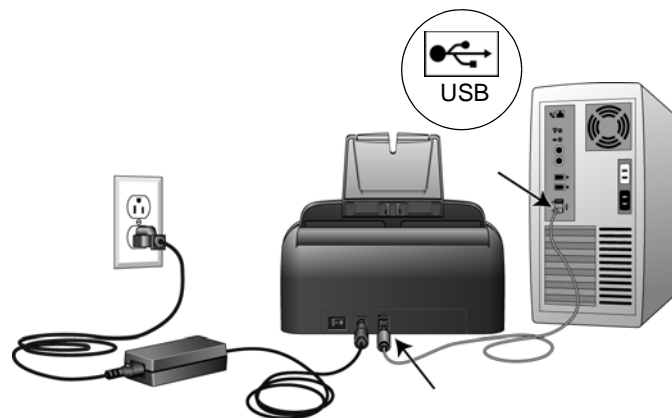
Now proceed to the next section, "Step 4: Connect the USB Cable and Turn on the Power."

## Step 4: Connect the USB Cable and Turn on the Power

The Xerox DocuMate 152 scanner connects to any available USB port. Check your computer's manual for USB port locations.

**NOTE:** You can connect the scanner to your computer while the computer is running.

1. Remove any protective tape from the USB cable.
2. Plug the USB cable into the USB port on the scanner then into a USB port on the computer. Connection to a USB 2.0 High Speed port provides optimum performance, however your scanner will also connect to a USB 1.1 port.



The USB symbol, as seen in the above diagram, identifies the location of the USB port on your computer. If the plug does not attach easily, make sure that you are plugging it in correctly. Do not force the plug into the connection.

You can also connect the scanner to a USB hub if the USB hub has its own power supply already plugged into an electrical outlet.

3. Turn on the power switch, located on the back of the scanner to the left of the power port.

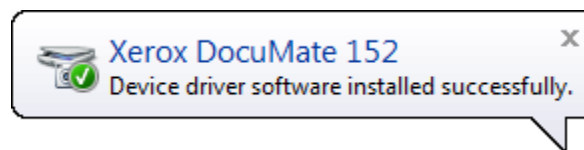


The status light comes on and flashes indicating that the scanner is receiving power.

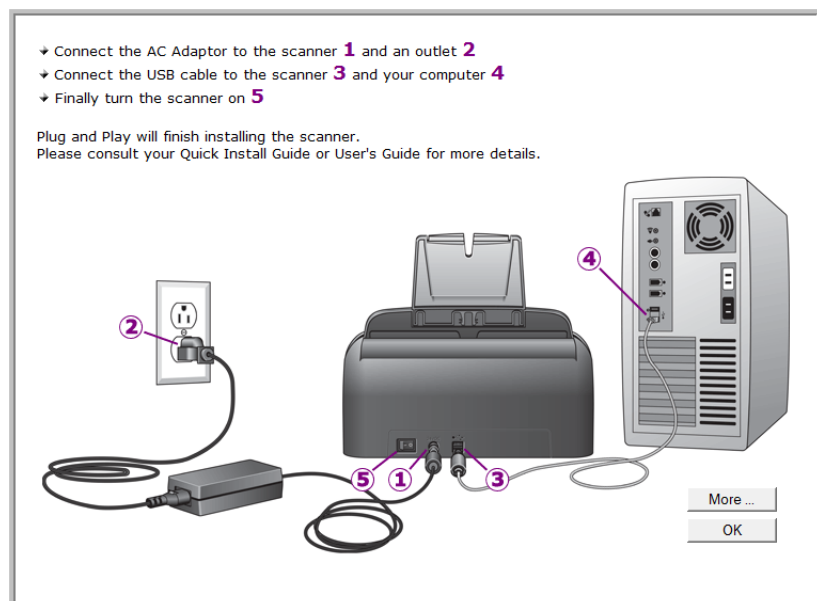
If you are using Windows XP Service Pack 2, and have plugged the USB cable into a USB 1.1 port, an information bubble may open explaining that “A HI-SPEED USB device is plugged into a non-HI-SPEED USB hub”. Plug the USB cable into a USB 2.0 port (if available) or just disregard the message. If you leave it plugged into the USB 1.1 port, your scanner may scan a bit slower than the 15 pages per minute, and 30 images per minute available with a USB 2.0 port.

Your computer then recognizes that a scanner has been plugged into the USB port and automatically loads the appropriate software to run the scanner.

*Do not proceed until you receive a message that your computer has found the new hardware, or updated the driver database. If your computer is running Windows XP or Windows Vista, you will see one of the following messages.*



4. When you're certain that the software has completely loaded, return to the “Complete the installation by connecting your hardware” window.

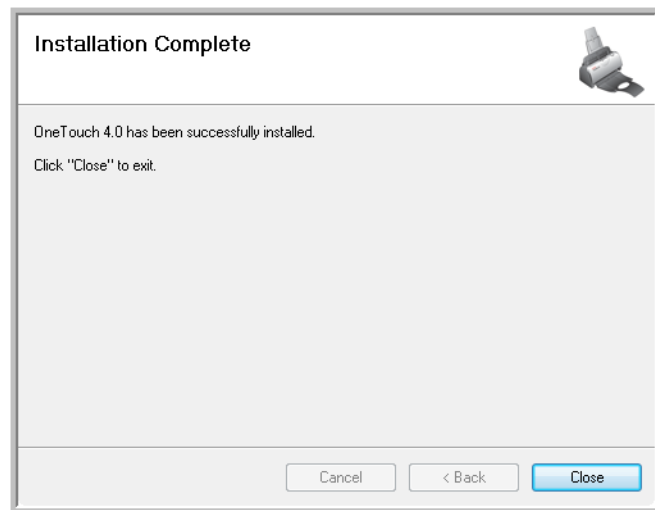


5. Click **OK**.

You can also click **More** to see a quick overview about accessing and navigating the One Touch Button Panel. When you're finished reading the additional information, click **OK**.

The scanner's status light is green when the scanner and computer are communicating properly.

6. Click **Close** on the Installation Complete window to close and exit the software installer.



You can now install the additional applications you received with your scanner.

## Additional Applications Available with Your Scanner

Your scanner includes free, additional applications on the installation DVD.

1. Reinsert the installation DVD into the DVD-ROM drive.

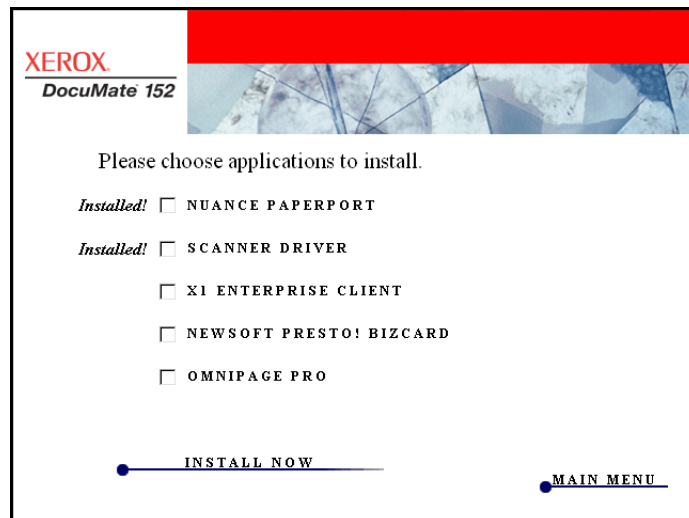
The Installation menu opens.



The free Adobe Acrobat Reader software is located on the DVD with the User Guides. See the steps on page 19 to install Adobe Acrobat Reader.

2. Click **Install Products**.

You will see the screen that shows the applications. Applications already installed have *Installed!* next to them.



3. See the following table to decide which software you would like to install.

4. On the window shown above, click in the boxes of the other software you want to install, and click **Install Now**. Follow the instructions on the screen to install each of the additional products.

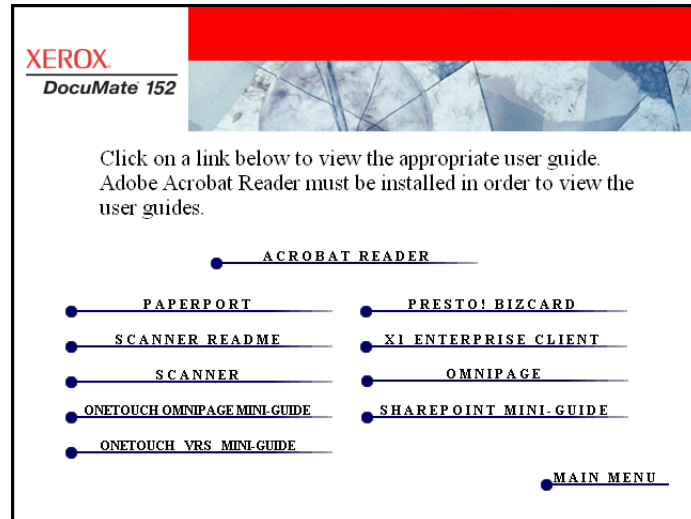
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Software	About the Software
Adobe® Acrobat Reader®	Adobe Acrobat Reader is a stand-alone application that you use to open, view, search, and print PDF files. The User Guides on your scanner's installation DVD are in PDF format and require Adobe Acrobat Reader for you to view and save them.
NewSoft Presto! BizCard®	BizCard quickly and easily converts the vital contact information on business cards into a convenient, searchable, digital database that can be easily synchronized between PCs, notebooks, PDAs and PIMs.
OmniPage® Pro	OmniPage Pro provides precision OCR analysis, advanced layout detection, and Logical Form Recognition™ (LFR) technology. Advanced security features quickly turn office documents and forms into over 30 different PC applications for editing, searching and sharing. Custom workflows handle large volumes of documents, and you can use its tools to print to PDF. OmniPage Pro also includes ScanSoft PDF Create! and PDF Converter programs.
X1® Enterprise Client	X1 is a desktop search engine software. Using a single interface, the X1 Enterprise Client software will quickly and efficiently find files and emails stored on your computer.

---

## View the User Guides

1. To get the documentation for each of the additional products, return to the Main Menu window and click **User Guides**.
2. The User Guides window opens. Use this window to view and save the User Guides you want.



3. Click the links of the Guides you want to view.

The User Guides are in Adobe® Acrobat® PDF format. The DVD also includes a free copy of Acrobat® Reader® in case your computer does not have it already installed. The Scanner Readme file is in HTML format and will open in any standard browser.

If you need to, click **Acrobat Reader** to install it now. Follow the instructions on the installation windows.

*If your computer already has Adobe Acrobat Reader installed, please do not select it unless the version provided on the installation DVD is a newer version than the one currently installed on your computer.*



### To view and save the User Guides:

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1. Click the name of a User Guide you want to view and it will open in Acrobat Reader. Use the Acrobat Reader **Save** command to save that User Guide on your computer.
2. Return to the User Guides window and repeat the process to open, view, and save all the other User Guides you want. **The Scanner Readme file has late-breaking news about your scanner.**
  - The SharePoint Mini-Guide has information about a new feature in the One Touch 4.0 software to link to Microsoft's SharePoint application. This brief Mini-Guide explains how to setup the SharePoint link and use the SharePoint features when choosing new scan settings for your scanner.
  - The One Touch VRS Mini-Guide has information about a new feature in the One Touch 4.0 software. This brief Mini-Guide explains what the feature is and how to use the VRS settings when creating or modifying a scan configuration.
  - The One Touch OmniPage Mini-Guide has information about a new feature in the One Touch 4.0 software. This brief Mini-Guide explains what the feature is and how to use the OmniPage settings when creating or modifying scan configurations.
3. When you're finished, click **Main Menu** to return to the Main Menu window and click **Exit**.
4. Remove the DVD and store it in a safe place.

*That's it! Installation is finished and your Xerox DocuMate 152 scanner is ready to scan.*

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## Register Your Scanner and Check for Updates

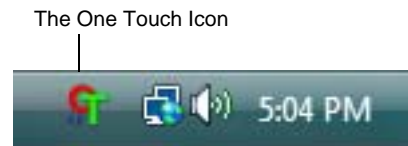
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Registering your scanner is important as it provides you with access to our free telephone support service. Registration also gives you free access to software updates for your scanner.

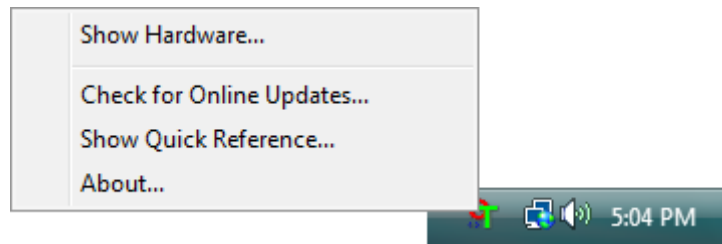
### To register your scanner:

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1. Right-click on the One Touch icon in the Windows Notification Area (at the bottom right corner of the screen).



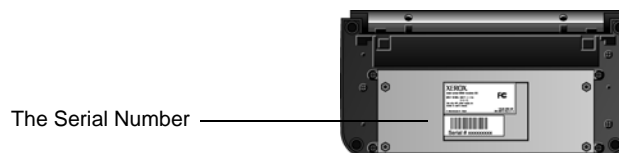
2. Choose **Check for Online Updates** from the pop-up menu.



3. Follow the instructions on the screen and register your scanner by entering your scanner's serial number and your email address.

**NOTE:** A valid email address is required.

The serial number is located on the underside of the scanner.



After registration is complete you will receive an email message with your RegID.

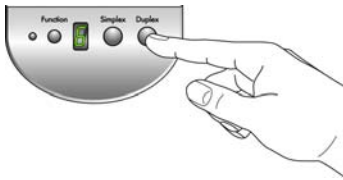
Your RegID is important as you will need it when accessing free telephone support, or checking for online updates.

4. After receiving your RegID, write it down on a piece of paper and keep it with your scanner so you will be able to find it easily.

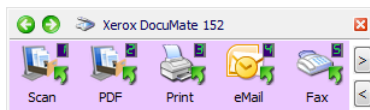
# Scanning

If you selected the recommended Full Install option for your scanner's driver (see page 11), then you have several different scanning options with your Xerox DocuMate 152 scanner. Each method scans equally well, so use the one with appropriate options for the item you are scanning.

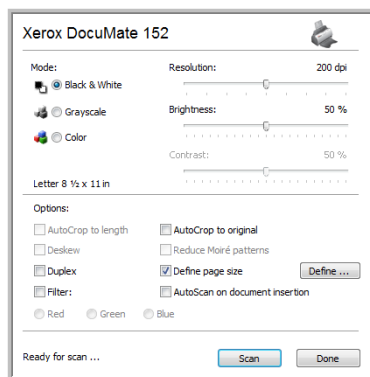
The scanning methods with your Xerox DocuMate 152 scanner are:



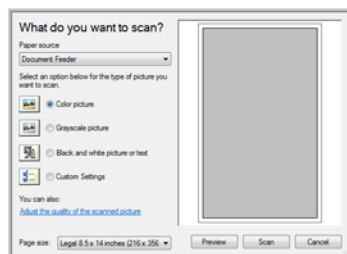
- **Scanner Buttons**—When you press either the Simplex or Duplex button, documents are scanned using the scan settings indicated by the LED number. The scanned images are then sent to a software application (known as the Destination Application) on your computer. See “Load and Scan Documents” on page 23.



- **One Touch**—Use this scan option when you want to scan from the computer screen. Open the One Touch scan panel and window, adjust the scan settings as needed, put the document in the scanner, then click the icon on the One Touch panel. Also use this One Touch method of scanning if you want to access advanced features for Optical Character Recognition (OCR). See “Scan from the One Touch Button Panel” on page 26.



- **TWAIN Interface**—This option uses your scanner's TWAIN interface to scan. Select scanning options before scanning, put the document in the scanner, then click a button on the TWAIN interface window. The PaperPort software that you installed for your scanner uses the TWAIN interface for scanning, but many other programs use it too so you can scan from them, as well as from PaperPort. See “Accessing the TWAIN Interface from PaperPort” on page 84.



- **Windows Image Acquisition (WIA) Interface**—This option uses the Microsoft Windows Image Acquisition (WIA) interface to scan. Select scanning options before scanning, put the document in the scanner, then click a button on the WIA interface window. You can access the WIA interface from the PaperPort software, or from other applications on your computer. See “Scanning with the WIA Interface” on page 97. The WIA interface is only available if your computer is running Windows XP or Windows Vista.

## Load and Scan Documents

When you press either the Simplex or Duplex button, documents are scanned using the scan settings indicated by the LED number. The scanned images are then sent to a software application (known as the Destination Application) on your computer.

1. Adjust the paper guide for the width of paper, and make sure the input and output trays are fully extended.



**NOTE:** Always remove any staples or paper clips from documents before inserting them into the scanner's Automatic Document Feeder. Staples and paper clips can jam the feed mechanism and scratch the internal components. Also remove any labels, stickers, or Post-It™ notes that may come off during the scanning process and get stuck in the scanner. Misuse as described here will void your scanner's warranty.

2. Load the documents so the tops of the pages are inserted into the Automatic Document Feeder.



For Simplex (one-sided) scans, load the documents *face down*. Side 1 (the side of the page you want to scan) faces the paper tray, and Side 2 faces outward.

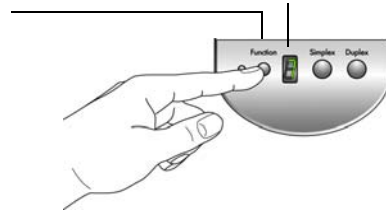
For Duplex (two-sided) scans, the documents can be face up or down because both sides are scanned.

3. Check the LED number to make sure you're using the scan setting you want.

To choose a new scan setting, press the Function button.

Press the Function button to cycle through the scan settings to select the one you want.

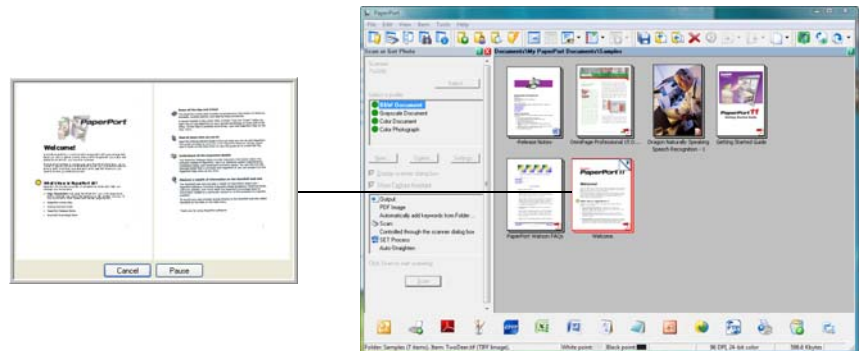
The current scan setting. See "Check the Scan Settings Before Scanning" on page 25 to check the settings.



4. To scan a one-sided document, press the **Simplex** button.  
To scan a two-sided document, press the **Duplex** button.



A scan progress window opens and the image is sent to the selected application from the One Touch utility. In this example of duplex (two-sided) scanning, the Destination Application is the PaperPort desktop and the two pages are stacked, one on top of the other.

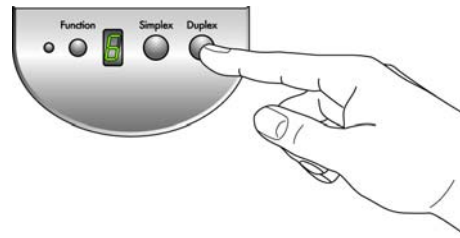


To Cancel scanning, click the **Cancel** button.

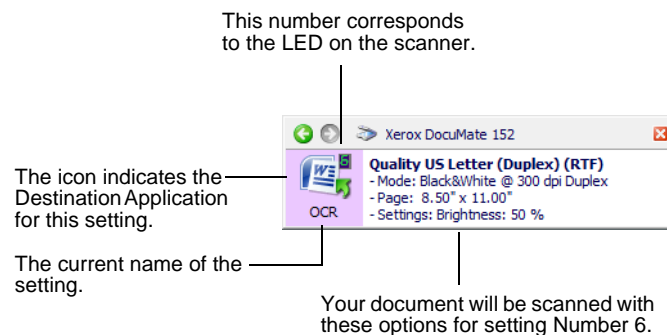
## Check the Scan Settings Before Scanning

1. To check the scan settings before scanning, *press, hold down, and then release*, either the **Simplex** or **Duplex** button.

Press, hold down, and then release either button to see the setting for the selected LED number.

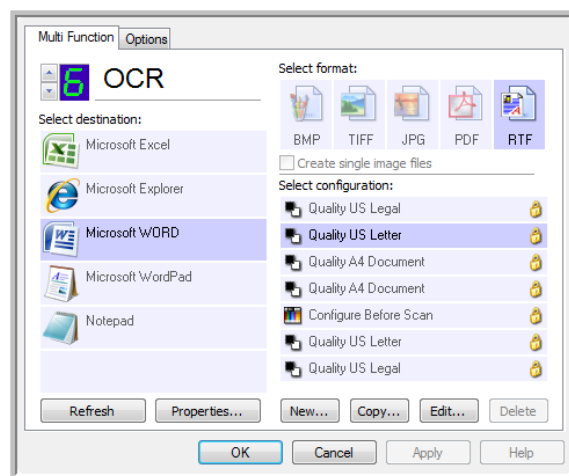


The One Touch Button Panel opens with the description of the selected settings. This sample shows the current description of setting 6.



The One Touch Properties window for that setting also opens so you can change any settings before scanning.

**Note:** The configurations shown on this example of the One Touch Properties window are for illustration purposes only. The configurations you see on your One Touch Properties window may be different.



2. When you are ready to scan, press either the **Simplex** or **Duplex** button, or click the button on the One Touch Button Panel. See "Scan from the One Touch Button Panel" on page 26 for more about the Button Panel.

## Scan from the One Touch Button Panel

You can scan from the One Touch Button Panel on the screen.

1. Adjust the paper guide for the width of paper and load the documents with their tops into the automatic document feeder.

For Simplex (one-sided) scans, load the documents *face down*.

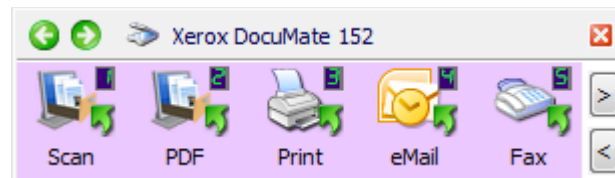
For Duplex (two-sided) scans, the documents can be face up or down because both sides are scanned.

2. Now click on the One Touch icon in the Windows Notification Area (at the bottom right corner of the screen).

The One Touch Icon



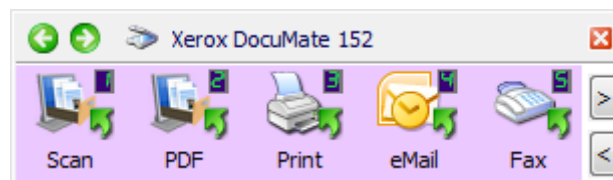
The One Touch Button Panel opens and shows the first five on-screen scanning buttons. Click the arrows to cycle through all nine settings.



Click the button you want to use to scan.

Click these arrows to navigate through the nine buttons.

3. On the screen—not on the scanner—click the button you want to use to scan.



For example, if you want to scan with button 2, which converts the document to PDF, click here.

Or if you want to scan with button 4, which attaches the scanned document to a blank email message, click here.

**NOTE:** Your scanner comes with nine factory-preset One Touch button settings. You can reconfigure and rename the buttons for your specific scanning requirements.

The scanner begins scanning. When the process finishes, the scanned images appear in the Destination Application, just as if you scanned with the Simplex or Duplex scanner buttons.

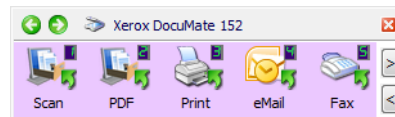
## Using the One Touch Button Panel

The One Touch Button Panel is also your on-screen set of controls for the scanner. The One Touch Button Panel shows information about the scanner and its settings.



1. To open the One Touch Button Panel, click the One Touch icon. It is located in the Windows Notification Area at the bottom right corner of the screen.

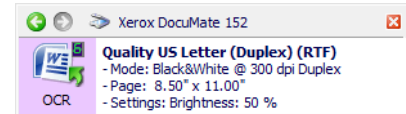
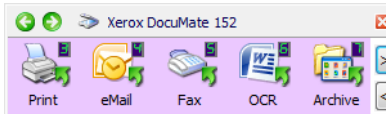
The One Touch Button Panel opens at its Button View, which shows the on-screen scanning buttons.



The Button View

2. To scan from the panel, click the icon you want to use to scan.
3. To see the details for a button, right-click on it. The One Touch Properties window for that button also opens.

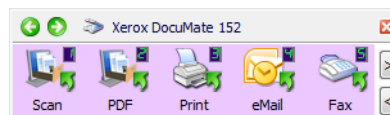
Right-click on a button to see its details in the Detail View and Properties Window.



The Detail View

Clicking the icon in either view starts the scanner scanning using the button's settings.

4. To cycle through the nine buttons, click the arrows on the right side of the panel.

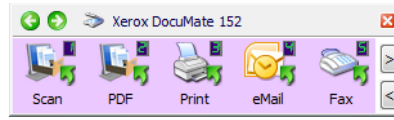


Click these arrows to cycle through the 9 buttons.

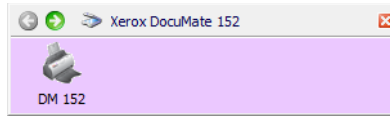


- To navigate through the panel's three views, click the green arrows at the top of the panel.

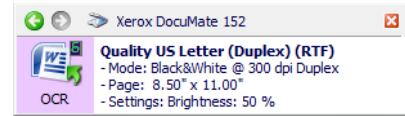
Click these arrows to navigate through the panel's three views.



The Button View



The Hardware View



The Detail View

- The Button View is your main scanner control panel. Use it to scan or to see all nine buttons.
  - The Detail View shows the current scan settings for a button.
  - The Hardware View shows the current scanners connected to your computer.
- If the One Touch Properties window is not open, right-click the icon on the Detail View or Button View to open it.
- From the Hardware View and Detail View, click the green arrow to return to the Button View. You can also click on the hardware icon to return to the Button View.
  - To close the One Touch Button Panel, click its close button.

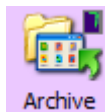
## About the One Touch Button Panel's Names and Icons

The button names, such as PDF, eMail or Fax, indicate the original factory settings for the Destination Application assigned to a button. When you installed One Touch, it searched your computer for applications that will work with the scanner, then listed them as available Destination Applications on the One Touch Button Panel and the One Touch Properties window.



For example, the eMail button is set up to scan documents then immediately attach them to a new eMail message in your default eMail program. But you can change the name, the Destination Application, and any of the other aspects of the button.

A question mark for a button means your computer does not have appropriate software, or in some cases the appropriate hardware for the initial factory settings. In that case, you would probably want to change the name and Destination Application to something else. For example, if you scan a lot of documents that have faint images, such as hand-drawn sketches in light pencil, you might want to change the button's name to Sketches, and the Destination Application to Microsoft Paint, or some other drawing program.



A folder icon for a button, such as shown for Button 7, means that the button is set up to archive the scanned item. This is a special pre-configured Transfer to Storage option for your scanner. The scanner sends the scanned image directly to a folder without opening the image first in a Destination Application. Use the archiving option when you don't need to see the scanned images, but simply want to store them in a folder.

When you scan with Transfer to Storage as the Destination Application, the scanner sends the scanned image directly to the default folder at **C:\Documents and Settings\<your user name>\My Documents\My One Touch Archive\PDF Documents** without first opening it in an application. The file will be named with the current date. It is named PDF Documents because button 7 is set to scan to the PDF file format. If you set up an archive button to scan to another format, such as TXT, the folder would be named TXT Documents. To see a scanned image that has been archived, open it using the appropriate application for the format. For example, to see a TXT image, open it with Microsoft Word or WordPad.

See "Configuring the One Touch Buttons" on page 31 to change the settings of the buttons on the One Touch Button Panel.

## The Default One Touch Settings on Your Scanner

Based on the recommended installation of PaperPort and the scanner driver, your scanner is pre-configured to scan items for various basic tasks, such as email or fax, then send the scanned image to an appropriate, pre-selected Destination Application. The following table shows these factory-default settings. *You can change any of these settings.*

If PaperPort, OmniPage or One Touch OmniPage is not installed, then the options for sending to word processing applications such as Microsoft Word will not be available.

Button	Name	Destination Application	Preconfigured Settings
1	Scan	PaperPort	Black&White @ 200dpi Duplex
2	PDF	PaperPort	Black&White @ 200dpi Duplex
3	Print	Printer	Black&White @ 200dpi Simplex
4	eMail	eMail Application	Black&White @ 200dpi Simplex
5	Fax	Fax Application	Black&White @ 200dpi Simplex
6	OCR	Microsoft Word	Black&White @ 300dpi Duplex
7	Archive	Transfer to Storage	Black&White @ 300dpi Simplex
8	Custom	Microsoft Paint	Color @ 100dpi Simplex
9	Paint	Microsoft Paint	Color @ 300dpi Simplex

**NOTE:** The default page size in each configuration is based on the location selected in your Windows setup.

**For example:**

- If the Windows location is set to “United States”, the default page size in each profile is based on the United States standard page sizes such as 8.5”x11”.
- If the Windows location is set to “United Kingdom”, the default page size in each profile is based on the ISO 216 standard and the majority of the profiles will default to A4.

**NOTE:** The email application will default to the email program specified in the internet options of Internet Explorer.

## Configuring the One Touch Buttons

Each One Touch button configuration consists of a **Destination Application**, a **Scan Configuration**, and a **Document Format**. The One Touch Properties window is where you select these three elements for a button.

### To open the One Touch Properties window:

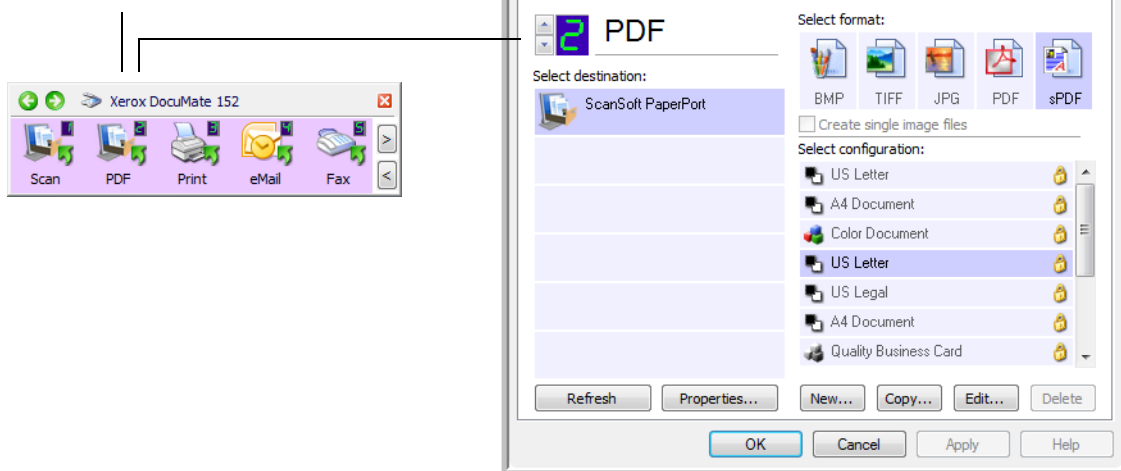


1. Click the One Touch icon. It is located in the Windows Notification Area at the bottom right corner of the screen.
2. Right-click a button on the One Touch Button Panel.

**REMINDER:** Remember that left-clicking a button on the One Touch Button Panel starts the scanner scanning. *Right-clicking* opens the One Touch Properties window.

The One Touch Properties window opens for that button.

Right-click on a button (for example, button 2) and the Properties window opens for that button.



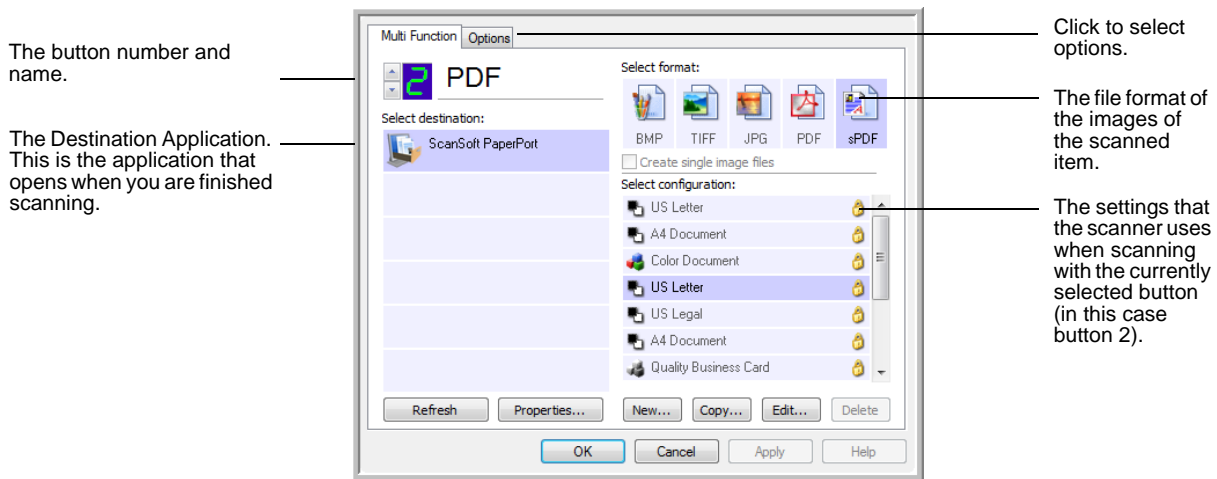
The One Touch Properties window also opens when you press, hold down, and release the Simplex or Duplex button on the scanner.

**NOTE:** Some of the options on the One Touch Properties Window (and other One Touch windows and dialog boxes) are “grayed out” and are not available. Grayed out options are not appropriate for your Xerox DocuMate 152 scanner.

## About the One Touch Properties Window

The One Touch Properties window is where you can select new settings for the buttons. The One Touch Properties window also contains special scanning features such as scanning and burn to a CD, scanning and converting text directly into an HTML web page.

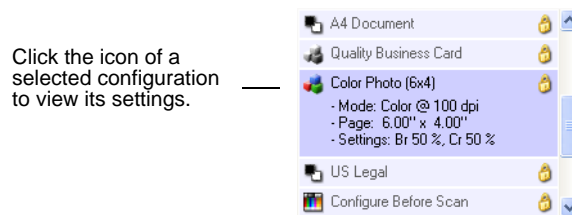
The following example of the One Touch Properties window shows the settings for Button 2. The button is set to scan with the scan configuration named Color Document then open PaperPort to display the scanned image. The Format and Page(s) option is set to scan in the PDF image format.



The settings on the One Touch Properties window are:

**Select Destination**—The list of Destination Applications that can open to display the scanned image for the selected button. To configure the list of available applications, click the Options tab at the top of the dialog box and select the desired options. See “Selecting Options for a Button” on page 50 for more information.

**Select Configuration**—The list of available scan configurations for the selected button. The configuration’s basic settings include: scanning mode, resolution (dpi), page size, brightness (Br), and contrast (Cr). To see a selected scan configuration’s settings, click its icon. Click the icon again to close the detailed information.



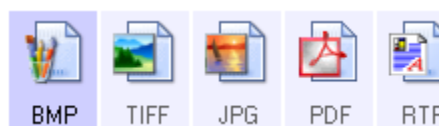
These icons next to each scan configuration indicate the scanning mode.



**NOTE:** Use Configure Before Scan if you want to set the scanning mode manually before scanning. See “Configure Before Scan” on page 61.

You can also click the **Edit** button or double-click the configuration to see more detailed information about the selected configuration.

**Select Format and Page(s)**—A set of file formats for the scanned image for the selected button. The formats are based on the type of Destination Application you select. This example shows the formats that apply to PaperPort.



The icon names indicate their file types. See “Selecting Document and Page Format Options” on page 44 for more information about the available formats.

**Options tab**—Displays a window for selecting options related to the selected Destination Application for the scanned image.

**Properties button**—Displays a window for selecting properties for each type of Destination Application. See “Setting Destination Application Properties” on page 36.

**Refresh button**—Updates the links between all your computer’s Destination Applications and One Touch 4.0.

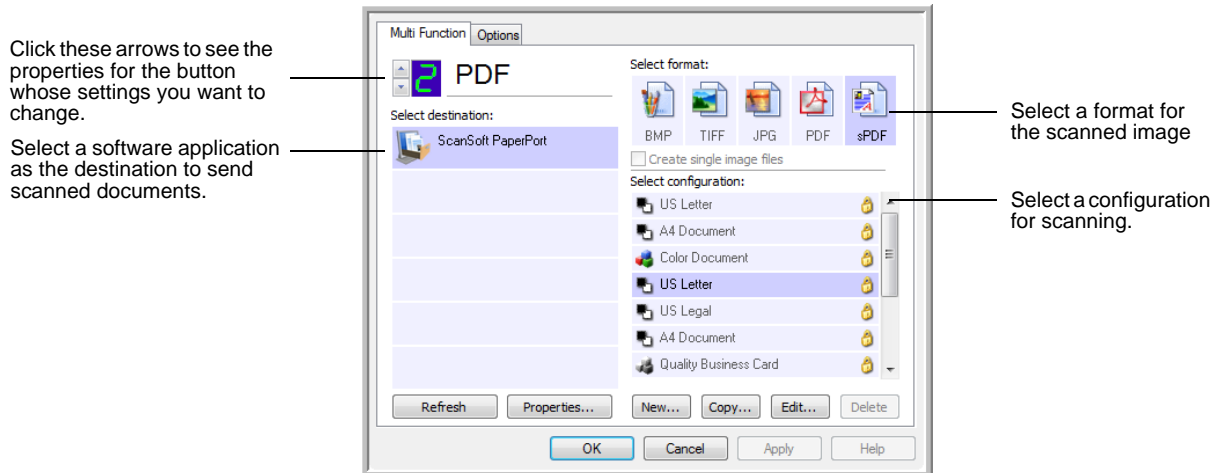
**NOTE:** If you install new software that can be used as a Destination Application, click the **Refresh** button to link the new software to One Touch 4.0.

**New/Copy/Edit/Delete buttons**—Click **New** or **Copy** to add new scan configurations to the list. Click **Edit** or **Delete** to change or remove them. See the sections “Creating a New Scan Configuration” on page 52 and “Editing or Deleting Scan Configurations” on page 59.

**OK/Cancel/Apply buttons**—**OK** accepts any changes and closes the window. **Apply** accepts any changes but leaves the window open so you can continue making additional changes. **Cancel** closes the window without accepting any changes.

## Selecting New Settings for a Button

For each of the nine One Touch buttons, you can select a new **Destination Application**, **Scan Configuration**, and **Document Format**.



### To select new settings for the Scanner Button:

1. Click the button selection arrows to select the button you want to change.

Each button has its own settings. So, as you click the arrows to cycle through the buttons, the available settings on the window change to show them for each button.

2. From the **Select Destination** list, select the application where you want documents sent when scanning is finished.

See “Selecting Options for a Button” on page 50 to display a full list of the Destination Applications that you can use with the scanner.

**NOTE:** If you select a word processing program such as Microsoft WordPad or Microsoft Word that can be used for OCR (such as TEXT, RTF, or DOC), the text in scanned images is automatically converted to word processing text.

3. From the **Select Configuration** list, select a scan configuration.



To scan in color, select one of the configurations indicated by the small color icon, such as the Color Document configuration.

To create your own scan configurations see “Creating a New Scan Configuration” on page 52.

4. Select a **Format and Page(s)** option.

The available options apply to the Destination Application you select. For example, if you select Microsoft Word as the Destination Application, the available formats are for text, such as .txt and .rtf. However, if you select Microsoft Paint as the Destination Application, then the available formats are for graphics, such as .bmp, and .jpg.

**NOTE:** If a format is listed as n/a, that means the text format is not available for that Destination Application.

5. Click **OK** to accept any changes and close the window.

To accept changes but keep the window open to work with other features, click **Apply**.

Note that while the One Touch Properties window is open, you cannot scan yet by clicking a button on the One Touch Panel. You must click **OK** or close the One Touch Properties window first. However, you can scan at any time by pressing the Simplex or Duplex button on the scanner.

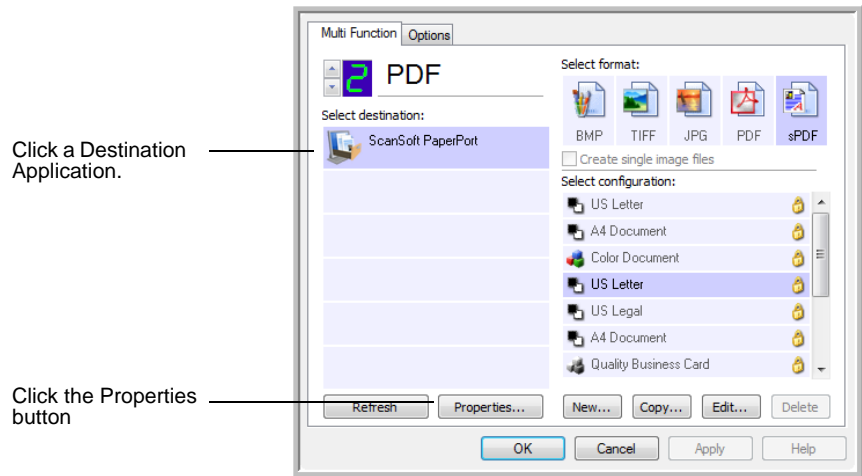
When you are finished selecting new settings for a button and you press or click a scanner button, the document is scanned using the newly configured settings for that button.



## Setting Destination Application Properties

The different types of Destination Applications have various properties that you can select.

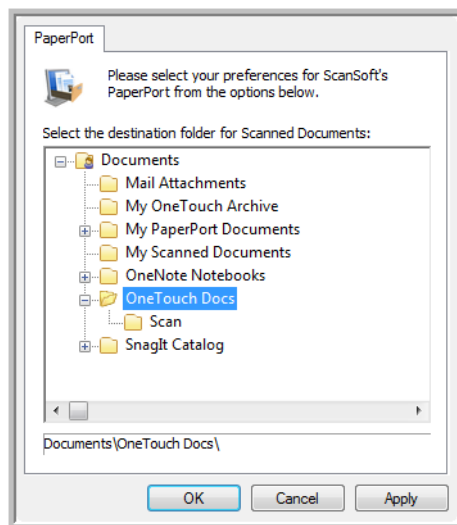
1. On the One Touch Properties window, click a Destination Application.
2. Click the **Properties** button.



A One Touch 4.0 Link Properties dialog box opens for the type of Destination Application you selected, and the available options are for that type of application.

## PaperPort Properties

These properties apply to PaperPort, and are for designating the folder to receive your scanned items.

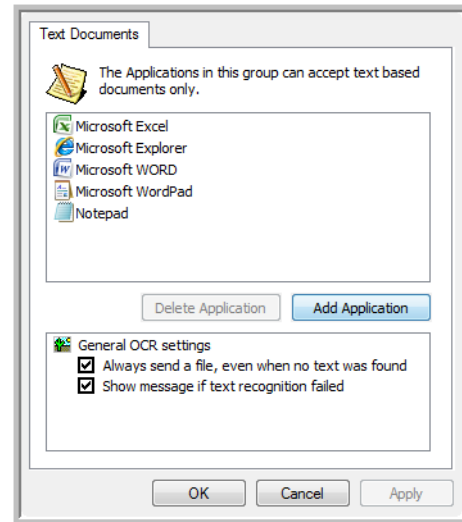


1. Select the PaperPort folder where you want the file of the scanned image to be located.
2. Click **OK**.
3. Click **OK** or **Apply** on the One Touch Properties window.

When PaperPort opens after you finish scanning, the thumbnails of your scanned documents are on the Desktop in that folder.

## Text Documents Properties

These properties apply to Microsoft Word, Microsoft Excel®, and the other applications indicated by their icons in the list. The properties apply to the Optical Character Recognition (OCR) settings for the applications.



1. Click in the OCR settings boxes for the options you want.

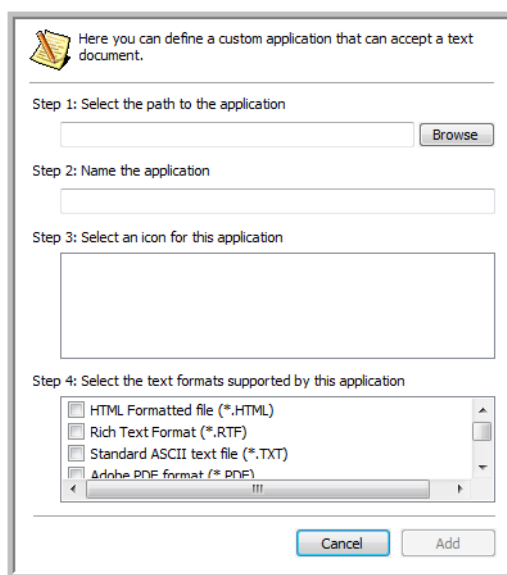
The options will apply to all the applications in the group.

**Always send a file, even when no text was found**—The scanned file is sent to the OCR reader even if the image does not appear to contain text. This could occur if you scanned a photograph with a One Touch button set for text applications.

**Show message if text recognition failed**—A message will open on the screen if the OCR reader does not detect text in the image.

- To add another application to the list, click the **Add Application** button.

The Add Text Based Link dialog box opens.



- Click **Browse** to find the application you want to add to the list. When you select the application using the Browse button, steps 1 and 2 on the dialog box are automatically filled in, and the application icon appears in step 3.
- Select the icon in Step 3 of the dialog box. That is the icon that will appear in the One Touch Destination List.
- In step 4 of the dialog box, select the file formats that the application will accept.

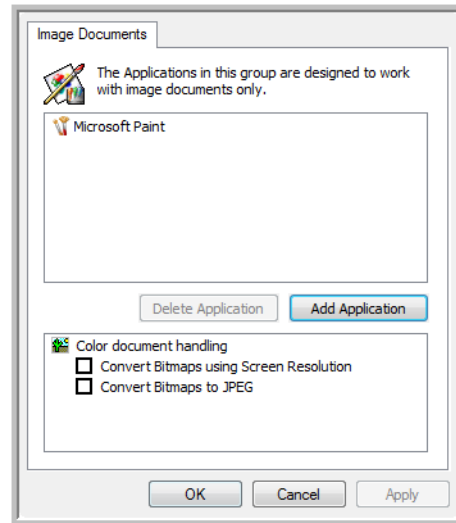
Refer to the documentation you received with the application to see which text formats the application accepts.

The options you select at step 4 determine the page format icons in the One Touch Properties window for that group of applications.

- Click the **Add** button.
- Click **OK** or **Apply** on the Link Properties window.
- Click **Refresh** on the One Touch Properties window.
- Click **OK** or **Apply** on the One Touch Properties window.

## Image Documents Properties

These properties apply to Microsoft Paint and other image processing applications.



1. Click in the Color document handling settings boxes for the options you want.

These options will apply to all the applications in the group.

**Convert Bitmaps using Screen Resolution**—Use this option to ensure that an image will fit on the computer’s screen. When a computer screen is set to a lower resolution, bitmap images with a higher resolution may be too big to fit on the screen. Converting the bitmap image to match the screen resolution ensures that the image fits on the screen.

**Convert Bitmaps to JPEG**—JPEG files can be compressed to produce smaller file sizes and, therefore, shorter transmission times. Use this option to provide that compression capability to image files.

2. To add another application to the list, click the **Add Application** button.

See the steps on page 39 to add an application to the list.

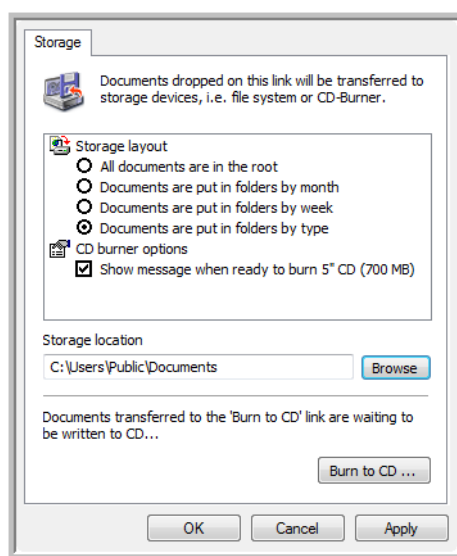
3. Click **OK**.
4. Click **OK** or **Apply** on the Link Properties window.
5. Click **Refresh** on the One Touch Properties window.

## Storage Properties

These properties apply to the Destination Application named Transfer to Storage. If a CD burner is attached to your computer, and your computer is running Windows XP or Windows Vista, you also use this dialog box to start the Burn to CD process. See the section “Scan and Burn to a CD” on page 68.

**NOTE:** The Burn to CD option is only available for Windows XP or Windows Vista with a CD burner installed on your computer.

You can also set up multiple configurations to store scanned items in separate locations. See “The Storage Options Tab (Archive)” on page 58 and “Scanning to Multiple Archive Folders” on page 75.



**NOTE:** If you do not have a CD burner attached to your computer, the CD options are not shown on the dialog box.

1. Click the Storage Layout options you want.

**All documents are in the root**—The scanned documents are saved in the root of the folder specified in the Storage Location.

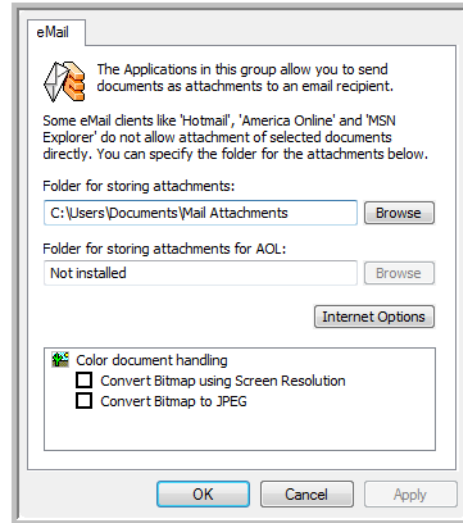
**Documents are put into folders by month, week, or type**—Folders are created based on your selection (month, week, or type) and the scanned documents are saved in those folders. New folders are created for each month and week so you can keep track of when you scanned the documents.

2. Click the **Browse** button to specify the location to store the scanned documents, or type a location directly into the box.

3. If you have a CD burner attached to your computer, the option **Show message when ready to burn 5" CD (700MB)**, should also be selected so you will see a message when it's time to click the **Burn to CD** button.
4. Click **OK** on the Link Properties window.

## eMail Properties

These properties apply to email applications so you can specify the folder for documents that you will attach to an email message. Microsoft Outlook® will accept direct attachment of documents to a blank email message as soon as scanning is finished, but other email applications may not. If you're using one of those applications, such as America Online® (AOL), you need to know which folder contains the scanned documents so you can manually attach them to your email messages.



1. Click the **Browse** button for **Folder for storing attachments** and choose a folder for your email attachments.
2. If you are using AOL on your computer, and the folder name for AOL is incorrect, click the **Browse** button and find the correct AOL folder.

For scanned images to be auto-attached to a blank email message, you must have the specific folder location AOL uses to find the attachments. Please contact AOL for more information about the folder location in which AOL stores attachments.

3. If you need to change your email client, or any other internet options, click the **Internet Options** button.

The Windows Internet Options Control Panel opens. Click the Programs tab and choose a new email client from the Email list. These are the standard Windows Internet options. Please see your Windows documentation for more information about Internet options. If you are using AOL, please see the AOL user manual for making changes to the Internet options applicable to AOL.

4. Select the options for color document handling.

**Convert Bitmaps using Screen Resolution**—Use this option to ensure that an image will fit on the computer's screen. When a computer screen is set to a lower resolution, bitmap images with a higher resolution may be too big to fit on the screen. Converting the bitmap image to match the screen resolution ensures that the image fits on the screen.

**Convert Bitmaps to JPEG**—JPEG files can be compressed to produce smaller file sizes and, therefore, shorter transmission times. Use this option to provide that compression capability to image files.

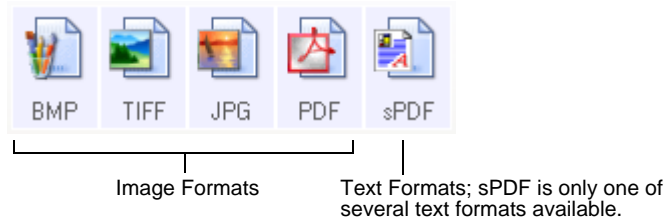
5. Click **OK**.
6. Click **OK** or **Apply** on the One Touch Properties window.



## Selecting Document and Page Format Options

The Document and Page Format options that you select determines the file format of the scanned document. Appropriate format options and file types are available for the type of Destination Application selected for the button.

The available options are for images and text.

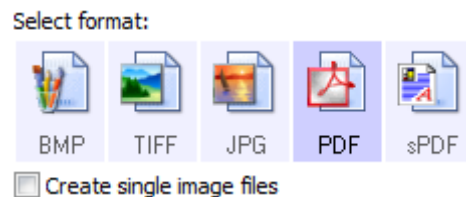


The Text Formats are for text file types. The names of the formats indicate their file types. See "Text Formats" on page 46 for details.



### Create Single Image Files

The TIFF and PDF formats support multiple page documents. If you are scanning as a TIFF or PDF file and want one file created for each image scanned, select **Create single image files**. Note that this option is automatically selected and disabled if you have selected a format that only supports single pages, such as BMP or JPG.



### Image Formats

Select an image file format for photos, artwork or other documents that you want to save as images. BMP and TIFF are standard image file formats generally used if you want to do additional image processing, such as photo touch-up or color correction. Both of those file formats tend to be larger than the JPEG format.

Because JPEG image files can be reduced in size, the JPEG format is often used for images on web pages, or if file size might be a problem when electronically sending the files. JPEG files are reduced in size by lowering their image quality, and you can select the degree of quality for your scanned images from the JPEG file format icon.

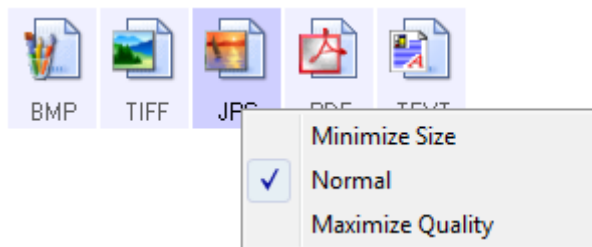
The PDF format is often used to create images of text pages. You may want to select PDF as the page format when scanning text pages that do not require OCR processing or other processing. The PDF format is also used to put multi-page documents on web sites as pdf-readable files. As with the JPEG option, the PDF format can be reduced in size or quality.

**NOTE:** The two other PDF formats—nPDF and sPDF—are for scanning with OCR processing and with the ability to search the scanned text. See the next section, “Text Formats,” and also “Scanning with sPDF or nPDF and Searching for Text” on page 66 for details.

### To select a JPEG or PDF file size:

1. Select **JPG** or **PDF** as the page format.
2. Right-click on the **JPG** or **PDF** icon.

A menu opens.



3. Choose the file size/image quality option for your scanned images.

**Minimize Size**—Smallest file size, lowest image quality.

**Normal**—Medium file size, some loss of image quality.

**Maximize Quality**—Largest file size, no loss of image quality.

Your selection pertains only to the button currently selected on the One Touch Properties window. Other buttons that have JPG or PDF selected as the Page Format are not affected, so you can set the JPEG or PDF file size/image quality independently for each button.

4. Click **OK** or **Apply** on the One Touch Properties window.

## Text Formats

Selecting the text format option also selects OCR processing as an automatic step for scanning. Therefore, when you scan a document with the text format selected, the text portions of the document are automatically converted to editable text. See “Scanning with Optical Character Recognition (OCR)” on page 64.

Select a text format for documents with text or numbers, such as a business letter, report, or spreadsheet. The text format icon has several file formats available, depending on the Destination Application you select.

The specific file format is the file name extension on the text format icon.



The specific text format; this example is for Microsoft Word Rich Text Format.

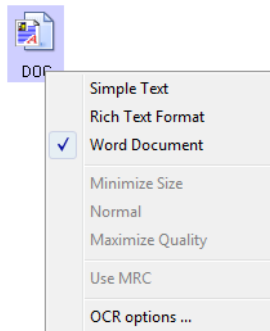
As you select Destination Applications that are text applications, the text format icon changes to match the file type of the application. In some cases, the Destination Application supports several file types, and you can right-click on the icon to choose the particular file type for that application.

### To select a file type for the text format:

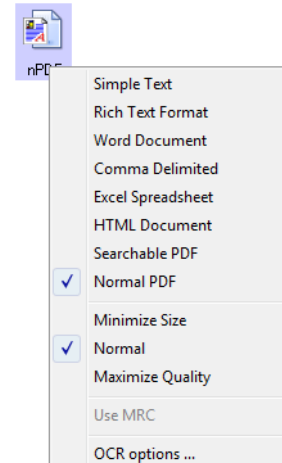
1. Select the Destination Application.
2. Right-click on the text format icon.

The menu options depend on the type of Destination Application you select.

Example menu of the TEXT format for Microsoft Word.



Example menu of the TEXT format for a Storage location.



3. Choose the file type that you want for the text format.

Your selection of a file type pertains only to the button currently selected on the One Touch Properties window. Other buttons that have a text option selected as the Page Format are not affected, so you can set the text file type independently for each button.



TEXT

**Simple Text**—The .txt file format. Text with no formatting; used by the standard Microsoft Notepad application.



RTF

**Rich Text Format**—The .rtf file format. Text that retains formatting when converted. Available with Microsoft Wordpad and Word.



DOC

**Word Document**—The .doc file format used by Microsoft Word.



CSV

**Comma Delimited**—The .csv file format; used for database or spreadsheet data with fields separated by commas. When the document is converted into editable text by the OCR process, the fields are maintained so you can copy and paste them to a database or spreadsheet application.



XLS

**Excel Spreadsheet**—The .xls file format used by Microsoft Excel.



HTML

**HTML Document**—The .htm file format used to create web pages.



sPDF

**Searchable PDF**—The .sPDF file format used by Adobe Acrobat and OmniPage Pro. This format converts scanned text into PDF with text search and OCR capabilities. sPDF is only available if you have One Touch OmniPage or the OmniPage Pro software installed on your computer. See “Scanning with sPDF or nPDF and Searching for Text” on page 66 for details.



nPDF

**Normal PDF**—The .nPDF file format used by Adobe Acrobat and OmniPage Pro. This format also converts scanned text into PDF with text search and OCR capabilities, plus you can edit the text in an nPDF image a PDF editing program is installed. nPDF is only available if you have One Touch OmniPage or the OmniPage Pro software installed on your computer. See “Scanning with sPDF or nPDF and Searching for Text” on page 66 for details.

4. To change the OCR settings, choose **OCR Options**.

The OCR Options provide a series of selections for the OCR feature when you scan text. Refer to the **One Touch OmniPage Mini-Guide** on Disc 1 of the installation CD for details.

Note that the OCR Options settings apply to all buttons. If you change them for one button, those changes apply to the other buttons as well.

5. Click **OK** or **Apply** on the One Touch Properties window.

## Renaming a One Touch Button

The One Touch buttons have names that identify their pre-set functions, such as OCR and PDF, but you can edit the names.

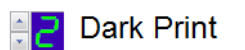
### To change the button names:

1. Open the One Touch Properties window.
2. Using the arrows, choose the button that you want to rename.
3. Select the name's text and type a new name.

Click the arrows to get to the button to rename, then select the name text.

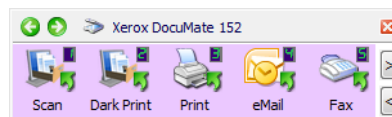


Type a new name for the button.



4. Click **OK** or **Apply**.

The button is now renamed.

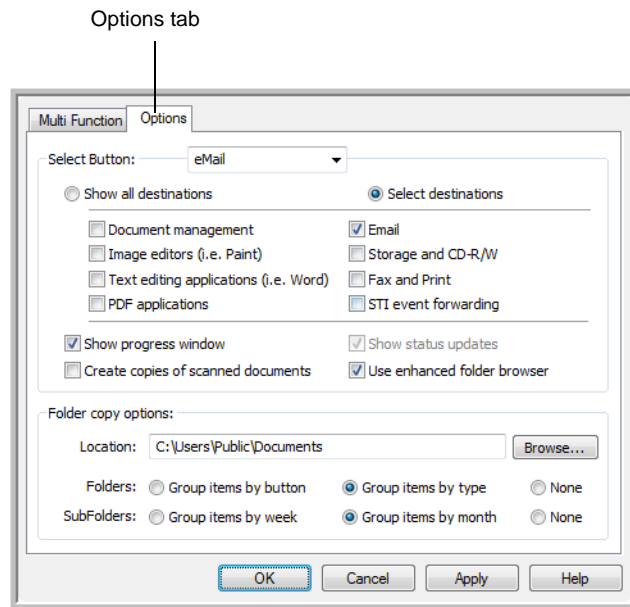


## Selecting Options for a Button

The One Touch Options determine the types of Destination Applications available for a button, as well as the location of the files of your scanned items.

### To select options:

1. Open the One Touch Properties window and click the **Options** tab.



2. Click the menu arrow and choose the button for new options.
3. Select button options as described below.

**Show All Destinations**—This option selects all the Destination Application categories. The list of Destination Applications available for the selected button will include all the applications on your computer that fall into these categories. This is the default selection for Button 8. The list also includes printers and other devices connected to your computer so, for example, you can scan an item and have it printed immediately.

**Select Destinations**—Select this option to individually choose the types of applications to include in the list of Destination Applications. Check the boxes for the type of application to include.

- **Document Management** includes PaperPort and other applications for processing and keeping track of your scanned documents.
- **Image Editors** include Microsoft Paint and other drawing and graphics applications.

- **Text Editors** include Microsoft Word and WordPad, Microsoft Excel, and other word processing and spreadsheet applications. Select this option if you want OCR processing to convert your scanned documents to text that you can edit. See “Scanning with Optical Character Recognition (OCR)” on page 64 for more about OCR.
  - **PDF applications** are for documents scanned to PDF format.
  - **Email** includes Microsoft Outlook and other email applications. See “eMail Properties” on page 42 for details about attaching scanned documents to your email messages.
  - **Storage and CD-R/W** is for either storing scanned documents in a folder, or sending them to a CD burner to create a CD containing the scanned documents. See “Transferring Scanned Documents to Storage” on page 74 and “Scan and Burn to a CD” on page 68 for details.
  - **Fax and Print** is for sending your scanned documents directly to your printer or fax software for faxing.
  - **Sti event forwarding** is for using another application’s interface for scanning. The One Touch Event Forwarding dialog box opens so you can select which application to use to continue scanning. See “Scanning with Event Forwarding” on page 70 for details.
4. After selecting a new type of Destination Application, click the **Multi Function** tab to see which ones are added to the list.

**Show Progress Window**—Select this option to display the progress window of the document(s) during scanning.

**Use enhanced folder browser**—Select this option if you want to save your scans to a network location that is not a mapped drive on your computer.

**Create copies of scanned documents**—Sometimes the image of a scanned document is only saved as a temporary file until its Destination Application is finished using it. In those cases you may want an additional, permanent copy saved on your hard drive.

For example, if you scan a picture to an email application, the scanned image is saved as a temporary file, then attached to the email, and the email is sent. Later, the temporary file of the scanned picture is deleted. The same situation may occur when you scan directly to a printer or scan to a fax application. After a scanned item is printed or faxed, its temporary file is deleted. However, by selecting this **Create copies of scanned documents** option, you can choose to save permanent copies of the scanned items on your hard drive.



The copies will be saved in the folder specified in the Folder Copy Options section (see the figure and description below).

This option is not available if either **Document Management** or **Storage and CD-R/W** are selected, because, by default, file copies for those types of Destination Applications are already automatically saved in the folder for copies.

For that reason, this option is not available for the default settings of Buttons 1 and 2. Those buttons have PaperPort as their Destination Applications, and PaperPort is **Document Management** software.

Likewise, the option is not available for the default setting of Button 7 (Archive) because it is set as Transfer to Storage with the Destination Application type set as **Storage and CD-R/W**.

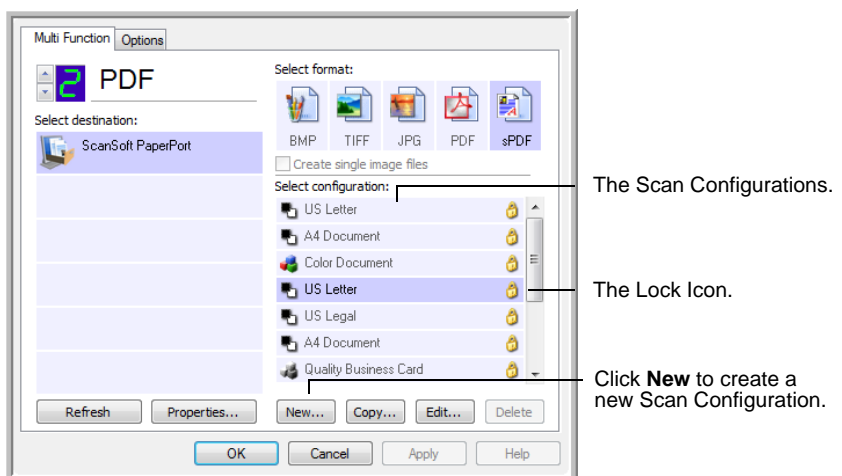
**Folder Copy Options**—This section of the dialog box sets the location for copies of your scanned documents and how you want to group them.

Click the **Browse** button and find the folder for the copies. Select the grouping option for the documents. The Group by button option groups the documents under the name of the One Touch button. Group by type arranges the scanned documents by the type of file, such as .doc or .jpg. If you also want to group them by date you can choose the week and month options.

5. Click **OK** to save the options for the selected button.

## Creating a New Scan Configuration

The scan configurations are where you select the scanning resolution, brightness, mode (color, black&white, or grayscale), and a number of other settings.



Note the lock icon on the preset configurations. Although you can unlock and edit the preset configurations, we recommend that you leave them locked, and only add new configurations. That way, you will always have the original factory-set configurations available.

### To create a new configuration:

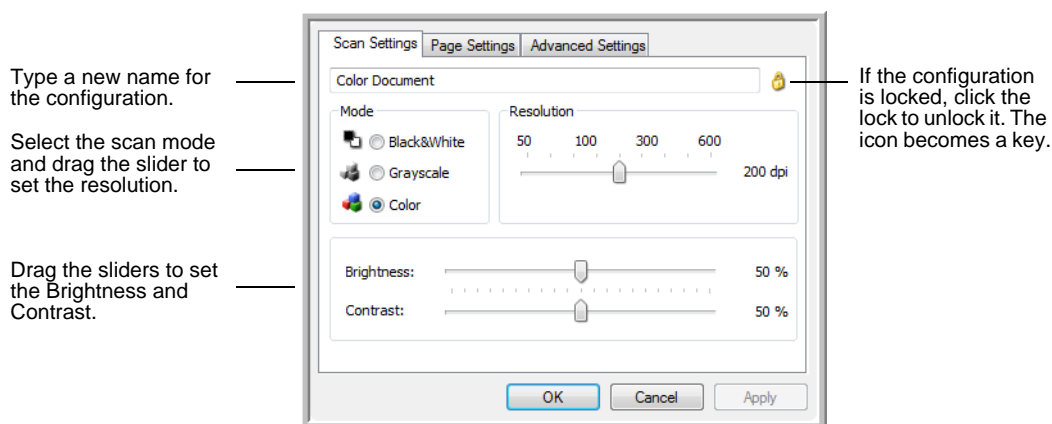
1. Open the One Touch Properties window and make sure the **Multi Function** tab is selected.
2. Scroll through the applications in the Select Destination list and click the application you want for the new scan configuration.
3. Click the **New** button.

If you want to start from the settings of another configuration, select the configuration, then click the **Copy** button.

The Scan Configuration Properties dialog box opens. If the **Scan Settings** tab is not selected, click it.

4. On the Scan Configuration Properties dialog box, type a name.

**TIP:** If you're going to set up the new configuration to scan duplex (two-sided), include that in the name, such as "Scan for Dark Print (Duplex)," to remind you that it is a duplex scan.



**NOTE:** If you select a printer or other device in the Select Destinations list, the dialog box may have an additional Device Settings tab for setting specific options for the particular device.

5. Select scan settings for the new scan configuration.

**Mode**—Select a scanning mode:

- **Black&White** to scan in black and white. For example, letters and memos are usually scanned in black and white. This scan mode produces the smallest file size.

- **GrayScale** to scan items such as documents containing drawings or black and white photographs. The scanning produces an image of up to 256 shades of gray.
- **Color** to scan color photographs and other color items. Color scans have the largest file size.

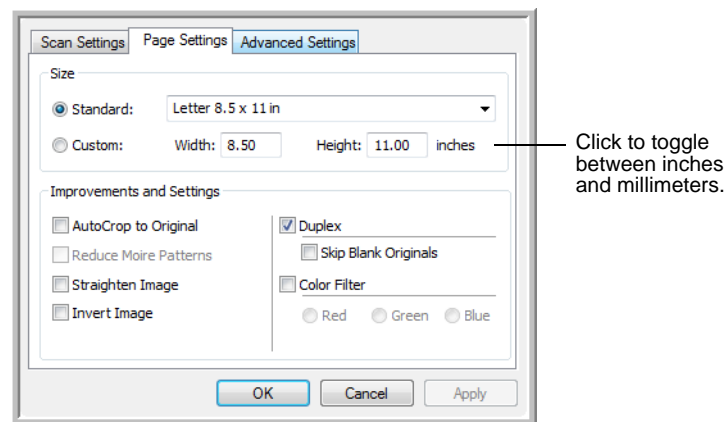
**Resolution**—Drag the slider to the right or left to adjust the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images.

**Brightness and Contrast**—Sometimes an item is scanned with the brightness and contrast set too light or too dark. For example, a note written with a light pencil may need to be scanned darker to improve legibility.

Brightness refers to the lightness or darkness of the image. Contrast is the range between the darkest and lightest portions of the image. The greater the contrast, the more difference between the lighter and darker shades in the image.

Drag the sliders to the right or left to adjust the brightness and contrast of the scanned image. The Contrast setting does not apply to the Black&White mode.

6. If you want to lock the configuration, click the key icon to change it from a Key to a Lock.
7. Click the **Page Settings** tab to select page settings.



**Size**—Click **Standard**, click the menu arrow and choose a page size from the list, or click **Custom** and enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters. Click the name of the units, inches or millimeters, to toggle between them.

**Improvements and Settings**—Only the options that apply to the selected Destination Application are available.

- **AutoCrop to Original**—Select this option to let the scanner automatically determine the size of the item being scanned. For example, if you scan a 5" x 7" inch photo, the scanner will determine the size of the photo.

When using the **AutoCrop to Original** option, always use the paper guides on the scanner so the page is not skewed. Skewed pages may not crop properly.

For single-sided scans, the scan area is the size of the image. For double-sided scans, the scan area is the size of the larger of the two areas on the front and back of the page.

- **Reduce Moire Patterns**—Moire patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations. Selecting **Reduce Moire Patterns** will limit or eliminate moire patterns in the scanned image. This option is only available for the Grayscale or Color Mode at 200 dpi or less.
- **Straighten Image**—Select this option to let the scanner automatically determine if a page is skewed, then straighten its image. The scanner detects page edges and can sense when the page is fed through at an angle. However, if the page is fed through at too great an angle, the image may not scan correctly. In that case, re-scan the page using the paper guides to feed the paper in straight.
- **Invert Image**—Only available for Black&White Mode, this option reverses the black and whites of an image.

Original Image



Inverted Image

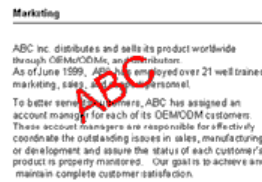


- **Duplex**—Scan both sides of the page. If this option is not selected, the scanner will scan the face-down side of the page only.

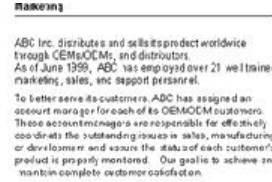
**NOTE:** The Simplex and Duplex buttons on the scanner take precedence over the One Touch settings. In other words, if the LED number on the scanner is configured to scan as Duplex, but you press the Simplex button, the scanner scans in Simplex, and vice versa.

- **Skip Blank Originals**—Skips pages that are completely blank. Typically you use this option when you will scan a stack of two-sided pages which have a number of blank sides. This option is only available for Duplex scanning.
- **Color Filter**—Color filter is the ability of your scanner to automatically remove a color from a scanned item. For example, if you are scanning a letter with a red watermark, you can choose to filter out the red so the scanned letter just shows the text and not the red watermark. Color filter applies to Black&White or Grayscale Mode.

The original with a red watermark over black text.



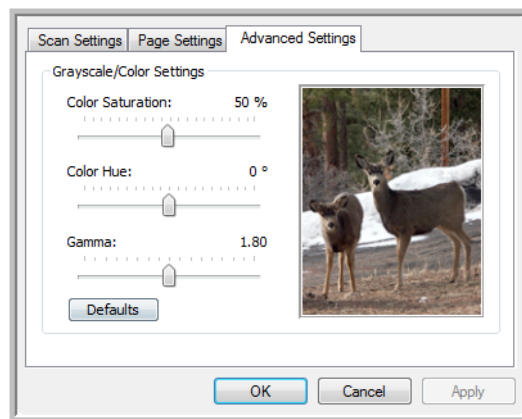
The scanned item with the red filtered out.



8. Click the **Advanced Settings** tab.

The options of the Advanced Settings tab are for the Color or Grayscale scanning mode.

Saturation is the strength or purity of a color, hue is the color your eyes see as reflected from the image, and gamma controls the brightness of the midtones of the color.



9. Drag the sliders to the left and right to change the color settings. As you do, the image changes to show the effects of the new settings.

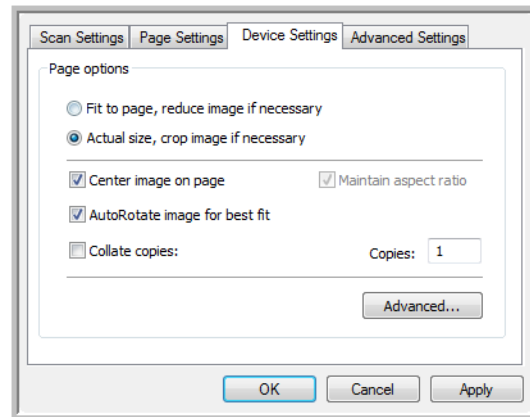
10. Click **OK** to save the new configuration.

It will now be in the list of Scan Configurations on the One Touch Properties window for the appropriate Destination Applications.

## The Device Settings Tab

A Device Settings tab is on the Scan Configurations dialog box when your selected Destination Application sends the scanned image to a printer, fax application, or other device. You use the options on the Device Settings tab to select settings for the device.

1. Click on the **Device Settings** tab.



**Fit to page, reduce image if necessary**—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be reduced to fit the page.

**Actual size, crop image if necessary**—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be cropped around its edges to fit on the page.

**Center image on page**—The image will be printed in the center of the page instead of at the top right corner.

**Maintain aspect ratio**—The aspect ratio is the length-to-width relationship of the image's dimensions. Select this option so the image's relative proportions remain constant.

**AutoRotate image for best fit**—If the image is a Landscape format and the device is printing in the Portrait mode, or vice versa, rotate the image to fit on the page.

**Collate copies**—If you are printing more than one page, collate the copies. Enter the number of copies in the **Copies** box.

**Advanced**—Click to see additional settings for the device. The dialog box that opens is specific to the device. For example, if the device is your printer, the dialog box is your printer's setup settings.

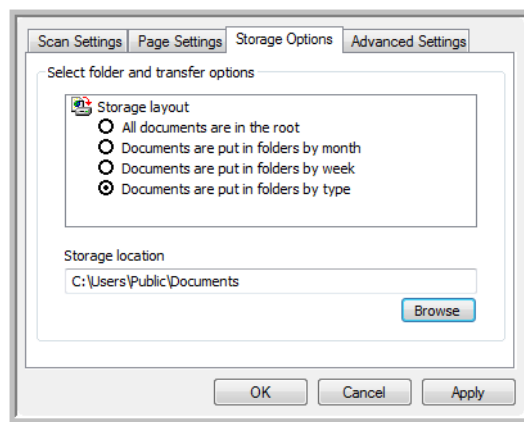
2. Click **OK** or **Apply**.

## The Storage Options Tab (Archive)

A Storage Options tab is on the Scan Configurations dialog box when the Destination Application is Transfer to Storage. You use the options on this tab to select where to save your scanned items for storage when scanning with that particular Scan Configuration.

**NOTE:** The selections on the Storage Options tab override the Storage Properties options. This means that you can create separate Scan Configurations to store scanned items at various locations. See “Storage Properties” on page 41 and “Transferring Scanned Documents to Storage” on page 74 for more details.

1. Click on the **Storage Options** tab.



2. Click the Storage Layout options you want.

**All documents are in the root**—The scanned documents are saved in the root of the folder specified in the Storage Location.

**Documents are put into folders by month, week, or type**—Folders are created based on your selection (month, week, or type) and the scanned documents are saved in those folders. New folders are created for each month and week so you can keep track of when you scanned the documents.

By default, the location of the archived documents is at **C:\Documents and Settings\ and in a folder based on your selection for the Storage Layout. For example, if the file type is TIFF, and you select **Documents are put into folders by type**, the default location of scanned archive documents is at **C:\Documents and Settings\.****

3. If you want to store your archive documents in some other location, click the **Browse** button to specify the new location.
4. Click **OK** or **Apply**.

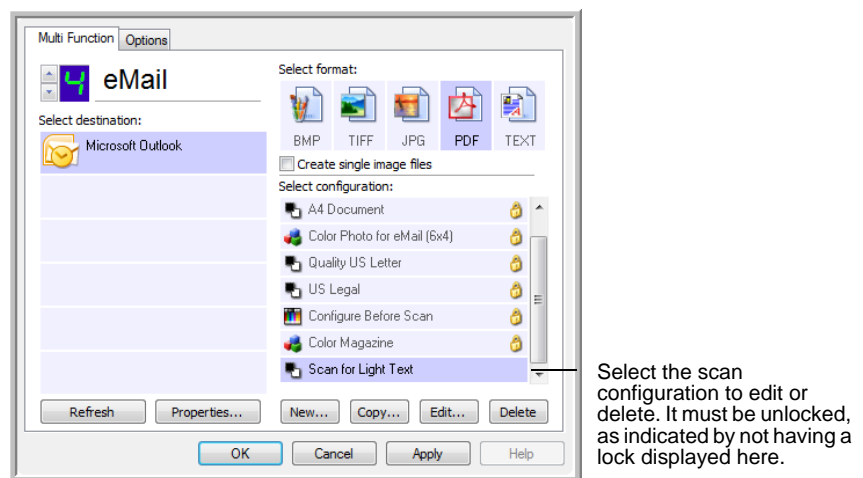
## Editing or Deleting Scan Configurations

Editing and deleting is normally for the configurations you create, not for your scanner's pre-set configurations.

**NOTE:** Your scanner comes with a number of configurations pre-set at the factory. To ensure that your scanner will always have a set of correct scan configurations, do not delete the pre-set configurations. We also recommend that you keep those configurations locked so they are not inadvertently deleted. That way, you will always have the factory-settings available. If you do delete or edit them, and want to get the factory pre-sets back again, you will need to uninstall then re-install your scanner.

### To edit or delete a scan configuration:

1. Open the One Touch Properties window.
2. Select the scan configuration you want to edit or delete.



3. To delete the configuration, click the **Delete** button.

**NOTE:** If the Delete button is not available, the selected configuration is locked and cannot be deleted. You must first click the **Edit** button and unlock the configuration, as explained in the next steps.

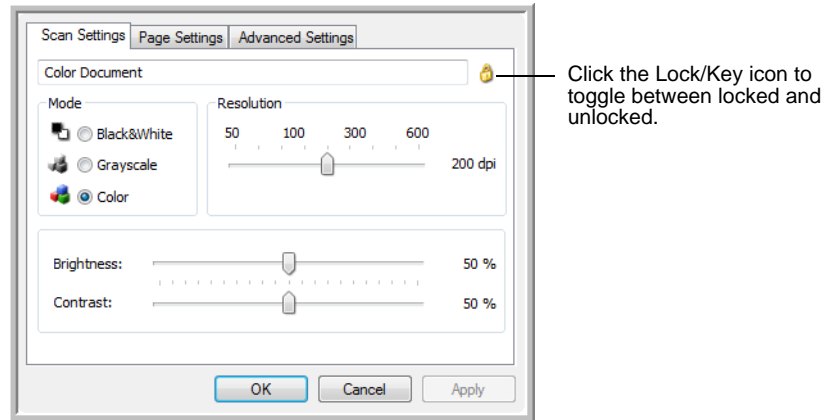
4. To edit the configuration, click the **Edit** button.

The Scan Configuration Properties dialog box opens for that configuration.

You can make changes to a configuration, but for the changes to be saved, the configuration must first be unlocked.



Click the Lock icon to unlock the configuration. Clicking it toggles between locking and unlocking the configuration. The key icon indicates the configuration is unlocked.



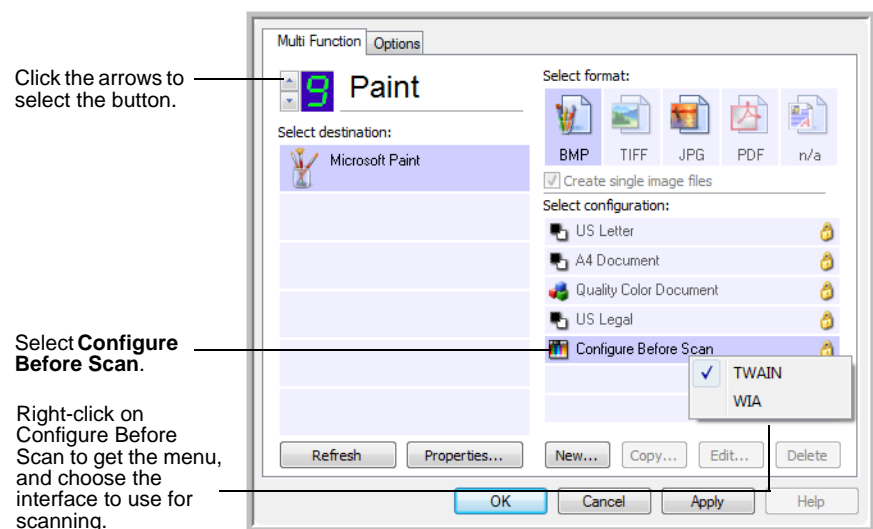
5. Edit the settings and click **Apply**.
6. Click **OK** to close the dialog box.

## Configure Before Scan

Choosing Configure Before Scan simply opens a scanning interface when you click a button. You can then use the interface to change the Resolution, Scan Mode, and other settings. When you scan, the scanned image will still be sent as the file type and to the same Destination Application already selected in the One Touch Properties window for that button.

### To Set Configure Before Scan:

1. Open the One Touch Properties window.
2. Using the arrows, choose the button that you want to set to configure before scanning.
3. Select the scan configuration **Configure Before Scan**.



4. Right-click on **Configure Before Scan** and choose an interface to use for configuring before scanning.

**TWAIN**—The TWAIN Interface opens for you to make changes prior to scanning. See “Accessing the TWAIN Interface from PaperPort” on page 84.

**WIA**—The Windows Image Acquisition Interface (WIA) opens for you to make changes prior to scanning (available on Windows XP or Windows Vista only). See “Scanning with the WIA Interface” on page 97.

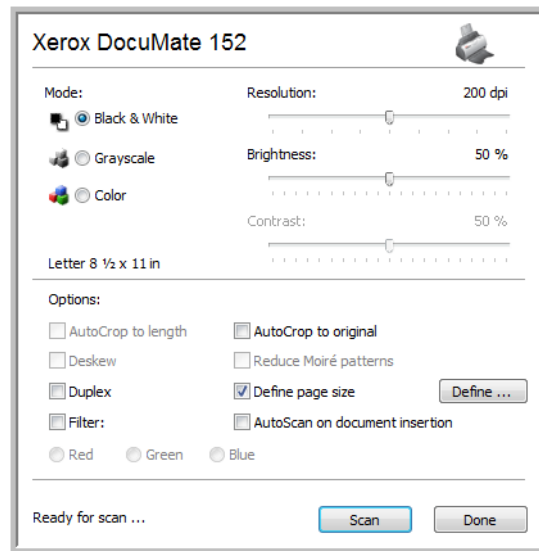
5. Click **OK** or **Apply** on the One Touch Properties window.

## To Scan Using Configure Before Scan

1. Put the documents in the scanner's ADF tray.
2. Click on the button you set to use the **Configure Before Scan** option.

In the example shown on the previous page, the scanning option 9 has been set to use Configure Before Scan.

3. The TWAIN interface will open.



4. Choose the Options applicable to your scan batch.
5. Click on the Scan button in the TWAIN interface.
6. Your documents will be scanned and sent to the Destination Application specified in the One Touch 4.0 Properties.

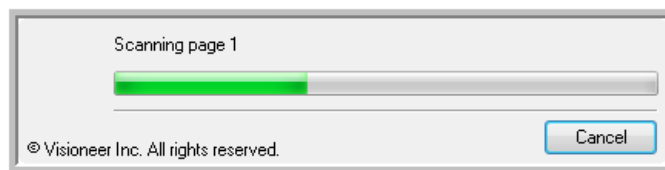
In the example shown on the previous page, the Destination Application is Microsoft Paint.

The TWAIN interface lists the scanning options available with your Xerox DocuMate 152 scanner. Please see "Scanning with the TWAIN Interface from PaperPort" on page 83.

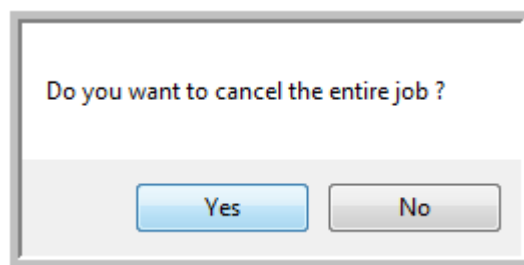
## Canceling a Configure Before Scan

To cancel a scan after scanning has begun:

1. Click on the **Cancel** button in the scanning progress window.



2. The following window will open asking you if you want to cancel the entire job.



- **Yes**—scanning stops and all pages scanned in this batch, up to this point, will be deleted. The TWAIN interface will close and you can restart your scan from the beginning.

Choose **Yes** if the TWAIN scan settings are incorrect for your current scanning batch.

For instance, the Scan Mode is Black & White but you want to scan your documents in color, choose Yes to delete any scanned pages, then select the correct Picture Type and restart the scanning.

- **No**—scanning stops, but all pages scanned in this batch, up to this point, are not deleted and the TWAIN interface remains open. You can place a new page in the ADF, adjust the TWAIN settings for the new page, then click on the Scan button in the TWAIN interface to continue scanning. At the end of the scanning batch, all pages from the first portion of the scan and second will be sent to the Destination Application.

Choose this option if, for instance, you have been scanning a black & white document but you want to insert a color page into the document. Instead of having to re-scan the entire stack, you can stop the current scan, change the Picture Type from Black & White to Color, then restart the scanning without losing the pages already scanned.

## Scanning with Optical Character Recognition (OCR)

---

Optical Character Recognition (OCR) converts text and numbers on a scanned page into editable text and numbers. You can then work with the text and numbers to edit, spellcheck, change font or type size, sort, calculate, and so forth.

The One Touch OmniPage Module *or* the OmniPage Pro software must be installed on your computer in order to use the OCR options with the One Touch 4.0 software and your DocuMate 152 scanner. One Touch 4.0 and OmniPage Pro work together to combine scanning with OCR processing into one integrated step. The One Touch OmniPage Module was automatically installed when you installed your driver; the OmniPage Pro software is on the Disc 2 CD that you received with your scanner. The One Touch OmniPage Module and the OmniPage Software can both be installed on your computer at the same time, however, the features in the One Touch OmniPage Module will take precedence over the OmniPage software features when using One Touch 4.0. The *One Touch OmniPage Mini-Guide* is available on the Disc 1 installation CD.

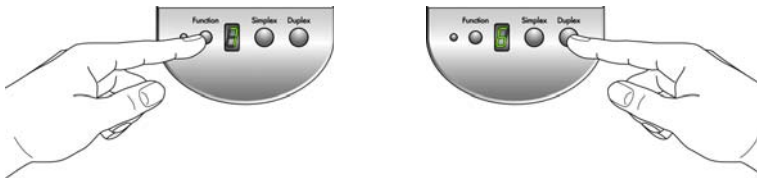
With the One Touch OmniPage Module or OmniPage Pro software installed, the OCR process is automatic when the page format on the One Touch Properties window is a text format, such as DOC, TEXT, XLS, RTF, and so forth.

**NOTE:** Xerox recommends that all OCR processing use the original factory settings for OCR scanning that came with your scanner. When scanning with other settings, use at least 300 dpi for the resolution. If the original documents are of poor quality or have a small type font, 400 dpi can be used as the maximum resolution.

**NOTE:** If you have uninstalled the One Touch OmniPage Module or the OmniPage Pro software from your computer, items scanned as a text format are still converted with the OCR process, however, the options available with the process are then limited.

## To scan with OCR:

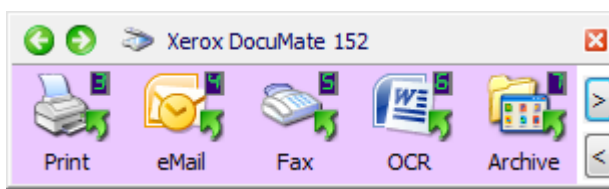
1. To scan using the buttons on the scanner, press the Destination Selector until the LED is at 6, then press the **Simplex** or **Duplex** button.



**NOTE:** One Touch Button 6 is preset as your OCR button. But you can also set up any other button to scan and OCR the text.



2. To scan from the One Touch Button Panel, click the One Touch icon in the Windows Notification Area, click the arrows to see Button 6, then click Button 6.



Click the arrows until Button 6 is on the panel, then click Button 6.

3. Scan the document.

Your scanned pages appear in the Destination Application with their text ready for editing and other text processing.

**NOTE:** OCR scanning is also for spreadsheets so you can work in Microsoft Excel (or other spreadsheet application) with the figures and text from the original spreadsheets.

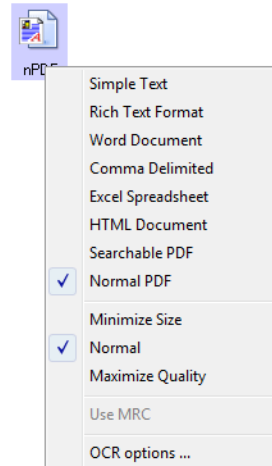
**NOTE:** Please Refer to the **One Touch OmniPage Mini-Guide**, on Disc 1 that you received with your scanner, for detailed instructions on configuring and scanning with the advanced OCR Options.

## Scanning with sPDF or nPDF and Searching for Text

Searchable PDF (sPDF) and Normal PDF (nPDF) are special forms of an Adobe PDF file. sPDF converts scanned text into the PDF format with text search and OCR capabilities. nPDF has those same features, plus you can edit the text in an nPDF image if you have a PDF editing program. The two PDF formats can also produce images with different image quality, so you may want to experiment with them to determine which is better for your scanned documents. sPDF and nPDF are only available as page format options if the One Touch OmniPage Module or the OmniPage Software is installed on your computer.

### To scan with sPDF or nPDF:

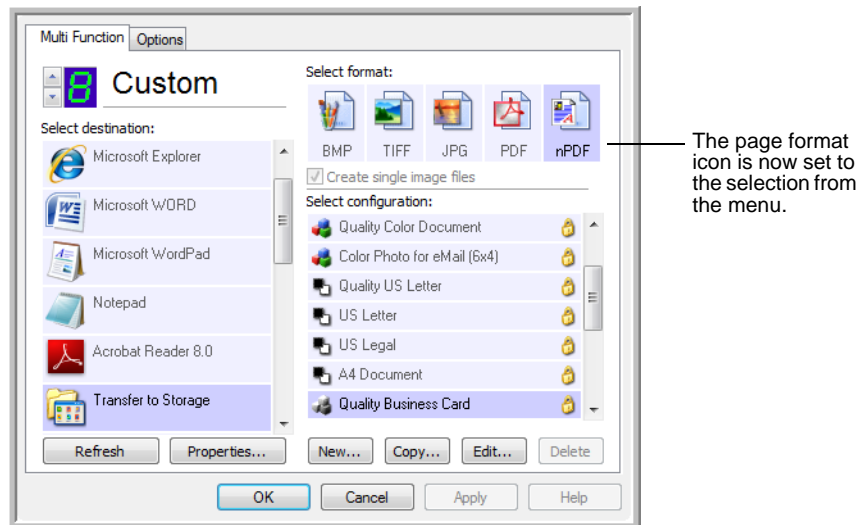
1. Open the One Touch Properties window.
2. Using the arrows, choose a One Touch button to use for the sPDF or nPDF scanning.
3. Select a Destination Application that uses a text format as the page format.
4. Right-click on the text format icon.



5. Choose the **Searchable PDF** or **Normal PDF** option for the page format.

**NOTE:** Not all Destination Applications have the sPDF and nPDF options. Microsoft Word, for example, does not have them as scanning options.

The settings for the button (button 8 in this example) now show your page format selection.



6. Choose a Scan Configuration.

7. Click **OK**.

The One Touch Properties window closes.

8. Now scan with that button and the scanned document will be in the sPDF or nPDF format that was selected for the button.

**NOTE:** The Transfer to Storage selection for a Destination Application also has the sPDF and nPDF options. That means you can scan and store items directly to a server in these formats.

9. To search for the text, open Adobe Acrobat Reader or Adobe Acrobat.

10. From the Adobe Acrobat **File** menu choose **Open**, and open the file you just scanned.

11. From the Adobe Acrobat **Edit** menu choose **Find**.

The Find dialog box opens.

12. Enter the text you want to find, and click the **Find** button.

See the Adobe Acrobat user manual for more about finding text in a PDF file, or about editing PDF text.

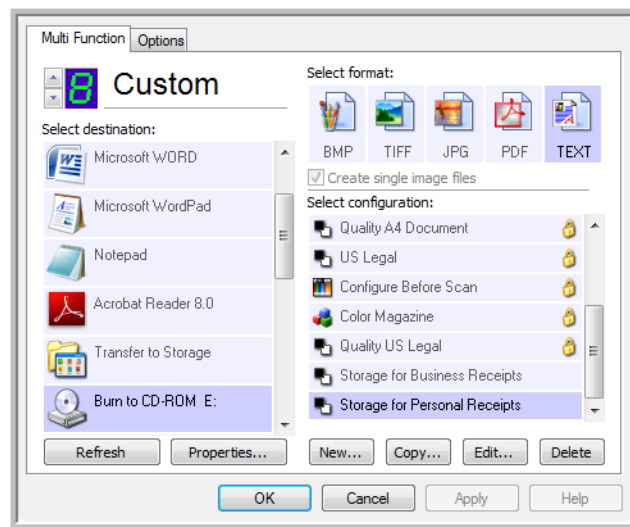


## Scan and Burn to a CD

If you have a CD burner attached to your computer, you can scan directly from your scanner onto a CD. This feature is available only on computers running Windows XP or Windows Vista.

### To scan and burn to a CD:

1. Put a blank CD into your computer's CD Drive.
2. Open the One Touch Properties window.
3. Using the arrows, choose a button to use for scanning and burning to a CD.
4. Select **Burn to CD** as the Destination Application.



The Burn to CD Destination Application is only available if you have a CD burner attached to your computer, but you do not need to have a CD in the burner to select the destination.

5. Choose a Page Format and a Scan Configuration.
6. Click **OK**.

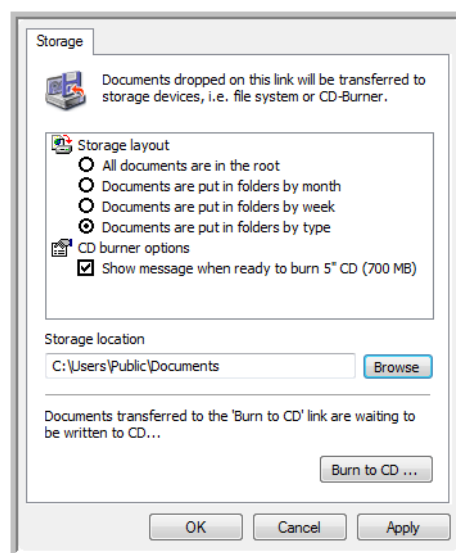
The One Touch Properties window closes.

7. Now start scanning using the button you selected to use to scan and burn to a CD.

When scanning is finished, a bubble message on the screen tells you that files are waiting to be burned to the CD.

8. Open the One Touch window and make sure that the **Burn to CD** Destination Application is still selected and click the **Properties** button.

The One Touch 4.0 Link Properties window opens,



9. Make sure a blank CD is in the CD burner.
10. Click the **Burn to CD** button. The CD burner begins and your scanned documents are written to the CD.

**NOTE:** Until you click **Burn to CD** these files are stored in your computer at **C:\Documents and Settings\\Local Settings\Application Data\Microsoft\CD Burning**. This is where Windows XP and Windows Vista store all files waiting to be burned to a CD by the automatic CD writing wizard. If other files are also waiting in this location, they will get written with the One Touch files on the CD.

**NOTE:** When scanning items to burn to a CD, you should always use one of the factory-set default configurations, or a custom configuration specifically set up for CD burning. The default configurations are already set up to send the scanned images to the proper storage location where the Windows XP and Windows Vista CD writing wizard can find the files to burn to the CD. Likewise, when you create a custom configuration for CD burning, the OneTouch software will automatically make sure the storage location is correct.

To create a custom configuration for CD burning, select **Burn to CD** as the Destination Application, then click the **New** button and create the new configuration. You won't need to select a storage location because it will be correctly preset for you by the OneTouch software.

**NOTE:** Note however, that if you have created other custom configurations with different storage locations (for example, see "Scanning to Multiple Archive Folders" on page 75), do not use them for the Burn to CD Destination Application. Otherwise, the Windows XP or Windows Vista CD writing wizard will not be able to find the images to burn onto the CD.

## Scanning with Event Forwarding

If you want to specify an application to use for scanning at the start of the process, you can use event forwarding. The scanner will feed in the first page, but will then stop until you select the application to use. After you select the application, its interface will open and you can use it to continue with the scanning.

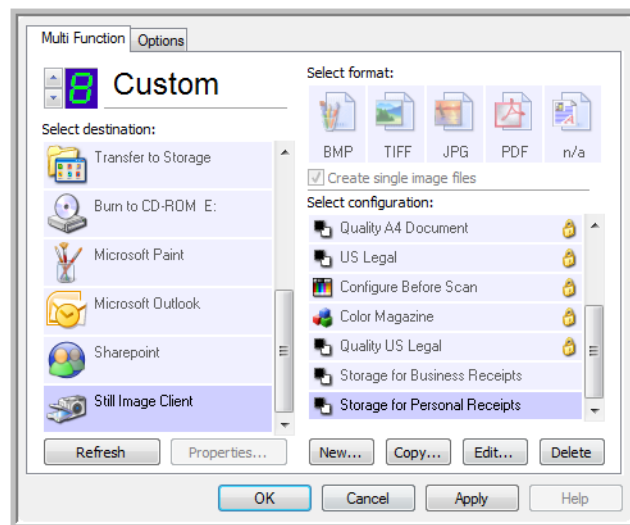
### To scan with event forwarding:

1. Open the One Touch Properties window.
2. Using the arrows, choose a button to use for the event forwarding.

If the button does not have Still Image Client as a Destination Application, click the **Options** tab, select **Sti event forwarding**, then click **Apply**.

3. Select **Still Image Client** as the Destination Application.

Note that you cannot choose a page format for this option because the actual Destination Application is not selected until after the scanner feeds in the first page of your document.

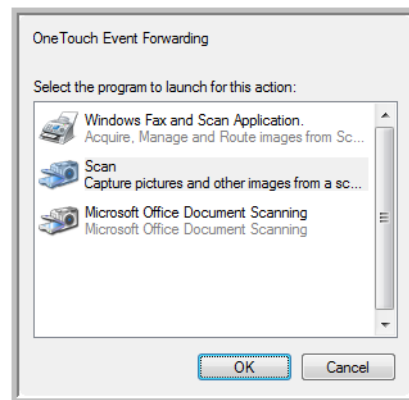


4. Choose a Scan Configuration.
5. Click **OK**.

The One Touch Properties window closes.

6. Start scanning using the button you selected for event forwarding.

A dialog box opens for you to select the application to use for scanning.



7. Select the application in the box and click **OK**.

Now the application you selected opens and you can continue scanning using the application's TWAIN interface.

## Creating an HTML Web Page from Your Scanned Documents

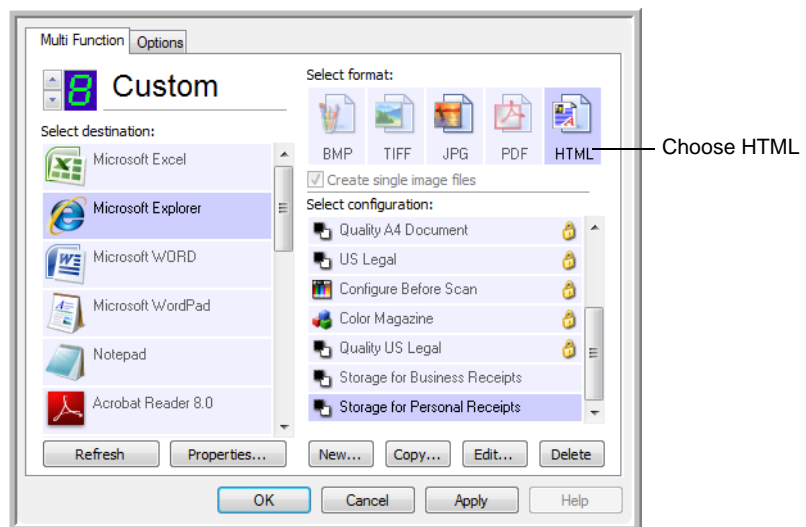
If you scan a document, whether a single page or multiple pages, you can have the pages converted directly to HTML formatted pages for posting directly to your web site. Those pages are then viewable by visitors to your web site without the need for any internet plug-ins or other special processing. This is, essentially, from your scanner to a web-ready format in one automatic step.

### To scan and create an HTML web page:

1. Open the One Touch Properties window.
2. Using the arrows, choose a button that has Microsoft Explorer as one of its Destination Applications, such as Button 8 (Custom).

If the button does not have Microsoft Explorer as a Destination Application, click the **Options** tab, select **Text editing applications (i.e. Word)**, then click **Apply**.

3. Select **Microsoft Explorer** as the Destination Application.
4. Choose **HTML** as the Page Format.



5. Choose a Scan Configuration that has the settings for the image on the HTML page.

For example, if you want the image to be in color on the HTML page, choose a color configuration.

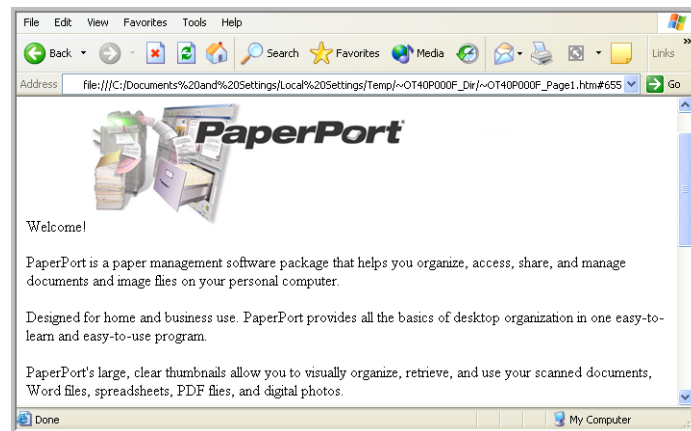
6. Click **OK**.

The One Touch Properties window closes.

7. Now on the One Touch Button Panel, click Button 8 (Custom) (or if you used another button, click it).

When scanning is finished, the document is first converted to editable text using the OCR process, then is converted into an HTML format. Microsoft Internet Explorer then opens showing your converted page.

**NOTE:** Depending on the complexity of the document, its conversion to the HTML format may take a few moments.



8. Choose **Save As** from the Internet Explorer **File** menu, give the page a name, and save it in the location you use for your web page files.

You may also want to write down the address shown in the Address bar to make sure you'll know where to find your new HTML page later on.

9. You can now use Microsoft Internet Explorer or other application to post the document to your web page as you would any other HTML page.

## Transferring Scanned Documents to Storage

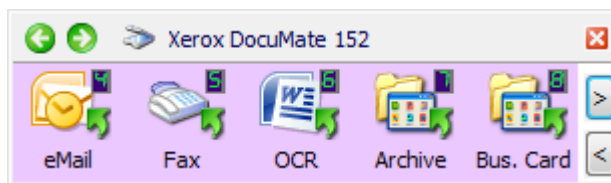
With the Transfer to Storage scanning process, you can scan documents and save them in a folder in one step. The process is ideal for archiving documents without having to manually save or process them in any other way. If you choose a text format for the file format, the documents are also automatically converted by the OCR process into editable text and numbers before being stored.

**NOTE:** One Touch Button 7 is preset as your Archive button, but you can set up any other button to scan to Archive the text.

1. To scan using the buttons on the scanner, press the Destination Selector until the LED is at 7, then press the **Simplex** or **Duplex** button.



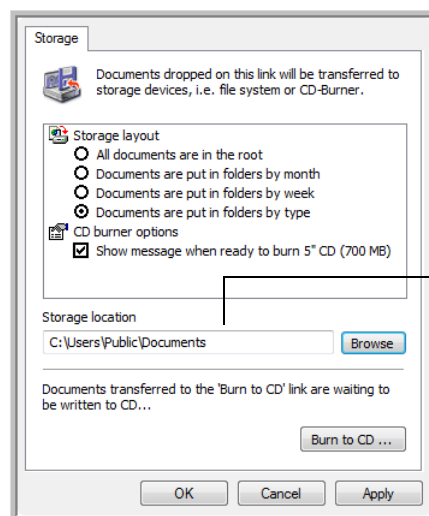
2. To scan from the One Touch Button Panel, click the One Touch icon in the Windows Notification Area, click the arrows to see Button 7, then click Button 7.



Click the arrows until Button 7 is on the panel, then click it.

3. The documents are scanned and stored in a folder. They do not appear in a Destination Application first.

Your scanned pages are stored in the location that you specified on the One Touch 4.0 Link Properties window.



Your scanned documents will be stored at the location you specified on the One Touch 4.0 Link Properties window.

**NOTE:** The Storage Location shown in the example above is the default place where your scanned documents are stored if you haven't created any new scanning configurations or selected a new storage location. If you create a new scan configuration that has its own storage location and you use that configuration to scan, your scanned documents will be stored at the new location instead of the default. The next section, "Scanning to Multiple Archive Folders," shows examples of setting up new storage locations.

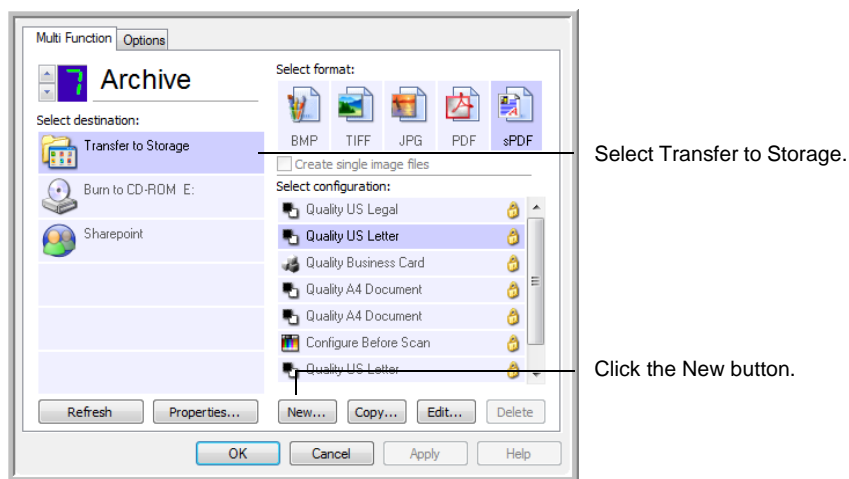
## Scanning to Multiple Archive Folders

When archiving documents with the Transfer to Storage option, you can scan them to multiple folders. For example, one folder might be for "Business Receipts," a second folder might be for "Personal Receipts," and a third folder might be for "Annual Receipts."

To scan to multiple folders, you create multiple scan configurations with Transfer to Storage as the Destination Application, and assign each scan configuration to one of the scanner buttons.

### Setting up multiple folders for transfer to storage:

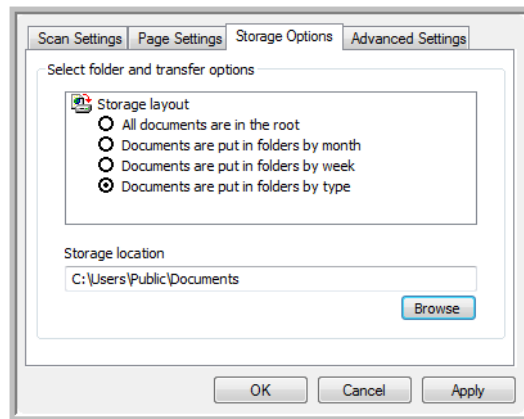
1. Using Microsoft Windows, create the folders that you want to use for storing scanned items. Note that you can also create the folders later while creating the new scan configurations.
2. Open the One Touch Properties window.
3. Select **Transfer to Storage** as the Destination Application.
4. Click the **New** button.



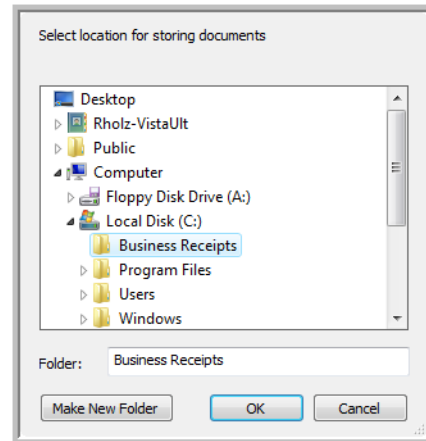
The Scan Configuration Properties dialog box opens.



5. To help you remember which folder it is, give the new configuration a name that indicates the folder name, such as “Storage for Business Receipts.”
6. Click the **Scan Settings**, **Page Settings**, and **Advanced Settings** tabs, and select the settings you want.
7. Click the **Storage Options** tab.

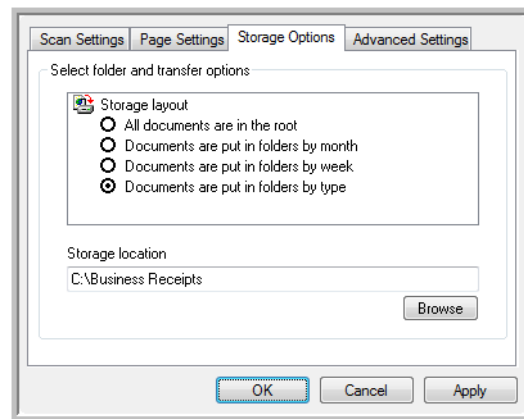


8. Click the **Browse** button.
9. Select the folder you created for storing the scanned documents.



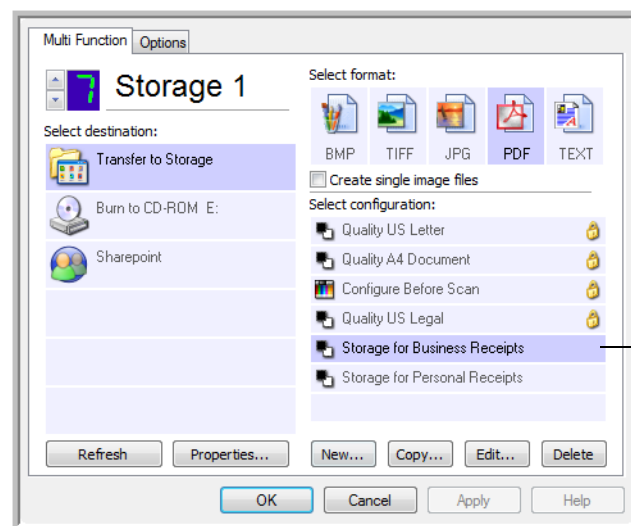
If you haven't created the folder yet, you can click the **Make New Folder** button and type the name for the new folder.

- Click **OK**. The selected folder will now be set as the Storage Location, such as “Business Receipts.”



- Click **Apply**. The new configuration is now listed as a Transfer to Storage configuration.
- Repeat the process to create additional new configurations, such as one named “Storage for Personal Receipts.”
- Make sure to designate separate folders as the Storage Locations for the new configurations.

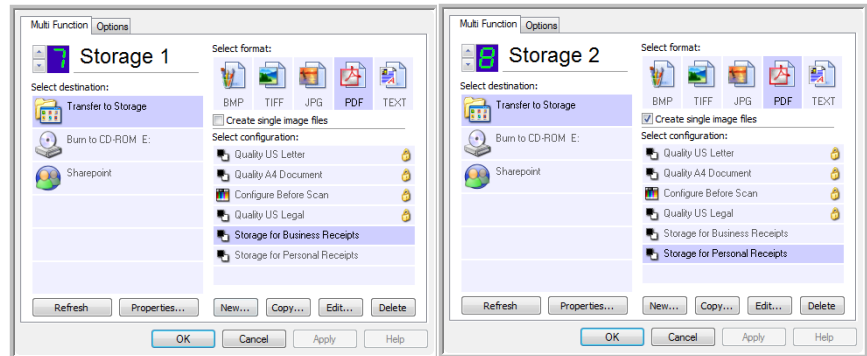
You will now have multiple configurations set up for the Transfer to Storage destination, and each configuration scans documents to separate folders.



The new configurations apply to the Transfer to Storage Destination Application.

- Now click the arrow buttons to select a scanner button for each new configuration. Click **Apply** to set that button for that configuration.

The following examples show that buttons 7 and 8 have been set to scan to each of the new configurations.



Note that the button names have also been changed to Storage 1 and Storage 2 to remind you that both send documents to storage, but to different locations. To change button names, see “Renaming a One Touch Button” on page 49.

### Scan to multiple storage folders:

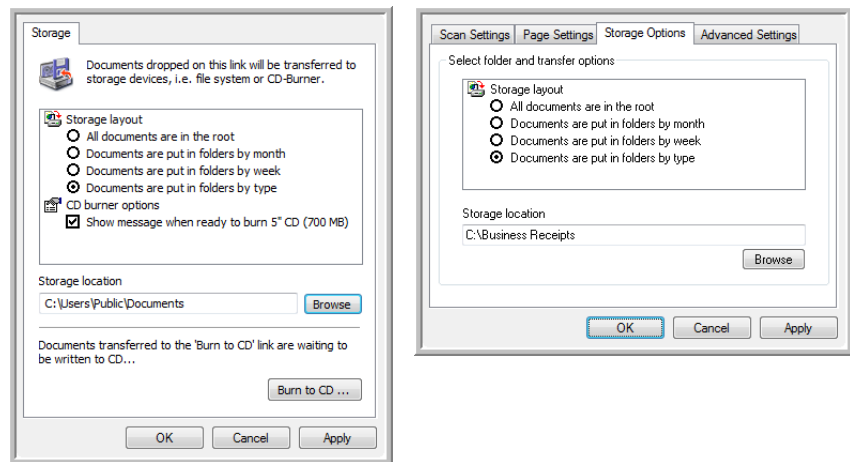
- Insert the documents you want to scan to storage.
- Press the **Destination Selector** buttons on the scanner to get to one of the buttons set up for scanning to storage.
- Press the **Simplex** or **Duplex** button to scan the documents.
- When scanning is finished, insert the next set of documents and press the **Destination Selector** buttons to get to the next button you have set up for scanning.
- Press the **Simplex** or **Duplex** button to scan the documents.

When scanning is finished, the documents are stored in the two separate folders.

## To Transfer Documents to a Server or Mapped Drive

When selecting the storage location for scanned documents, you can select a local folder, or a folder on a server or mapped drive. You select a mapped drive using the **Browse** button.

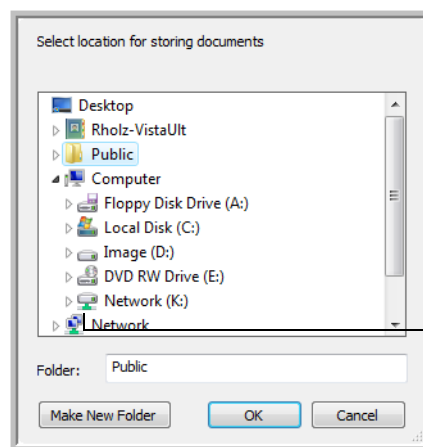
1. See “Scanning to Multiple Archive Folders” on page 75 or “Transferring Scanned Documents to Storage” on page 74 for the steps to select the Transfer to Storage options.
2. On either the One Touch 4.0 Link Properties window, or from the Scan Configuration Properties window, click the **Browse** button.



The Browse For Folder window opens.

3. Select a storage location on the mapped drive or server for the scanned documents.

Servers and mapped drives are represented by an icon that indicates its network connection.



Select a mapped drive or server as indicated by the icon.

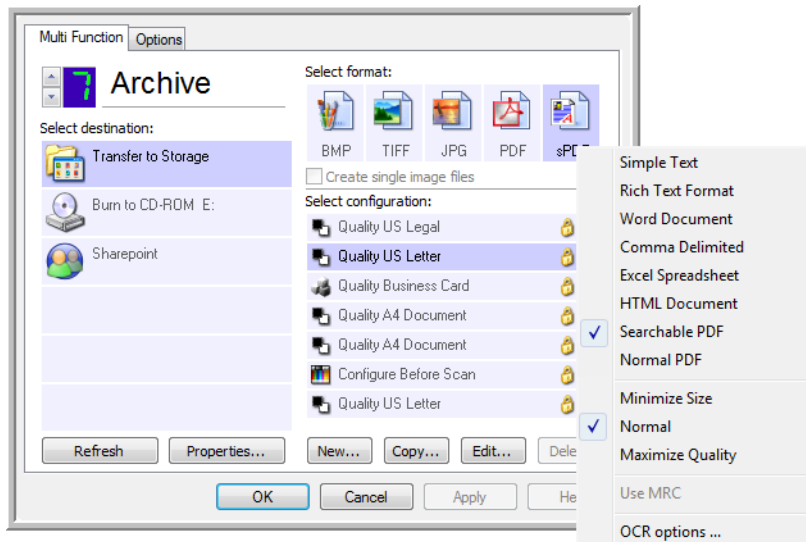
4. Click **OK**.

Now when you scan using Transfer to Storage as the Destination Application, the documents are stored on the server or mapped drive.

### To Use OCR Before Transferring to Storage

If the documents you want to transfer to storage are text documents or spreadsheets, you can have them converted by the OCR process prior to being stored.

1. Open the One Touch Properties window.
2. Using the arrows, choose Button 7 (Archive), or any other button if it is set up with Transfer to Storage as one of its Destination Applications.
3. Choose a text format as the file format.
4. Right-click on the text format icon and choose the file format for the scanned documents.



5. Choose a Scan Configuration.

6. Click **OK**.

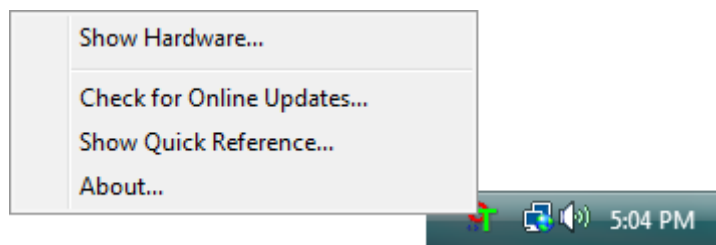
The One Touch Properties window closes.

7. Now start scanning using Button 7 (or other button you set up for archiving).

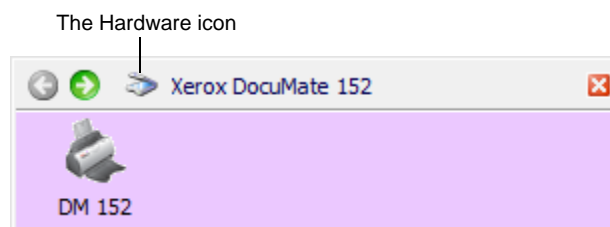
When scanning is finished, the documents are saved in the text file format and in the location you specified.

## Checking the Hardware and Setting the Lamp Power Saving

1. Right-click on the One Touch icon and choose **Show Hardware** from the pop-up menu.

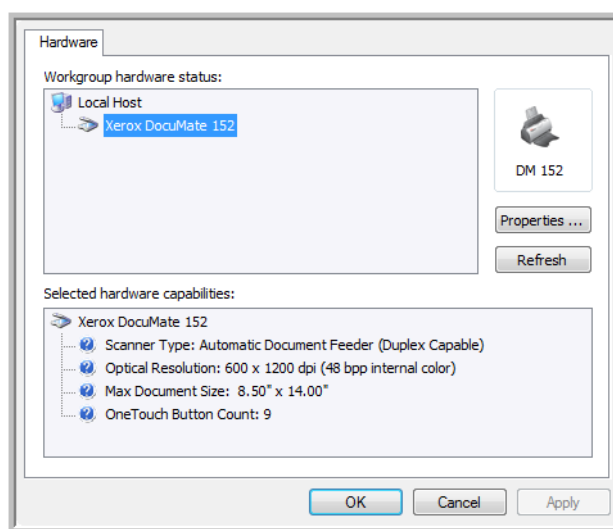


You can also click the scanner icon at the top of the One Touch Button Panel.

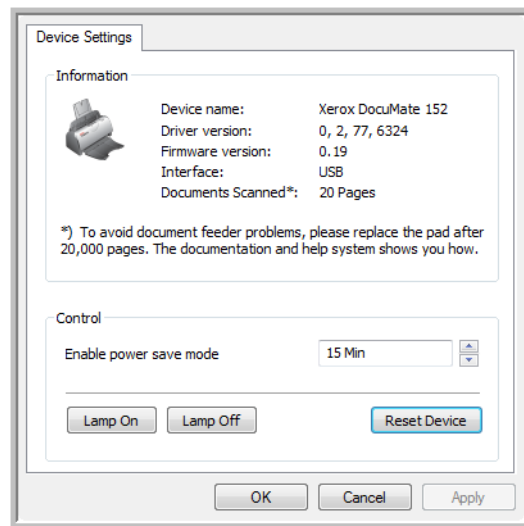


If the Hardware View of the panel is open you can also right-click on the DM152 icon.

The Hardware Properties dialog box opens and shows information about your Xerox DocuMate 152 scanner.



2. Click the **Properties** button.



Your scanner has a built-in power saving feature that is set to power down after 15 minutes of idle time. You can change the time before the scanner powers down, from 1 minute to a maximum of 10 hours.

3. Click the arrows for the Lamp timeout setting and choose a time setting.

To turn the lamp on and off manually without turning off power to the scanner, click the **Lamp On** or **Lamp Off** buttons.

To return the scanner to its factory settings, click **Reset Device**.

4. Click **OK** to save the changes and close the dialog box.

# Scanning with the TWAIN Interface from PaperPort

Instead of using the scanner buttons or the One Touch Button Panel to scan, you can scan from the TWAIN interface. The PaperPort application you received with your scanner uses the TWAIN interface for scanning. This scanning method is particularly helpful when you're using PaperPort to file and save scanned items, or to adjust scanning settings prior to scanning.

**A Note About Your Scanner and the TWAIN standard:** TWAIN is a widely recognized procedure that software applications use to receive images from scanners, digital cameras, and other digital devices. This guide shows how to scan with the TWAIN interface from PaperPort. But you can also open the same TWAIN interface from many other graphics and imaging applications and scan from them as well. Because the TWAIN interface is the same regardless of the software you use to open it, you can still use the instructions in this *User's Guide* for scanning with your Xerox DocuMate 152 scanner. To access the TWAIN interface from other software, please refer to their user's guides, then return to this *User's Guide* for the steps to scan.

**NOTE:** If the One Touch configuration you're using to scan is set to **Configure Before Scan**, and the selected option is **TWAIN**, the TWAIN interface opens right away without opening PaperPort first. See the section "Configure Before Scan" on page 61 for details.

## Getting Help with the PaperPort Software

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The PaperPort software includes a complete set of help topics that answer questions about each feature of the software. To open the Help Topics window, press the **F1** key or choose **PaperPort Help** from the **Help** menu.

You can also refer to the *PaperPort Getting Started Guide* and *PaperPort User's Guide* on the CD.



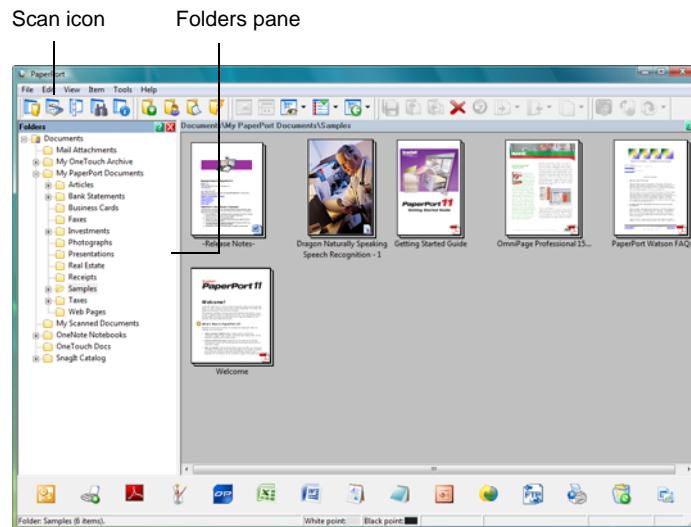
## Accessing the TWAIN Interface from PaperPort

The instructions in this section are for accessing the TWAIN interface from the PaperPort application.

### To access the TWAIN interface from PaperPort:

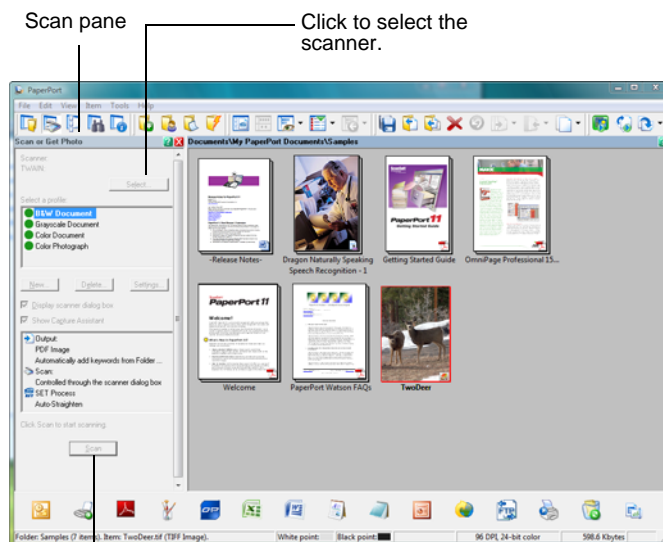
1. On the Windows taskbar, click **Start**, point to **Programs**, point to **ScanSoft PaperPort**, then click **PaperPort**.

The PaperPort desktop opens.



2. Click the **Scan** icon on the PaperPort command bar.

The Folders pane (which shows folders for organizing your scanned images) is replaced by the Scan pane.



If this Scan button is not active, see the section on page 92 to setup your computer.

**NOTE:** If the Scan button at the bottom of panel is not available when you make a selection from the Scanner drop-down list, your computer needs to be setup to use the scanner. See the section “Setting Up PaperPort to Work with Your Scanner” on page 92.

- Click the Scanner drop-down arrow, and select **TWAIN: Xerox DocuMate 152** from the drop-down list.

**NOTE:** Please wait a few moments for your selection from the drop-down list to become active. This delay only occurs the first time you select from the list while PaperPort initializes the scanner. Later on, selecting from the list happens right away.

- In the “Scan what?” section, choose to scan a **Document** or **Photograph**.

If you want to change the format of the scanned item’s file name or file type before you start scanning, click **Settings**. The default file type for documents is .pdf and the default for photographs is .jpg. See the *ScanSoft PaperPort User’s Guide* for more information about the PaperPort Settings.

Create single page items

- When scanning documents, use the **Create single page items** check box as follows:

- When the check box is selected, all pages in the Automatic Document Feeder are scanned, the TWAIN interface closes, and each page is placed on the PaperPort Desktop as an individual file.
- When the check box is not selected, the scanned pages are not placed on the PaperPort Desktop until you indicate the scanning job is finished by clicking **Done** on the TWAIN interface then clicking **Done** on the **PaperPort-Scan** window. Multiple pages are “stacked” on the PaperPort Desktop. Please see the *ScanSoft PaperPort User’s Guide* for more information about stacks.

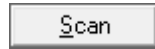
- The option **Blank page is job separator** is for when you load several separate scanning jobs into the Automatic Document Feeder at the same time. Insert a blank page between them and each job will become a separate stack on the PaperPort Desktop when scanning is finished.

Please see the *ScanSoft PaperPort User’s Guide* for more information about this option.

Display scanner dialog box

7. Make sure the option **Display scanner dialog box** is selected.

If this option is not selected, the TWAIN interface will not open when you click the **Scan** button. Instead, the items are scanned with the basic PaperPort settings. Documents are scanned in Black and White in the .pdf file format, and Photographs are scanned in Color in the .jpg file format.



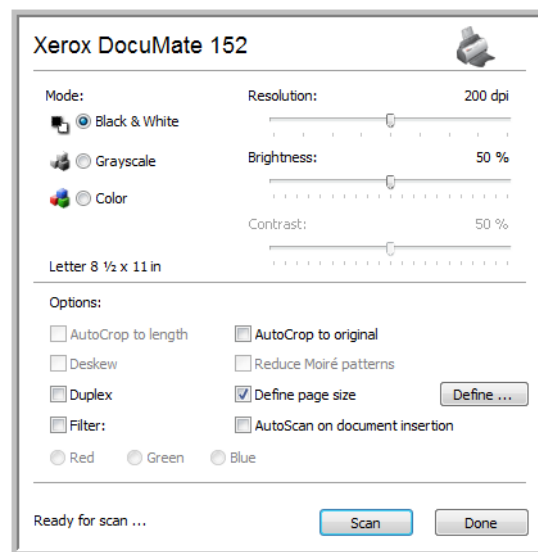
8. Click the **Scan** button on the Scan pane.

The PaperPort TWAIN interface opens. You're ready to start scanning.

## Scanning from the TWAIN Interface

---

The TWAIN interface lists the scanning options available with your Xerox DocuMate 152 scanner.



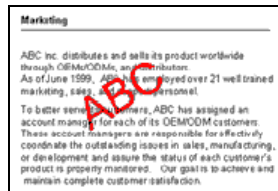
The options on the Xerox DocuMate 152 TWAIN interface are:

- **Mode**—Select a scanning mode:
  - Black&White** to scan in black and white. The scanning pixels are all the same size and are either black or white. Use this setting for letters, memos, and other black and white material. This scan mode produces the smallest file size.
  - GreyScale** to scan items such as documents containing drawings or black and white photographs. The scanning produces an image of up to 256 shades of gray. You can also scan a color document to turn its colors into gray shades. The file size is about one third that of a color scan.
  - Color** to scan magazine articles, photographs, and other color images in full color. Color scans have the largest file size.
- **Resolution**—Drag the slider to the right or left to adjust the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. This option determines the amount of detail you can see in the scanned image. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images. Usually the higher resolution settings are used for precision work, such as photographs or fine artwork.
- **Brightness and Contrast**—Sometimes an image is scanned with the brightness and contrast set too light or too dark. For example, a note written with a light pencil may need to be scanned darker to improve legibility. Increasing or decreasing the brightness makes the scanned image lighter or darker. Contrast refers to the difference between the lighter and darker portions of the image. Increasing the contrast emphasizes the difference between the lighter and darker portions, decreasing the contrast de-emphasizes that difference. Contrast is used in conjunction with brightness.
- **AutoCrop to Original**—Select this option to let the scanner automatically determine the size of the item being scanned. For example, if you scan a 5" x 7" photo, the scanner will determine the size of the photo, and the scan area is the size of that photo.

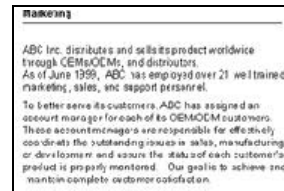
*When using the AutoCrop to Original option, always use the paper guides on the scanner so the page is not skewed.*
- **Duplex**—Scan both sides of the page. If this option is not selected, the scanner will only scan the side of the page facing down when you insert it into the scanner.

- **Filter**—The Filter is the ability of your scanner to automatically remove a color from a scanned item. For example, if you are scanning a letter with a red watermark, you can choose to filter out the red so the scanned letter just shows the text and not the red watermark. The Filter option applies to Black&White or Greyscale Mode.

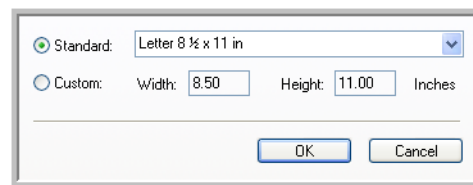
The original with a red watermark over black text.



The scanned item with the red filtered out.



- **Reduce Moire Patterns**—Moire patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations. Selecting **Reduce Moire Patterns** will limit or eliminate moire patterns in the scanned image. This option is only available for the Greyscale or Color Mode at 200 dpi or less.
- **Define page size**—Click this option to activate the **Define** button. Then click the **Define** button to see the **Define page size** dialog box for selecting a specific page size.



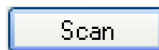
Click **Standard**, click the menu arrow and choose a page size from the list, or click **Custom** and enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters. Click the name of the units, inches or mm (millimeters), to toggle between them.

Click **OK**.

The currently selected page size appears in the middle of the TWAIN interface on the lefthand side.

The Define page size option cannot be used with **AutoCrop to original**.

- **AutoScan on document insertion**—Your Xerox DocuMate 152 scanner includes AutoLaunch technology that senses when an item is inserted into the paper feed and starts scanning immediately. Select this option to turn on the AutoLaunch feature. The item is scanned with the current settings on the TWAIN interface. If this option is not selected, the scanner waits for you to click the **Scan** button.
1. Select the options you want from the TWAIN interface, then load the documents with their tops into the Automatic Document Feeder. To scan a single side, insert the documents face down. To scan both sides, either side can be face up.



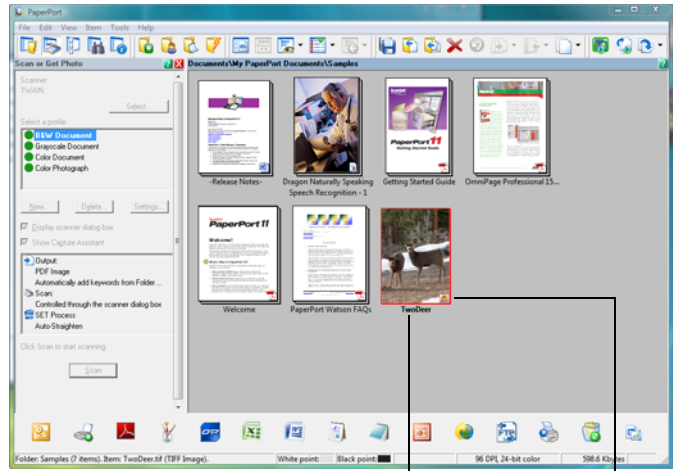
2. If the AutoScan feature is turned on, scanning begins.  
If the AutoScan feature is not turned on, click the **Scan** button.  
The scanner starts scanning and a progress box opens.



3. If you are scanning multiple pages, click the **Done** button on the TWAIN interface, and if you are using PaperPort click **Done** on the **PaperPort-Scan** window.

If you are scanning a single page, the TWAIN interface closes automatically.

When scanning is complete, the scanned images appear in the TWAIN software. This example shows a thumbnail image of a scanned page on the PaperPort Desktop.



A thumbnail image of the scanned item appears on the PaperPort desktop

The small icon represents the file format, in this case the .pdf format

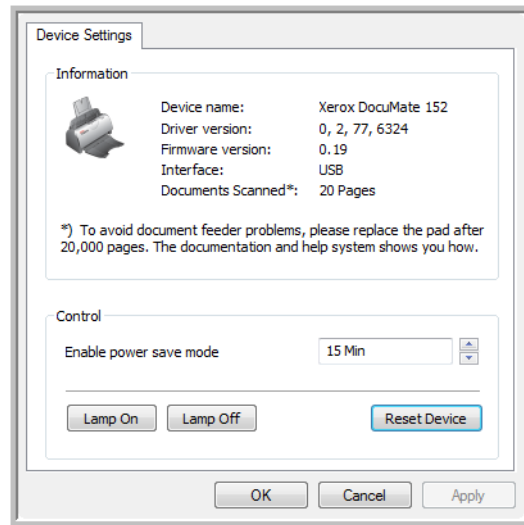
## Display the Device Configuration



1. Click the **Xerox DocuMate 152** icon in the top right corner of the TWAIN interface.

The Device configuration window opens and shows the information about your scanner.

See the section “Checking the Hardware and Setting the Lamp Power Saving” on page 81 for more information about the device settings.

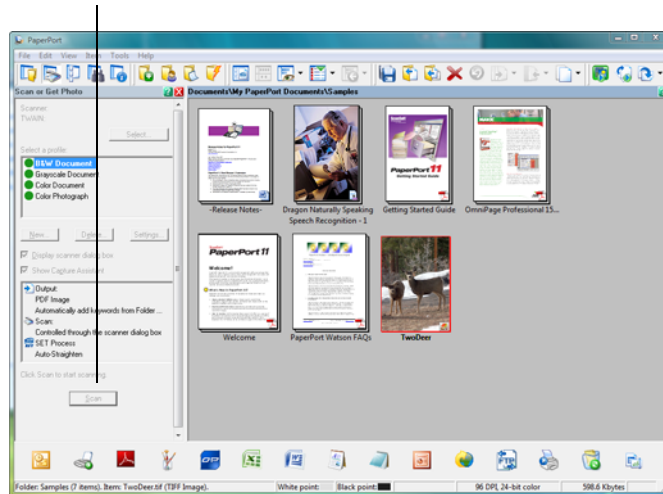




## Setting Up PaperPort to Work with Your Scanner

When you select a scanning option from the Scanner drop-down list, either **TWAIN: Xerox DocuMate 152** or **WIA: Xerox DocuMate 152** (Windows XP and Windows Vista only), the **Scan** button at the bottom of the panel should become active. If it doesn't you need to set up PaperPort to work with your scanner.

If this Scan button is not active, you need to setup your scanner.

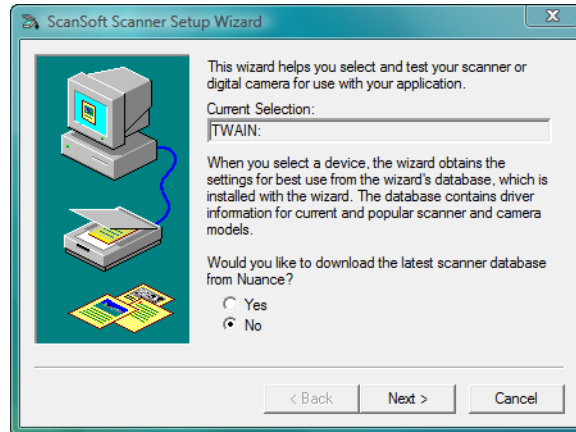


**NOTE:** Setting up PaperPort is a one-time-only process for each option from the Scanner drop-down list. Therefore, you may have to set up PaperPort once each for **TWAIN: Xerox DocuMate 152** and **WIA: Xerox DocuMate 152**. The setup process, described below, is the same for each option. You will not have to set up PaperPort again for either option unless you uninstall the scanner and PaperPort software, then re-install them.

## To set up PaperPort for your scanner:

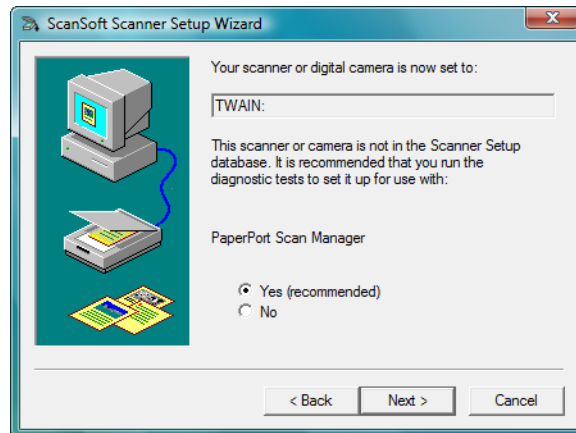
1. From the Scanner drop-down list, select one of the options, such as **Twain: Xerox DocuMate 152**.
2. Click the **Setup** button.

A window opens to begin the setup process.



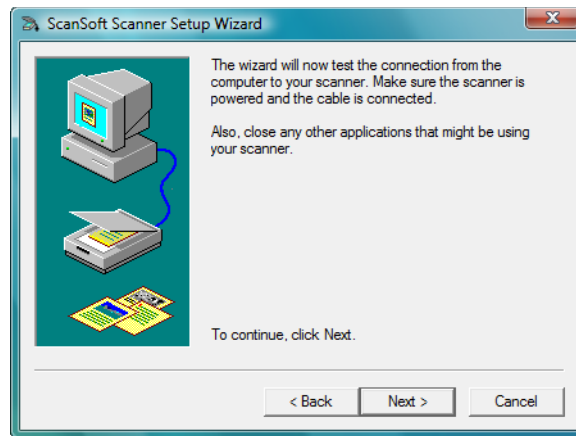
3. Click **Yes** then click **Next**.

The next window offers you the option to run hardware diagnostics.



4. Click **Yes (recommended)** then click **Next**.

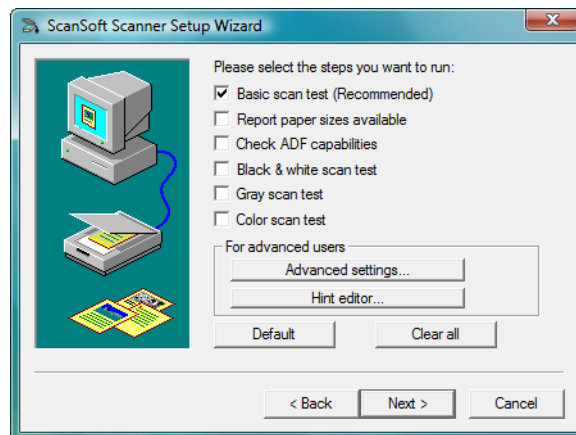
The next window is for checking the connection between your scanner and the computer.



5. Click **Next**.

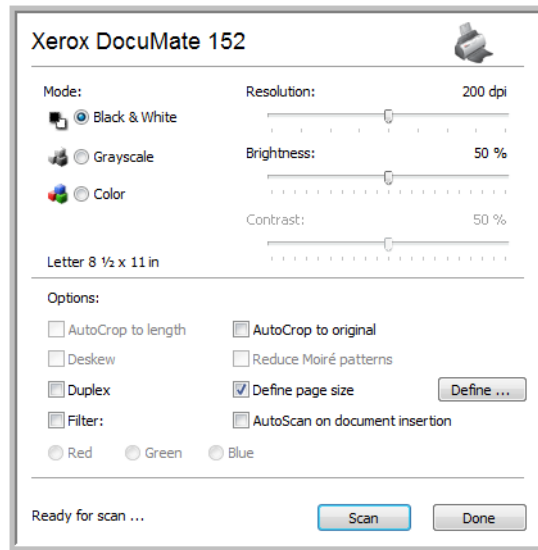
After the Setup Wizard checks the connections, the next window is displayed. It has a series of setup options, but only the Basic scan test is necessary because your scanner was already tested and calibrated when you installed the One Touch 4.0 software

6. If other tests are checked, click in their boxes to uncheck them.



7. Click **Next**.

The TWAIN Interface opens.



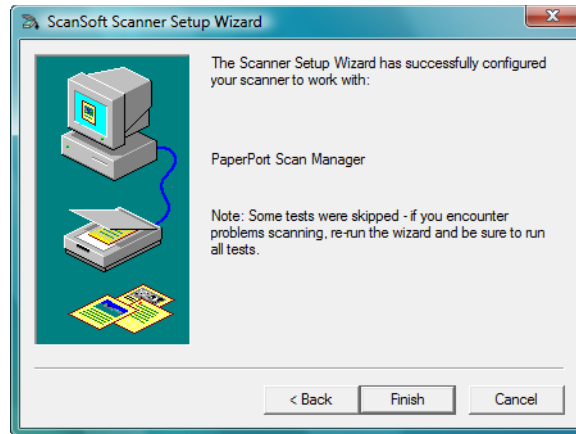
**NOTE:** If you are setting up PaperPort for the WIA scanning option, the WIA interface opens instead.

8. Insert a page into the scanner, face-down, and the **Scan** button on the TWAIN Interface will become active.

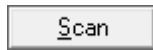


9. Click the **Scan** button on the TWAIN interface.  
The Setup Wizard runs the scan test.  
A message window opens that says “Basic scan test passed.”
10. Click **Next** on the message window.

11. The final Setup window opens to let you know the setup process is finished.



12. Click **Finish**.



PaperPort is now set up for your scanner and the scanning option you selected (in the example above, it's the TWAIN option). The **Scan** button on the PaperPort window will now become active.

# Scanning with the WIA Interface

Microsoft Windows XP and Windows Vista include their own scanning interface—known as Windows Image Acquisition (WIA)—for acquiring images from scanners, digital cameras, and other digital devices.

This section shows how to use Microsoft Paint to scan using the WIA interface, but you can use PaperPort and other Windows applications as well.

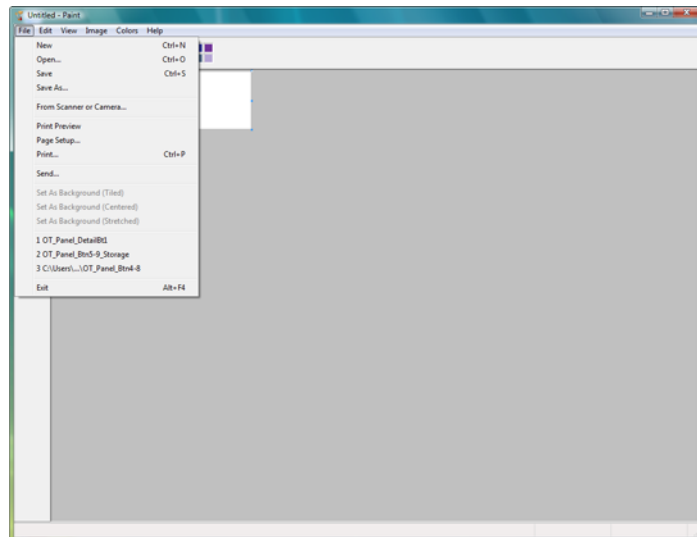
**NOTE:** Duplex (two-sided) scanning is not available from WIA.

## To scan using WIA from Microsoft Paint:

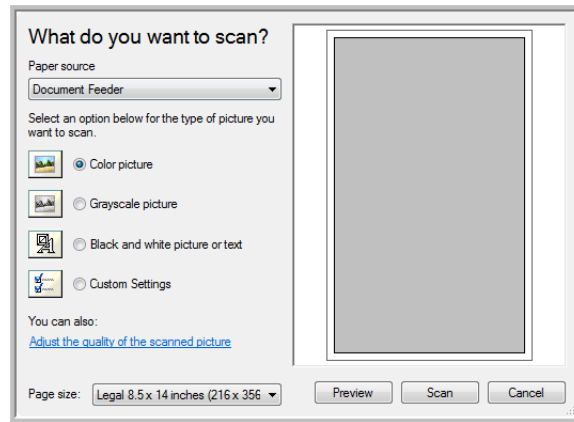
1. On the Windows taskbar, click **Start**, point to **Programs**, point to **Accessories**, and then click **Paint**.

The Paint window opens.

2. From the **File** menu choose **From Scanner or Camera**.



The **Scan using Xerox DocuMate 152** window opens. Use this window to select scanning options and start the scan process.



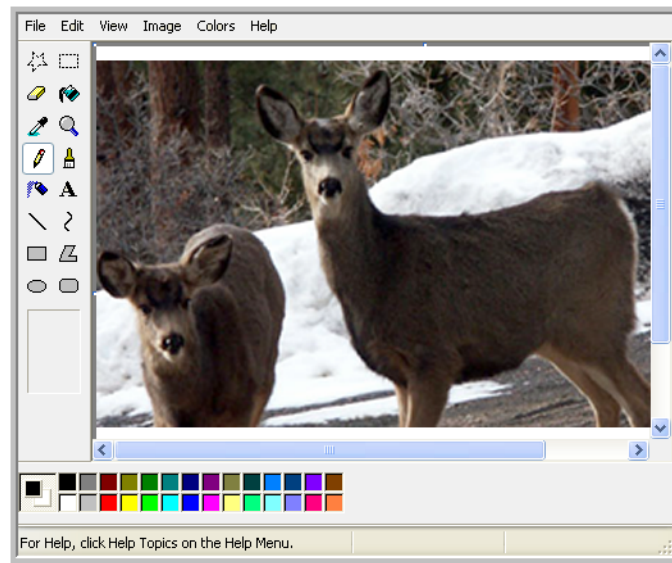
3. Click the button most appropriate for the item you're scanning.
4. Select a paper size from the Page Size list.
5. Click **Preview** to preview the image before scanning.

The image is displayed on the right side of the window.

**NOTE:** If you preview when scanning a stack of documents, the first page of the stack feeds through the ADF for the preview. After adjusting the scanner settings, replace that page on the stack so it is scanned with the rest of the pages.

6. Adjust settings of the previewed image as desired:
  - Change the button selection for the type of image.
  - Adjust the custom settings; refer to the next section, "Fine Tuning Your Scans".
  - Change the size of the scanned image. To do this, click and hold the mouse pointer over one of the four sizing-boxes on the corners of the previewed image. Then drag the box to increase or decrease the size of the image.
7. Preview the image again. When you are satisfied with the image, click the **Scan** button.

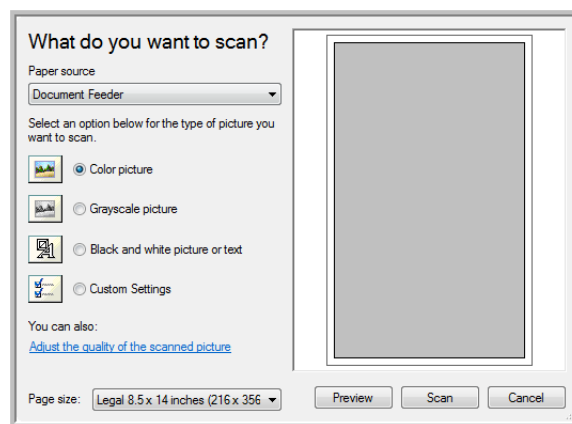
- The scanned images will appear in Microsoft Paint (or other WIA application you're using).



## Fine Tuning Your Scans

You can select new settings before you scan an item to fine tune exactly how you want to scan it.

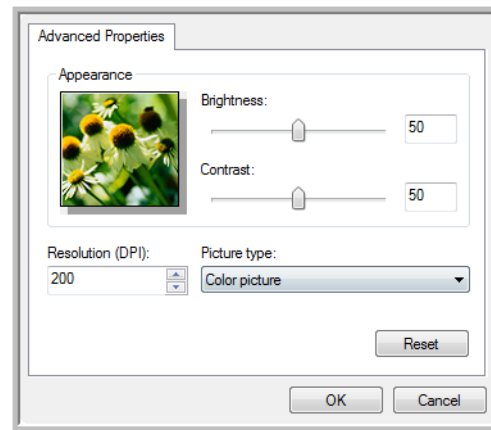
**To select the scanner settings before you scan:**





1. On the scan window, click **Adjust the quality of the scanned picture**.

The Advanced Properties dialog box opens.



2. Select the options for scanning.

**Brightness and Contrast**—Drag the sliders to the right or left to adjust the brightness and contrast of the scanned image. The Contrast setting does not apply to the setting **Black and White picture or text**.

**Resolution (DPI)**—Click the menu arrow and choose the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images.

**Picture type**—Click the menu arrow and choose the most appropriate type for the item you're scanning.

3. Click **OK**.

The Custom Settings button is now set to scan with the options you selected.

If you want to reset the settings and start over, click **Reset**.

# Maintenance

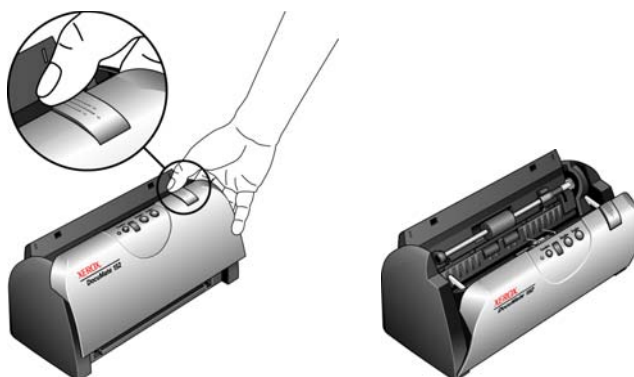
This section contains information about maintenance, troubleshooting, uninstalling, scanner specifications, and spare parts.

## Clearing Paper Jams

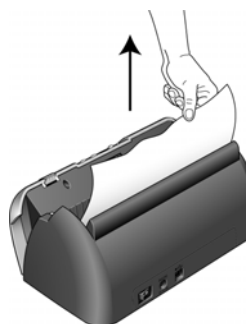
If your scanner stops scanning due to a paper jam in the Automatic Document Feeder, a warning opens after a few moments.

### To clear a paper jam:

1. Press the ADF cover release on the top-right of the scanner body to open the Automatic Document Feeder cover.



2. Remove the jammed paper and close the cover.



To reduce the number of paper jams, smooth and straighten the paper before scanning, adjust the guides to the paper size, and insert the paper evenly into the ADF

## Cleaning the Automatic Document Feeder

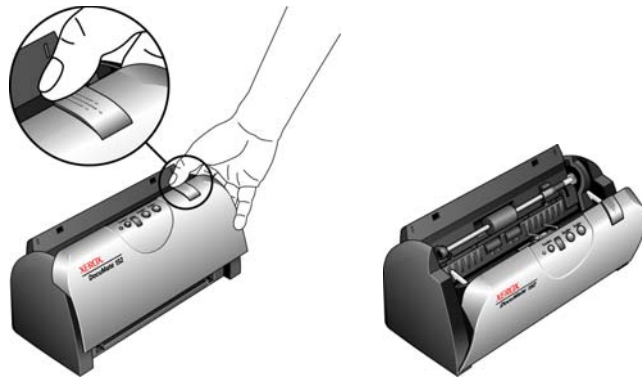
---

You may need to clean the ADF feed mechanism if your documents do not feed easily into the ADF, or several feed in at the same time.

### To clean the ADF:

---

1. Wet a soft cloth with some Isopropyl rubbing alcohol (95%).
2. Press the ADF cover release on the top right of the scanner body to open the Automatic Document Feeder cover.



3. Wipe the feed roller from side to side. Rotate the roller to clean its entire surface.

**NOTE:** Please be careful when cleaning the roller. The roller is designed to rotate in one direction only. As you're cleaning the roller, make sure it rotates easily, and continue rotating it in that direction while wiping it clean. Do NOT force the roller to rotate in the opposite direction. Forcing the roller to rotate will damage it, and may cause the scanner to feed pages incorrectly.

4. Wipe the ADF pad from top to bottom. Be careful not to snag the cloth on the springs on either side of the pad.
5. Close the cover when you're finished.

## Replacing the ADF Pad Assembly

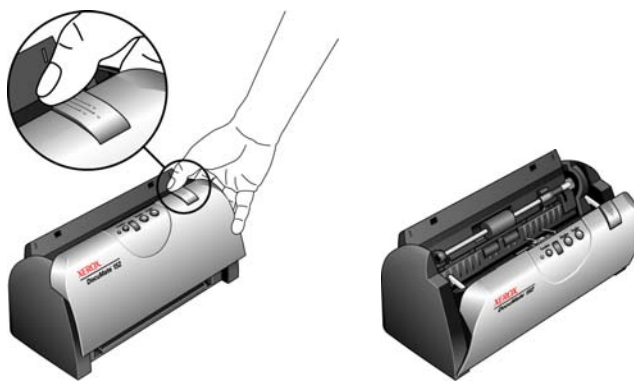
The ADF pad will wear out and is designed to be a user-replaceable part. Problems with documents feeding into the ADF is an indication that the pad is wearing thin.



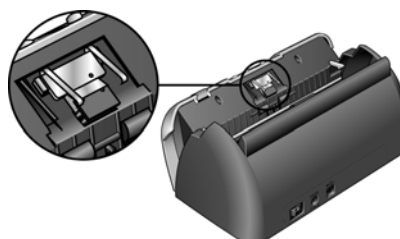
You received a replacement pad in the original scanner box, and you can also order a new one. See the “Xerox DocuMate 152 Scanner Parts List” on page 115 for ordering information.

### To replace the ADF Pad assembly:

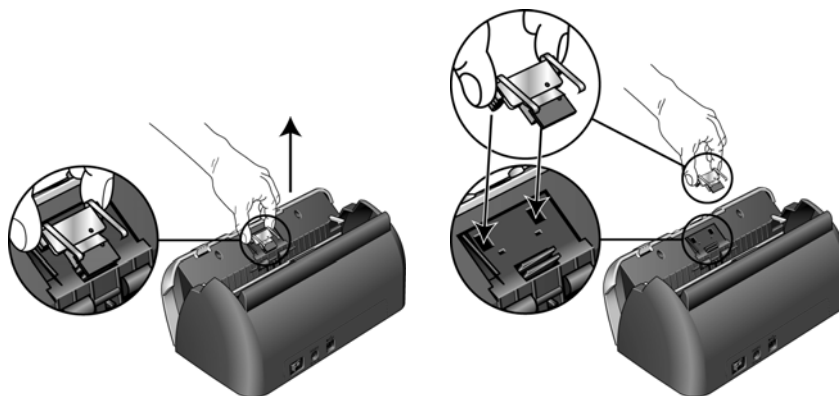
1. Press the ADF cover release on the top left of the scanner body to open the Automatic Document Feeder cover.



2. The ADF pad is located behind the scanner buttons.



3. Squeeze the plastic clamps that hold the pad assembly in place and lift it up and out. Reverse the procedure to replace the pad.



4. Close the cover when you're finished.

## Replacing the Roller Assembly

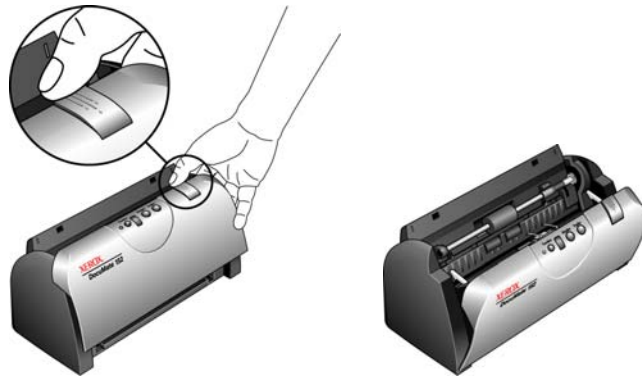


After extended use, the roller may wear out and may need to be replaced. It is a user-replaceable part and can be ordered. See “Xerox DocuMate 152 Scanner Parts List” on page 115 for the part number.

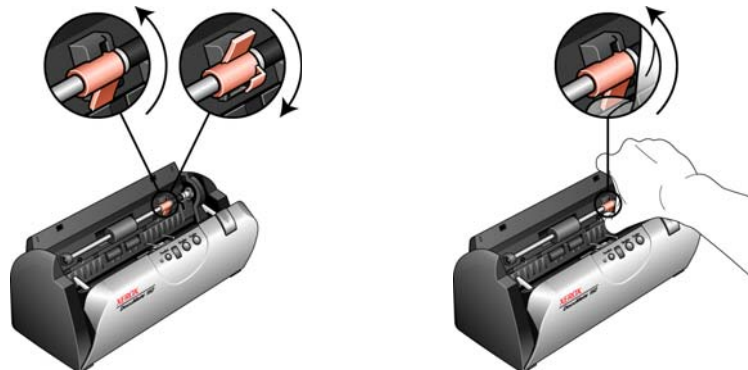
Frequent paper jams are a symptom of a worn roller assembly. A worn roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. In both cases, paper jams may occur. A worn roller should be replaced to avoid damage to the scanner’s internal parts. However, before replacing the roller you should clean it first as excessive dust on the roller will make it appear worn and smooth to the touch. You cannot properly diagnose a worn roller until you have cleaned it.

### To replace the roller assembly:

1. Press the ADF cover release on the top left of the scanner body to open the Automatic Document Feeder cover.



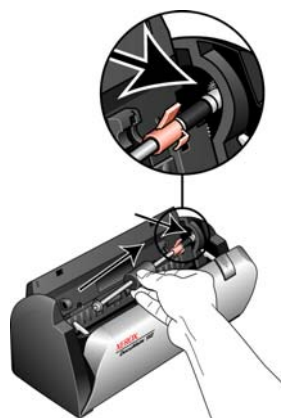
2. The roller is held in place with a lock tab that rotates to lock and unlock it. To unlock the tab, rotate it upward until the small lock flange is completely free.



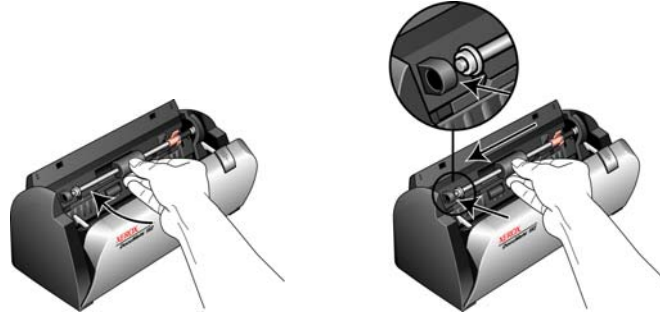
- When the roller is unlocked, it can be removed from its mounting sockets. Gently press the roller to the right to free its left side. Then angle the roller to the front of the scanner until it is clear of the housing, and bring it out and away from the scanner body.



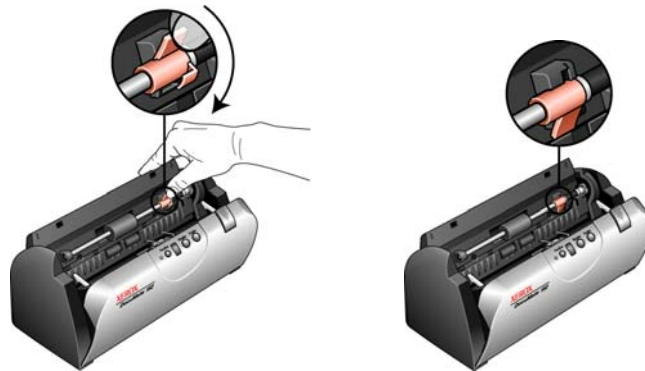
- Discard the worn roller. It cannot be repaired.
- Before installing the new roller, clean any dust that may have gotten on it during shipping.
- To install the new roller, insert the right end of the roller into its housing socket. Make sure the lock tab is facing up and the lock flange is not obstructed. If the gears on the end of the roller do not engage easily, slightly rotate the roller while gently pressing it into the housing until you feel them engage. Do not force the gears to engage.



7. When you are certain that the gears are engaged, swing the roller into its scanner and align the left side with its mount. Then gently slide the roller to the left to fit its left end into its mount. Make sure the left end of the roller is firmly seated into its mount.



8. Rotate the lock tab down so the locking flange catches on its latch. Do not force the lock tab into place. If it does not rotate freely to lock into place, make sure the flange is properly seating on its latch.



9. Close the cover when you're finished.

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## Troubleshooting

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In addition to the troubleshooting information contained in this section, please see the Readme file on your installation CD. The Readme file contains additional information that may help you diagnose problems with the scanner.

If you try the troubleshooting procedures described in this section and in the Readme file, and the scanner still has problems, you may have a malfunctioning scanner. Refer to the technical support card that you received with your scanner for contact information. Also visit our web site at [www.xeroxscanners.com](http://www.xeroxscanners.com) for additional technical information.

### **Problem: The scanner won't scan. What's wrong?**

---

Check for one of these possible problems:

- **Are the cables loose or not plugged in securely?** Inspect the cable connections. Make sure the cables are plugged in securely.
- **Is the scanner's status light on?** Turn on the scanner's power. If the status light doesn't come on, plug the power supply into another electrical outlet.
- **Did you restart the computer after installing the software?** If you didn't restart the computer, it may not have loaded all of the software files. Try restarting your computer.
- **Did you plug the scanner into a USB hub?** If you're using a USB hub to connect the scanner, the hub must have its own power supply. If the hub does not have its own power supply, plug the scanner into a USB port on the computer.
- **Did you select another TWAIN source for acquiring images?** If you use multiple TWAIN devices with your computer, you may have selected another source for images. Start the PaperPort software and click the **Scan** icon, then make sure **Xerox DocuMate 152** is selected as the scanner.



### **Problem: During installation I got the error message: PaperPort Installation is not complete. What do I do?**

---

The installation procedure was not successful. You need to reinstall the PaperPort software.

### **Problem: With AutoCrop to Original selected, sometimes I get blank pages, or pages with lines. What's wrong?**

---

The pages were probably scanned in crooked, or skewed. To use AutoCrop to Original, the pages must be scanned in straight. Adjust the paper guides on the scanner so pages feed in straight.

### **Problem: I got the error message: PaperPort cannot allocate enough memory to perform internal critical operations. What do I do?**

---

Close any other active applications so that additional memory is available. If you click Continue, PaperPort moves the file to the PaperPort data directory and renames the file with the prefix "bad". This allows you to recover the file later.

To recover the file, you can import it into PaperPort by using the Import command in the File menu.

### **Problem: How do I uninstall PaperPort?**

---

See the section "Uninstalling Your Scanner" on page 112. Uninstalling does not delete your scanned items, and they remain in the PaperPort Data folder.

### **Problem: The installation will not complete successfully. If installation finishes, the scanner's One Touch 4.0 options do not seem to work properly. What do I do?**

---

A likely cause is that some driver programs are already installed on your computer for another scanner. They are interfering with the installation and One Touch options, and you need to remove those other drivers and re-install your Xerox DocuMate 152 scanner. Please see the documentation that you received with the other scanner for the steps to remove its driver programs. You can also use the basic steps in the section "Uninstalling Your Scanner" on page 112, but instead of uninstalling One Touch 4.0, uninstall the other scanner's driver programs. After uninstalling the other scanner's driver programs, uninstall One Touch 4.0 using the steps on page 112, then reinstall it using the steps on page 11.

**Problem: The paper jams the ADF. How can I keep the paper from jamming so often?**

---

To reduce the number of paper jams, smooth and straighten the paper before scanning, and adjust the guides to the paper size. Paper fed into the ADF at an angle can cause the feed mechanism to jam. If paper jams are occurring more frequently, try cleaning the roller with a soft cloth dampened with Isopropyl rubbing alcohol. Excessive dust on the roller can make it appear worn and will cause issues feeding paper. See “Cleaning the Automatic Document Feeder” on page 102 for cleaning instructions.

**Problem: The ADF won't feed pages properly. How can I fix it?**

---

A dirty or worn ADF pad assembly or dirt on the roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. Try cleaning the roller first. See “Cleaning the Automatic Document Feeder” on page 102. If that doesn't solve the problem, the pad assembly may need to be replaced. It is user-replaceable. See “Xerox DocuMate 152 Scanner Parts List” on page 115 for the ordering number. See “Replacing the ADF Pad Assembly” on page 103 for the steps to replace the pad.

**Problem: The motor runs but doesn't feed the paper. How can I fix it?**

---

Make sure the paper is securely seated in the ADF so the paper rests on the rollers. The paper sensor that initiates the rollers to grab the paper may be engaged, but the paper may not be fully in the ADF tray so the rollers cannot grab a page to feed it through.

**Problem: If the USB cable is disconnected during a scan, the scanner does not reconnect when the USB cable is plugged back in.**

---

Unplug the power cable from the scanner, and then plug it back in.

If the scanner does not reconnect:

1. Unplug the power cable from the scanner.
2. Restart your computer.
3. After the restart is complete, plug the power cable back in.

## Status Light Troubleshooting Codes

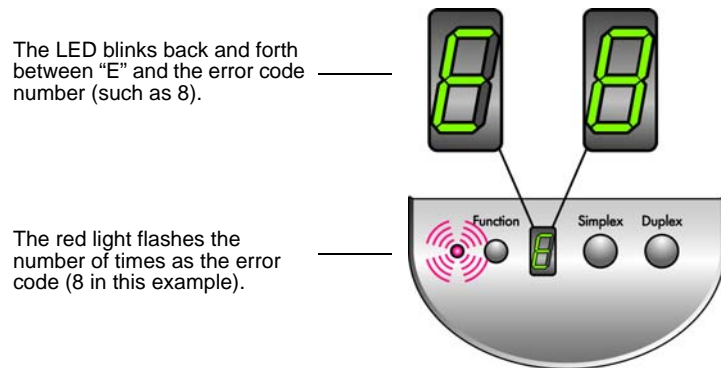
The status light indicates the current state of the scanner. A green status light indicates the normal state of the scanner. A red status light indicates that there is a hardware issue. Descriptions of the most common patterns are listed below.

### Normal Operation

- **Blinking green:** indicates the scanner is waking up from power saving and preparing to scan.
- **Steady green:** indicates the scanner is ready to scan.

### Error Codes

If your scanner experiences hardware problems, the status light will blink red, and the LED flashes an “E” and then the error code number.



The E-code number indicates what the hardware issue is. Use the table listed on the next page as a reference for resolving hardware issues.

In all cases you should turn off your scanner and check your scanner setup. Open the scanner and make sure your input tray is fully seated in the scanner casing, make sure your ADF pad is securely snapped in place, verify the connections to the PC and wall.

---

<b>Error Code</b>	<b>Problem Description</b>	<b>Solution</b>
0	The scanner is not communicating with the computer.	Make sure the USB cable is plugged in. If the USB cable is plugged into a hub or keyboard, try plugging it directly into the back of the computer. Try a different USB port on the computer or a different USB cable.
4 or 5	The scanner lamp is either turned off or the lamp has not warmed up enough to initiate scanning.	In the One Touch hardware properties turn the scanner lamp on. See page 82 for instructions. If the lamp is already on, turn the lamp off then on again. If the problem persists and your scanner's power is plugged into a surge protector or UPS battery backup, try plugging the scanner power directly into a wall outlet.
6	The scanner is open.	Make sure the scanner lid is fully closed after performing maintenance on the scanner or removing a jammed page.
7 or 8	The paper input tray is not fully seated into the scanner casing.	Open the scanner and take off the input tray. Place the input tray back into the scanner and press it back until it snaps into place. See page 5 for instructions to install the tray.
9	Paper jam	Open the ADF cover and remove the jammed page. See "Clearing Paper Jams" on page 101 for details.
All Other Codes	An internal part in the scanner may have malfunctioned.	Re-boot your computer. If the problem persists, contact Xerox Technical Support.

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## Uninstalling Your Scanner

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To uninstall your DocuMate 152 scanner, remove the One Touch 4.0 software, PaperPort, and any other software provided with your scanner.

### Uninstalling the Scanner and One Touch Software

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1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. *Windows 2000 and Windows XP:* Double-click the **Add or Remove Programs** icon.  
*Windows Vista:* Double-click the **Programs and Features** icon.
3. From the list of programs, select **One Touch 4.0**. Click the **Change/Remove** button.
4. Click **Yes** when asked to confirm that you want to remove these software programs.
5. Follow these same steps to select and remove the **Kofax VirtualReScan 4.10** and **One Touch 4.0 ScanSoft OmniPage OCR** modules from the installed programs list.  
The One Touch 4.0 software and modules removed from your computer.
6. **Unplug the USB cable from the scanner.**
7. Close all open windows and restart your computer.

### Uninstalling the PaperPort and OmniPage Software

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1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. *Windows 2000 and Windows XP:* Double-click the **Add or Remove Programs** icon.  
*Windows Vista:* Double-click the **Programs and Features** icon.
3. Select **PaperPort** or **OmniPage** and click **Remove**.
4. A message window opens, asking if you are sure you want to remove PaperPort from your computer. Click **Yes**.
5. Close all open windows and restart your computer.

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## To Install Another Driver

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Before you can install another driver for your scanner, you must remove the currently installed driver first. Then the new driver can be installed.

1. Uninstall the One Touch 4.0 driver.
  - a. Open the Windows Control Panel.
  - b. *Windows 2000* and *Windows XP*: Double-click the **Add or Remove Programs** icon.  
*Windows Vista*: Double-click the **Programs and Features** icon.
  - c. Select One Touch 4.0 then click on the **Remove** button.
  - d. An “Add or Remove” message box opens and asks if you are sure you want to remove One Touch 4.0 from your computer. Click **Yes**.

The One Touch 4.0 software is removed from your computer.

2. **Unplug the scanner USB cable.**
3. Reboot (restart) your computer.
4. Follow the instructions in “Step 2: Install the Software” on page 7 of this User Guide and follow steps for installing one of the other driver options.

**NOTE:** The One Touch 4.0 driver is required for the scanner’s buttons to function. If you select a driver without One Touch 4.0, the scanner buttons will not initiate scanning.








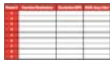
## Xerox DocuMate 152 Scanner Specifications

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<b>Optical resolution</b>	600 x 1200 dpi
<b>Bit depth</b>	48-bit color (internal), 16-bit grayscale (internal)
<b>Maximum item size</b>	8.5" x 14"
<b>Minimum item size</b>	2.5" x 2" (automatic document feeder)
<b>Scan method</b>	Automatic document feeder (ADF)
<b>ADF specifications</b>	
Scanning Speed	Up to 15 pages per minute. Up to 30 images per minute @ 200 dpi B&W
Capacity	50 sheets
Paper Thickness	16 - 28 lbs. (0.002" - 0.006")
<b>Light source</b>	Cold cathode fluorescent lamp
<b>Interface</b>	USB 2.0 High Speed
<b>Scanner dimensions</b>	
Height	5.9 inches (13.8 cm)
Width	13.0 inches (30.5 cm)
Length	6.5 inches (15.2 cm)
<b>Weight</b>	6.4 pounds (2.9 kg)
<b>Operating temperature</b>	50°–104° F (10°–35° C without condensation)
<b>Relative humidity</b>	10%–85% (@35° C without condensation)
<b>Power adaptor</b>	DC Jack, 24Vdc/2.0A (48W), 100-240Vac, Energy Star and RoHS compliant
<b>Power consumption</b>	≤ 48 Watts (during operation, ≤ 12 Watts (on standby)
<b>Power cord</b>	AC, US, 3P, 10A/125V, 180 cm, 3C, 18AWG, RoHS compliant
<b>USB cable</b>	185 cm, 28AWG, with core, RoHS compliant
<b>Safety and agency certifications</b>	UL, C-UL, FCC Class B, CE, TUV/GS, WEEE

## Xerox DocuMate 152 Scanner Parts List

Please use the following part names and numbers when ordering replacements for your scanner.

	<b>Part Name</b>	<b>Part Number</b>
	Input Tray	57-0112-000
	Output Tray	57-0108-000
	ADF Pad	57-0111-000
	Roller Assembly	57-0113-000
	USB Cable	35-0102-000
	AC Power Cord	35-0103-000
	Power Supply	37-0076-000
	Buttons Label	09-0631-000





# Appendix A Notices

## It's Illegal in the USA

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Congress, by statute, has forbidden the reproduction of the following subjects under certain circumstances. Penalties of fine or imprisonment may be imposed on those guilty of making such reproductions.

1. Obligations or Securities of the United States Government, such as:

Certificates of Indebtedness	National Bank Currency
Coupons from Bonds	Federal Reserve Bank Notes
Silver Certificates	Gold Certificates
United States Bonds	Treasury Notes
Federal Reserve Notes	Fractional Notes
Certificates of Deposit	Paper Money

Bonds and Obligations of certain agencies of the government, such as FHA, etc.

Bonds. (U.S. Savings Bonds may be photographed only for publicity purposes in connection with the campaign for the sale of such bonds.)

Internal Revenue Stamps. (If it is necessary to reproduce a legal document on which there is a canceled revenue stamp, this may be done provided the reproduction of the document is performed for lawful purposes.)

Postage Stamps, canceled or uncanceled. (For philatelic purposes, Postage Stamps may be photographed, provided the reproduction is in black and white and is less than 75% or more than 150% of the linear dimensions of the original.)

Postal Money Orders.

Bills, Checks, or Drafts of money drawn by or upon authorized officers of the United States.

Stamps and other representatives of value, of whatever denomination, which have been or may be issued under any Act of Congress.

2. Adjusted Compensation Certificates for Veterans of the World Wars.
3. Obligations or Securities of any Foreign Government, Bank, or Corporation.

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4. Copyrighted material, unless permission of the copyright owner has been obtained or the reproduction falls within the “fair use” or library reproduction rights provisions of the copyright law. Further information of these provisions may be obtained from the Copyright Office, Library of Congress, Washington, D.C. 20559. Ask for Circular R21.
  5. Certificates of Citizenship or Naturalization. (Foreign Naturalization Certificates may be photographed.)
  6. Passports. (Foreign Passports may be photographed.)
  7. Immigration Papers.
  8. Draft Registration Cards.
  9. Selective Service Induction Papers that bear any of the following Registrant’s information:

Earnings or Income	Dependency Status
Court Record	Previous military service
Physical or mental condition	

Exception: U. S. Army and Navy discharge certificates may be photographed.
  10. Badges, Identification Cards, Passes, or Insignia carried by military personnel, or by members of the various Federal Departments, such as FBI, Treasury, etc. (unless photograph is ordered by the head of such department or bureau.)

Reproducing the following is also prohibited in certain states:  
Automobile Licenses — Drivers’ Licenses — Automobile  
Certificates of Title.

The above list is not all inclusive, and no liability is assumed for its completeness or accuracy. In case of doubt, consult your attorney.

## It’s Illegal in Canada

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Parliament, by statute, has forbidden the reproduction of the following subjects under certain circumstances. Penalties of fines or imprisonment may be imposed on those guilty of making such copies.

1. Current bank notes or current paper money.
2. Obligations or securities of a government or bank.
3. Exchequer bill paper or revenue paper.
4. The public seal of Canada or of a province, or the seal of a public body or authority in Canada, or of a court of law.

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5. Proclamations, orders, regulations or appointments, or notices thereof (with intent to falsely cause same to purport to have been printed by the Queen's Printer for Canada, or the equivalent printer for a province).
  6. Marks, brands, seals, wrappers or designs used by or on behalf of the Government of Canada or of a province, the government of a state other than Canada or a department, board, Commission or agency established by the Government of Canada or of a province or of a government of a state other than Canada.
  7. Impressed or adhesive stamps used for the purpose of revenue by the Government of Canada or of a province or by the government of a state other than Canada.
  8. Documents, registers or records kept by public officials charged with the duty of making or issuing certified copies thereof, where the reproduction falsely purports to be a certified copy thereof.
  9. Copyrighted material or trademarks of any manner or kind without the consent of the copyright or trademark owner.

The above list is provided for your convenience and assistance, but it is not all inclusive, and no liability is assumed for its completeness or accuracy. In case of doubt, consult your solicitor.

## **Federal Communications Commission (FCC) for USA**

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This equipment has been tested and found to comply with the limits for the class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against 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 and 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.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must

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be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this 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.

## Energy Star for the USA

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As an ENERGY STAR partner, Xerox Corporation has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

ENERGY STAR® is a US registered trademark.

The ENERGY STAR program is a team effort between the Environmental Protection Agency and the office equipment industry to promote energy-efficient personal computers, monitors, printers, digital presses, fax machines and copiers. Reducing the energy consumption of this equipment will help combat smog, acid rain and long-term changes to the climate by decreasing the emissions that result from generating electricity.

## RoHS and WEEE Compliance

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This product is compliant with RoHS Regulations of the European Parliament and Council Directive on the Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (2002/95/EC), and with the Waste Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC).

## Product recycling and disposal for USA

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Xerox operates a worldwide equipment takeback and reuse/recycle program. Contact your Xerox sales representative (1-800-ASK-XEROX) to determine whether this Xerox product is part of the program.

If your product is not part of the Xerox program and you are managing its disposal, please note that the product may contain lead and other materials whose disposal may be regulated due to environmental considerations. For recycling and disposal information, contact your local authorities.

# Index

## A

---

ADF  
    cleaning **102**  
ADF pad assembly  
    replace **103**  
Advanced Properties **100**  
Apply button **33**  
Archive button **74**  
aspect ratio **57**  
Autocrop to Original **55, 87**  
AutoRotate image **57**

## B

---

bit depth **114**  
Black&White **53, 87**  
BMP **44**  
Brightness **54, 87, 100**  
Burn to CD **41, 68**  
    Destination Application **68**  
button options **50**  
button settings **34**

## C

---

CD-ROM drive **3**  
Color **54, 87**  
color configuration **87**  
Color Document **34**  
color filter **56, 88**  
Comma Delimited **47**  
components **2**  
computer specifications **3**  
Configure Before Scan **61**  
Contrast **54, 87, 100**  
create single page items check box **85**  
csv file format **47**

## D

---

Destination Application **22, 23, 31**  
    OCR **34**  
    text file format **46**  
Destination Selector **24**  
Device Settings **53, 57**  
Document Format **31**  
Document Management **50**  
documentation **3**

dpi **100**  
Duplex **55**  
duplex button **2, 22, 23, 24**

## E

---

eMail **51**  
eMail Properties **42**  
error codes **110**  
Excel Spreadsheet **47**

## F

---

Fax and Print **51**  
file format **47**  
file storage location **74**  
Format and Page(s) **35**  
full feature install **11**

## G

---

gamma **56**  
grayed out options **31**  
GrayScale **54, 87**

## H

---

help **3, 83**  
htm file format **47**  
HTML Document **47**  
HTML page **73**  
HTML Web Page **72**  
hue **56**

## I

---

Image Documents Properties **40**  
Image Editors **50**  
image file format **44**  
improvements and settings **54**  
installation **4**  
invert image **55**

## J

---

JPG **44**  
JPG file size **45**

## L

---

Lamp timeout setting **82**  
LED number **22, 23**  
Link Properties **36**

## M

---

Microsoft Internet Explorer **73**  
Microsoft Outlook **42**  
Moire Patterns **55, 88**  
monitor **3**

## N

---

Normal PDF **47, 66**  
nPDF **45, 47, 66**

## O

---

OCR **46**  
    optical character recognition **64**  
    storage **80**  
OCR button **65**  
OmniPage Pro **47**  
on/off switch **15**  
One Touch Button Panel **25, 26, 74**  
    Button View **27**  
    Detail View **28**  
    Hardware View **28**  
    initial settings **30**  
    names **29, 49**  
    OCR **65**  
One Touch icon **26, 27, 31**  
One Touch Properties window **25, 31, 36**  
    options **50, 53**

## P

---

Page Format  
    HTML **72**  
page format options **44**  
page size **88**  
paper guide **6**  
paper jam **101, 104**  
PaperPort **83**  
    help topics **83**  
    Scan pane **84**  
PaperPort Properties **37**  
parts **1**  
PDF **45, 51**  
PDF file size **45**  
Picture type **100**  
power saving **82**  
Preview button **98**

Properties button **33**

## R

---

Resolution **54, 87, 100**  
Rich Text Format **47**  
roller replacement **104**  
rtf file format **47**

## S

---

saturation **56**  
scan  
    from PaperPort **83**  
Scan Configuration **31**  
scan with event forwarding **70**  
scanner  
    components **2**  
    connecting **13**  
    troubleshooting **107**  
Searchable PDF **47, 66**  
Select Configuration **32, 34**  
Select Destination **32, 34, 50**  
Select Format and Page(s) **33**  
setup **4**  
Show All Destinations **50**  
Show Hardware **81**  
Simple Text **47**  
simplex button **2, 22, 23, 24**  
skewed page **55, 87**  
skip blank originals **56**  
sPDF **45, 47, 66**  
spreadsheet  
    OCR **65**  
status light **15, 16, 107**  
    troubleshooting codes **110**  
Sti event forwarding **51**  
Storage and CD-R/W **51**  
Storage Properties **41**  
Straighten Image **55**  
system requirements **3**

## T

---

Text Documents Properties **38**  
Text Editors **51**  
text file format **46**  
Text Formats **46**  
TIFF **44**  
Transfer to Storage **74**  
troubleshooting **107**  
TWAIN **61, 71**  
TWAIN standard **83**

## U

---

uninstall **112**  
USB port **14**

## W

---

watermark, remove **56, 88**  
WIA **61, 97**  
Windows Image Acquisition **97**  
Word Document **47**

## X

---

xls file format **47**





