Visioneer®
Patriot 470 Scanner
Strobe XP 470 Scanner
User's Guide

visioneer

for Windows

Visioneer
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Strobe XP 470 Scanner
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FOR WINDOWS

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WELCOME

Congratulations on purchasing your Visioneer Patriot 470 (Strobe XP 470) scanner. With your scanner you can quickly scan single-sided or double-sided stacks of color or black-and-white documents and place their images on your computer.

WHAT'S IN THE BOX

Before starting the assembly and installation, 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.
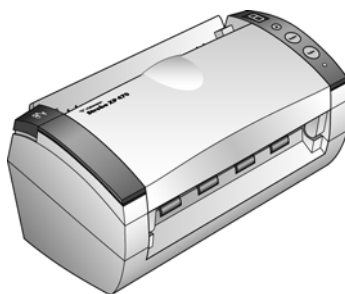
Visioneer Patriot 470
(Strobe XP 470) Scanner

Paper Guide

Output Tray

USB Cable

Power Cord

Power Supply
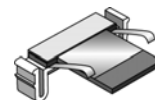
Replacement
ADF Pad

Two CDs
Disc 1 and Disc 2

Buttons Label

Quick Install Guide

Technical Support Card

THE VISIONEER PATRIOT 470 (STROBE XP 470) SCANNER

Paper guide
LED Number
Destination Selector button
Simplex button
Duplex button
Status light
Output tray
ADF cover release
Power switch
Power jack
USB port
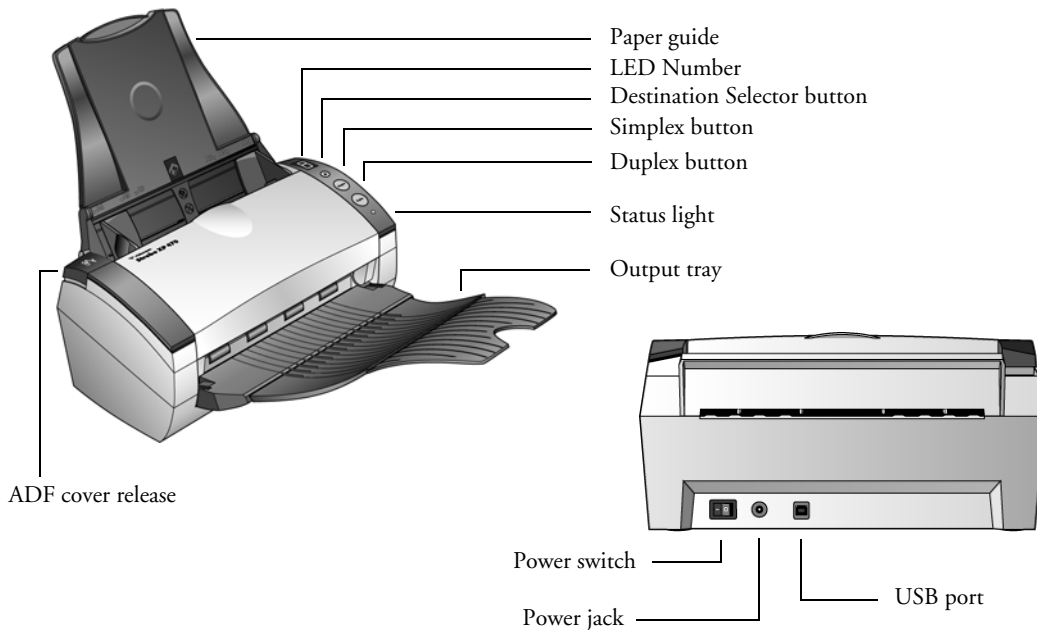
Paper guide—Holds documents in place. Adjusts to fit the page width.

LED Number—Shows the current OneTouch scan setting for the Simplex and Duplex scanning buttons.

Destination Selector button—Selects the scan setting for the Simplex and Duplex buttons. Press to cycle through the nine settings.

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

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

Status light—Shows the scanner's status. See the section, "Status Light Troubleshooting Codes" on page 125 for additional details.

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

ADF cover release—Opens the cover on the ADF.

Power switch—Turns the scanner's power on and off.

Power jack—Connects the power cord to the scanner.

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

WHAT YOU NEED

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

■ A CD-ROM drive

■ An available Universal Serial Bus (USB) port

■ Microsoft Windows operating system: 2000 (Service Pack 4), XP (Service Pack 1 and 2), or Vista

■ *Windows 2000 and XP:* A minimum of 512 megabytes (MB) of internal memory (RAM)

  Windows Vista: A minimum of 1 gigabyte (GB) of internal memory (RAM)

■ 350 MB 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

The following documentation is provided with your scanner:

■ Quick Install Card—Abbreviated installation instructions.

■ Visioneer Patriot 470 (Strobe XP 470) Scanner User's Guide—On the Installation CD; contains detailed installation, scanning, configuration, and maintenance information.

■ PaperPort User's Guide—On the Installation CD; contains detailed feature and configuration information for the PaperPort software.

■ Online Help—For the scanner configuration, TWAIN and WIA interfaces, and PaperPort software application.

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

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. Disregard any information about the software not applicable to your chosen product. Please visit our web site at www.visioneer.com for the latest software updates for your Visioneer Patriot 470 (Strobe XP 470) scanner.**

- **If your computer has AntiVirus or AntiSpyware software running, you may see 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. 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, you need to remove its driver programs first before beginning the installation of your Visioneer Patriot (Strobe XP 470) scanner. Please see "How to Uninstall Your Scanner" on page 127 for basic instructions, or see the User's Guide that you received with your other scanner for specific instructions.**

- **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.**

STEP 1: ASSEMBLE THE SCANNER

To assemble the scanner:

1. Remove all shipping tape from the top and bottom of the scanner.

2. Carefully remove the protective foam from the ADF cover release, then press the release button to open the automatic document feeder cover.

ADF Cover
Release ————
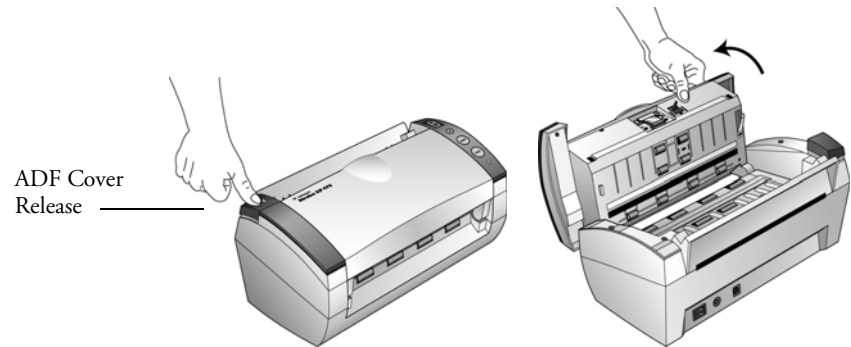
3. Carefully remove any foam particles that may have gotten inside the document feeder, and close the cover.

4. Align the slots on the paper guide with the ridges on the scanner and slide it down until it snaps into place.

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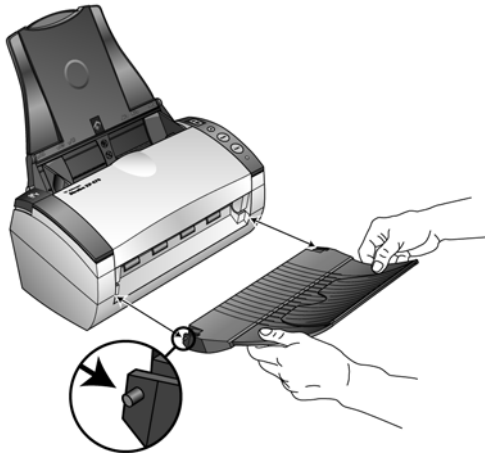
6. Flip open the extension on the output tray so it is fully extended.

7. Proceed to "Step 2: Install the Software."

Step 2: Install the Software

Note: The software is on the two CD's you received with your scanner. Please be sure to install from **Disc 1** first.

To install the software:

1. Start Microsoft Windows and make sure no other applications are running.

2. Insert **Disc 1** into your computer's CD-ROM drive.

The Installation menu automatically opens.

Note: If the CD does not start, check the following:

- Make sure you have inserted **Disc 1**.
- Make sure the CD drive's door is completely shut.
- Make sure the CD was inserted in the drive in the proper direction (label side up).

To launch the CD 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 CD-ROM drive.
- The Installation menu for the CD should now open.

If the menu does not open:

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

3. On the Installation menu, select **Install Products**.
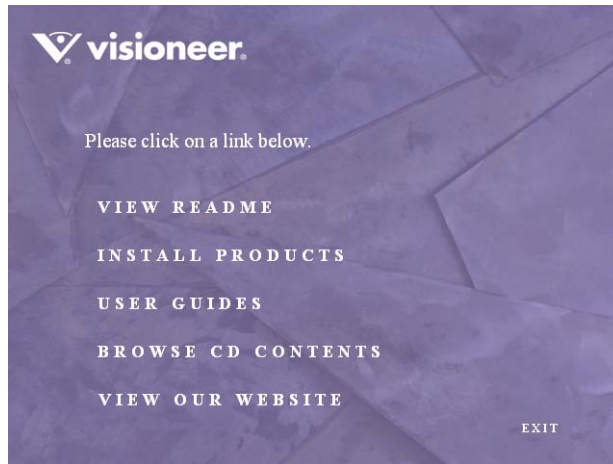
4. Make sure the boxes for **Nuance PaperPort®** and **Scanner Driver** are checked.
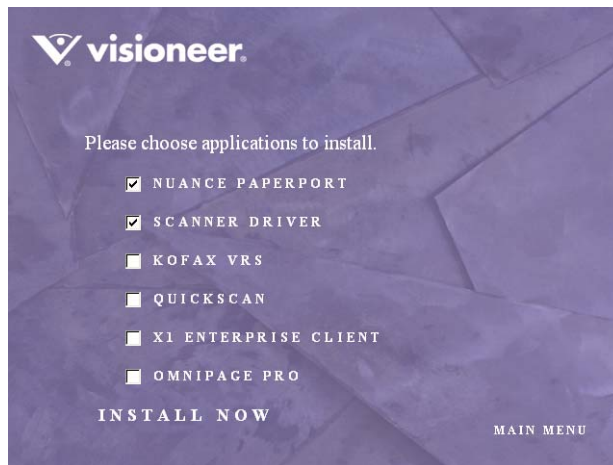
5. Click **Install Now**.

The PaperPort installation begins:

1. The Select Language window opens. Click the drop-down menu arrow and select the language you want 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 OneTouch 4.0 Setup Wizard opens.

2. Click **Next**.

3. On the Visioneer 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.

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

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.

> **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.visioneer.com for the latest updates.

Scanner Software Options

The recommended choice is "Full Install", which includes OneTouch 4.0 software with enhanced scanner button functions and Microsoft's WIA. TWAIN and ISIS support are included in "Full Install" or available as custom choice for advanced users.

- ◉ Full Install (OneTouch, TWAIN, and ISIS)
- ○ TWAIN and ISIS
- ○ TWAIN Only
- ○ ISIS Only

| Cancel | < Back | Next > |
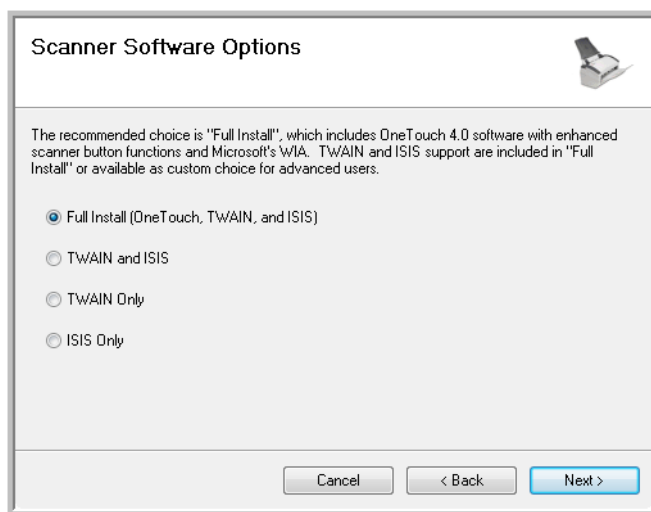
5.   Select the option you want.

- **Full Install (OneTouch, TWAIN and ISIS)**—This is the **recommended** installation. It installs the OneTouch 4.0 software which provides the necessary driver software for the scanner. It also installs scanning interfaces for the TWAIN and ISIS drivers. Installing this option means that you can use several different methods to scan, as explained in this User Guide.

- **TWAIN and ISIS**—The TWAIN and ISIS drivers are installed. The OneTouch 4.0 Monitor will not run and you cannot use the OneTouch options. You can use the Patriot 470 (Strobe XP 470) TWAIN driver to scan from TWAIN applications. You can also scan from applications that use the ISIS driver. You will not be able to use the buttons on the scanner.

- **TWAIN only**—The TWAIN driver is installed without the OneTouch 4.0 software or the ISIS driver. You can use the TWAIN driver to scan from TWAIN applications. You will not be able to use the buttons on the scanner.

- **ISIS only**—The ISIS driver is installed without the OneTouch 4.0 software or the TWAIN driver. You can use applications that use the ISIS driver such as Kofax. You will not be able to scan using 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 instructions on page 128.

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6. Click **Next**.

    During installation you will see this window asking you to select an image for your Color Space setting.
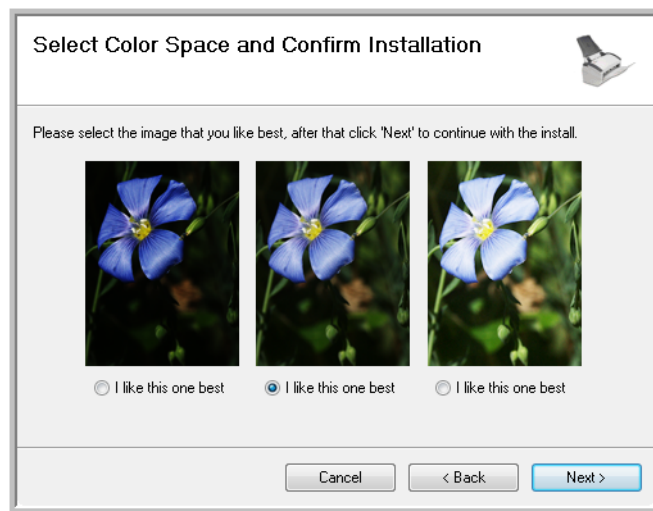
    The Color Space setting sets the gamma value for the scanner so scanned items look good on your monitor. Gamma controls the brightness of the midtones of colors. That setting can be changed later on as you're scanning.

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

    The driver installation will now begin.

8. **STOP** when you see the "Complete the installation by connecting your hardware" window. Do **NOT** click on **OK** yet. Leave the window open and proceed to "Step 3: Connect the Power Supply" on page 14.
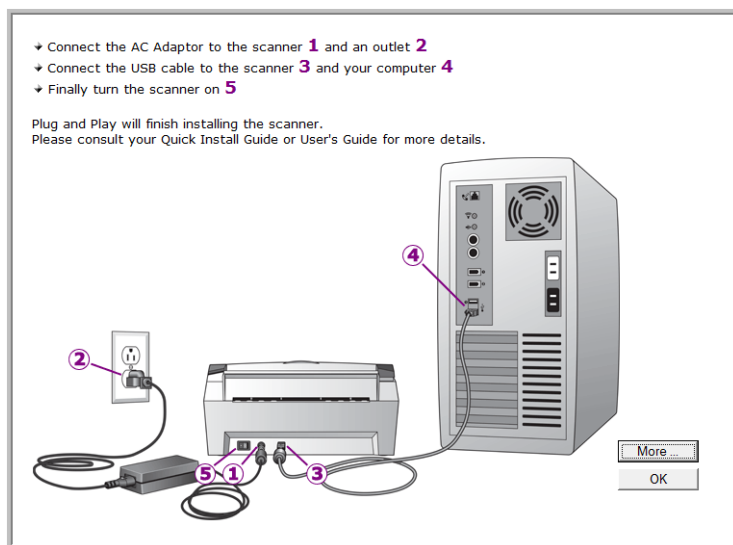
Reminder: If your computer is running AntiVirus or AntiSpyware software, you may see messages asking you to allow installation. Select the option to allow installation to proceed.

Note: If you want to see more information about your scanner and a quick explanation of how to use the OneTouch features, click the **More** button on the window. When you're finished, return to the window above to continue with the installation process.

STEP 3: CONNECT THE POWER SUPPLY

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

To connect your Visioneer Patriot 470 (Strobe XP 470) scanner:

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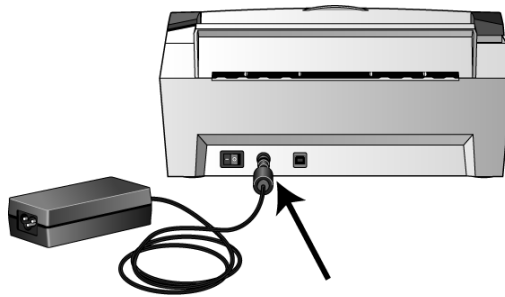
Note: Only use the power supply (HEG42-240200-7L made by HiTron) included with your scanner. Connecting any other type of power supply may damage your scanner, and will void its warranty.

2. Plug the power cord into the power supply and into a wall outlet.
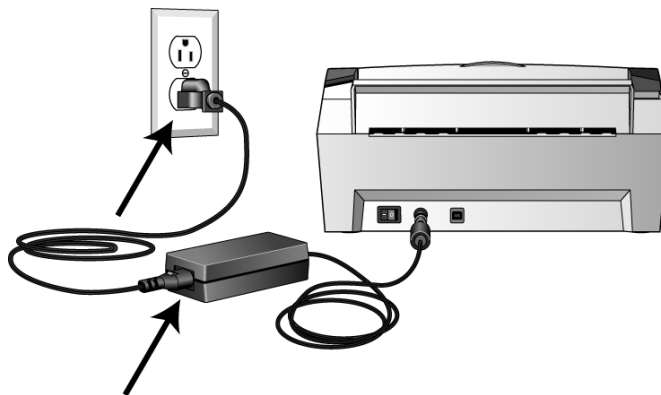
Now proceed to the next section, "Step 4: Connect the USB Cable and Turn on the Power."

STEP 4: CONNECT THE USB CABLE AND TURN ON THE POWER

The Visioneer Patriot 470 (Strobe XP 470) 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. You do not have to shut down your computer.

1. Remove any protective tape from the USB cable.

2. Plug the USB cable into the USB port on the scanner and then into a USB port on the computer.
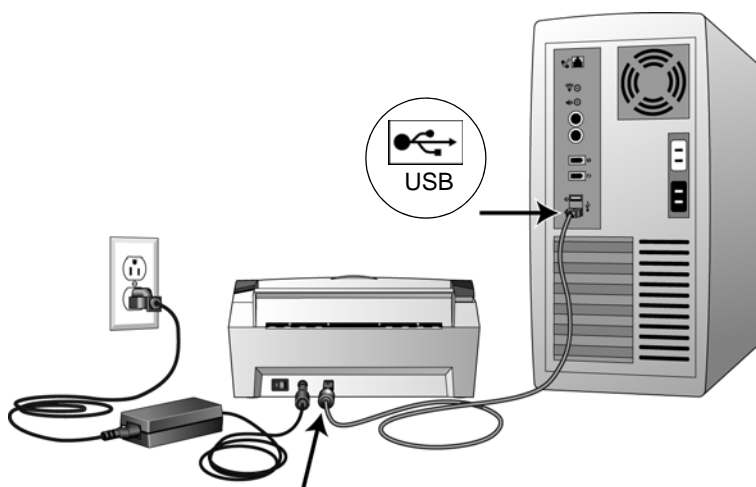
The USB symbol identifies the location of the USB port on your computer. If the plug does not attach easily, make sure that you are plugging it in correctly. Do not force the plug into the connection.

You can also connect the scanner to a USB port on the computer's keyboard if it has one, or to a USB hub. If you use a USB hub, it must have its own power supply already plugged into an electrical outlet.

> **Note**: If you have not installed the scanner driver, unplug the USB cable from the computer and install the software now. When the driver installation is complete, a message tells you when to connect the scanner.

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 33 pages per minute, and 66 images per minute available with a USB 2.0 port.
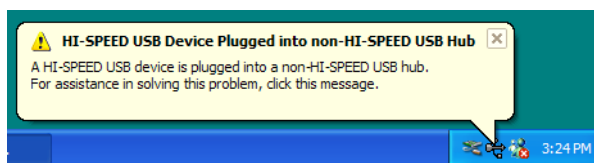
   Your computer then recognizes that a scanner has been plugged into the USB port and automatically loads the appropriate software to run the scanner.

   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 a message similar to the following.
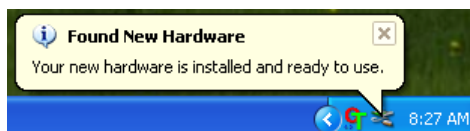
4. When you are certain that the software has completely loaded, return to the "Complete the installation by connecting your hardware" window.
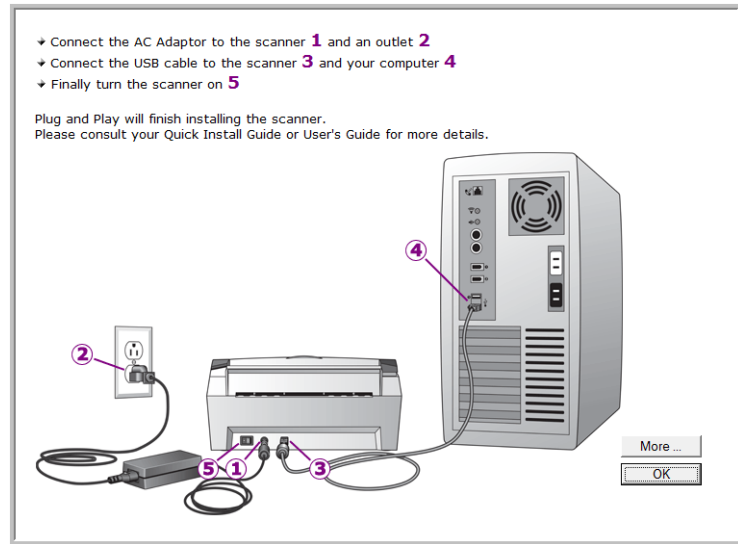
5. Click **OK**.

6. Click **Close** on the Installation Complete window to close and exit the software installer.
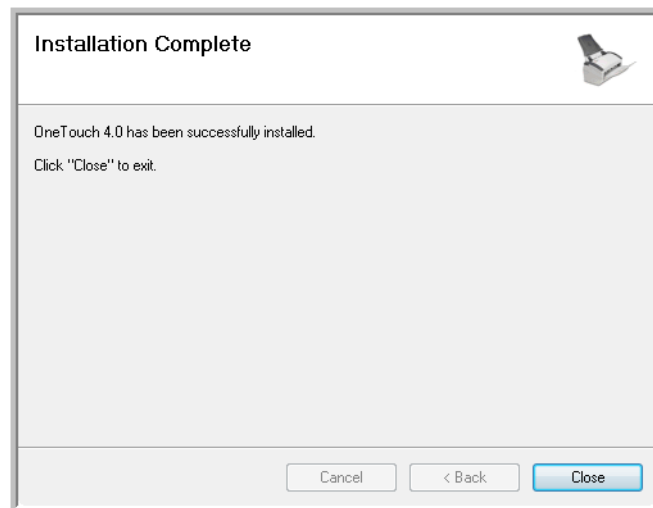
ADDITIONAL APPLICATIONS FOR YOUR SCANNER

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

To install the additional applications:

1. Return to the Installation window and
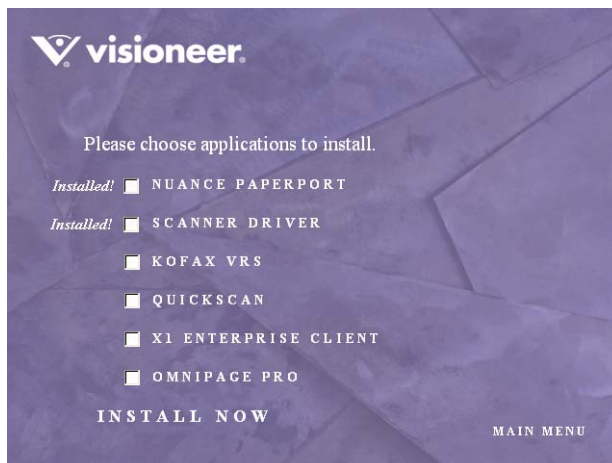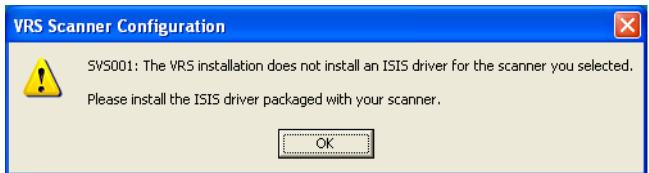
2. Select the additional applications you want to install on your computer.

    See the following table for a description for each of the additional applications provided with your scanner.

3. Click **Install Now.**

4. Follow the instructions on the installation windows for each application you choose to install.

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 CDs are in the PDF file format and require Adobe® Acrobat® Reader® for you to view and save them.

Software	About the Software
Captiva QuickScan™ Demo	A desktop imaging solution for scanning, image enhancement, and OCR. QuickScan is a standalone, out-of-the box imaging solution that provides all the necessary capabilities for high-speed scanning, image enhancement, viewing, annotation, printing and storing images, for both black-and-white and color pages. It uses an ISIS-certified driver for scanning and includes flexible job separation and barcode recognition. The Demo version lets you try the application first.
Kofax® VRS® and Kofax® Scan Demo	Kofax VRS automatically enhances scanned documents from less than perfect originals. It is an additional scanning option that uses patented VRS (Virtual ReScan) technology, and ensures your scanning is as efficient and easy, while also improving the quality of the scanning images. Kofax VRS uses an ISIS-certified driver for scanning. The Scan Demo version lets you try the software first.
	If you install the Kofax VRS software, you may see the following message.
	VRS Scanner Configuration — SVS001: The VRS installation does not install an ISIS driver for the scanner you selected. Please install the ISIS driver packaged with your scanner. [OK]
	Please disregard this message and click OK. The Kofax VRS Certified ISIS® driver is installed correctly when you install your scanner.
Nuance OmniPage®	OmniPage Pro provides precision OCR analysis, advanced layout detection, and Logical Form Recognition™ (LFR) technology. Quickly turn office documents and forms into editable documents compatible with over 30 different PC applications. 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.

If you selected OmniPage Pro for installation, a window tells you to insert the second CD to install it.
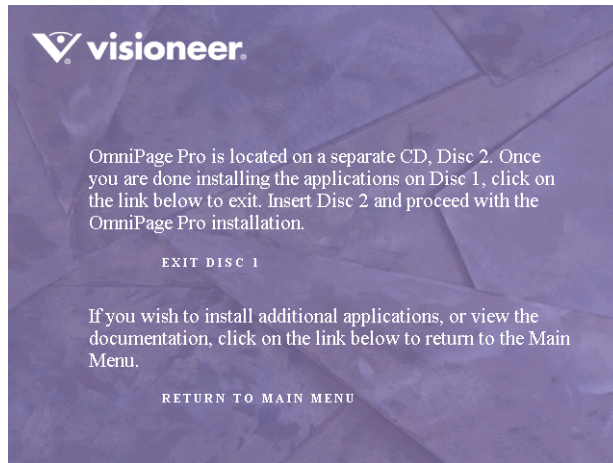
To install OmniPage Pro:

1. Click **Exit Disc 1** and remove **Disc 1** from the CD-ROM drive.

2. Insert **Disc 2** into the CD-ROM drive.

    The OmniPage Pro Installation menu opens automatically. If it does not open, see the note on page 7.

3. Select **Install OmniPage Pro**.

4. Follow the instructions on the screen to install OmniPage Pro.

5. When installation is finished, return to the **Disc 2** OmniPage installation menu and click User Guide.

Note: The OmniPage Pro User Guide is in Adobe® Acrobat® PDF format. If you do not have the Acrobat Reader® software installed on your computer, a free version is on **Disc 1**. The section above "Additional Applications for Your Scanner".

6. When you are finished installing the OmniPage software, remove **Disc 2** and store it in a safe place.

VIEW THE USER GUIDES

1.   Insert **Disc 1** into the computer's CD-ROM drive.

2.   On the Main Menu, click **User Guides**.
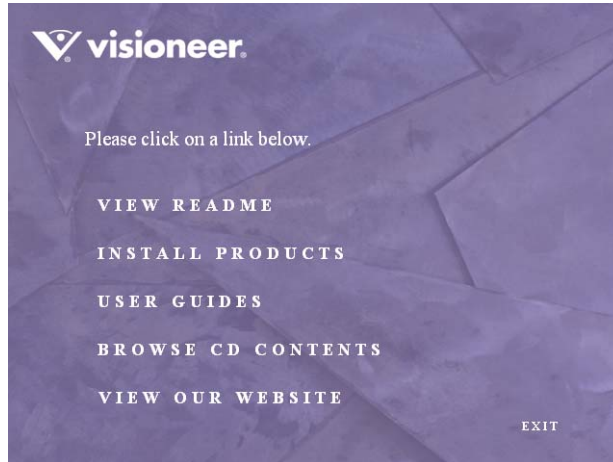
The Visioneer User Guides window opens. Use this window to view and save the User Guides you want.
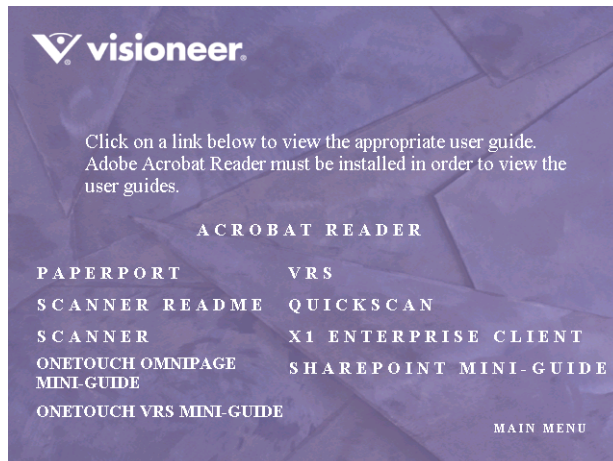
The User Guides are in Adobe® Acrobat® PDF format. If you need to, click **Acrobat Reader** to install it now. Follow the instructions on the installation windows.

The Scanner Readme file is in HTML format and will open in any standard browser.

To view and save the User Guides:

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 Visioneer 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 OneTouch 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 OneTouch VRS Mini-Guide has information about a new feature in the OneTouch 4.0 softwar.e This brief Mini-Guide explains what the feature is and how to use the VRS settings when creating or modifying a scan configuration.

   ■ The OneTouch OmniPage Mini-Guide has information about a new feature in the OneTouch 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 Visioneer Installation window and click **Exit**.

4. Remove the CD and store both CDs in a safe place.

That's it! Installation is finished and your Visioneer scanner is ready to scan.

REGISTER YOUR SCANNER AND CHECK FOR UPDATES

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:

1. Right-click on the OneTouch 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.

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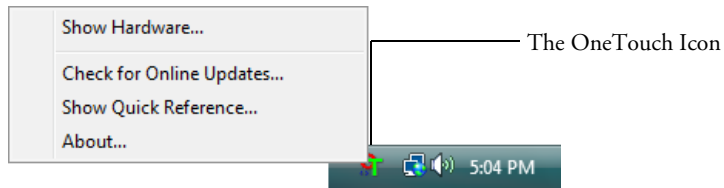
3. Follow the instructions on the screen and register your scanner by entering your scanner's serial number and your email address.

Note: A valid email address is required.

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

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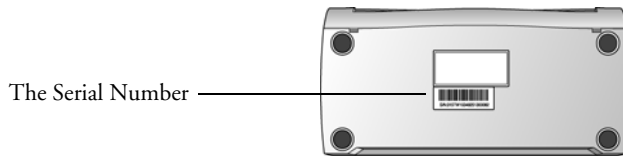
After registration is complete you will receive an email message with your RegID.

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 choice for your scanner's driver (see page 11), you can use several different methods to scan with your scanner. Each method scans equally well, so use the one with appropriate options for the item you are scanning.

- **Scanner Buttons**—When you press 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) or to a storage folder on your computer. See "Load and Scan Documents" on page 25.

- **OneTouch**—Use this option to scan from the computer screen. Open the OneTouch scan panel, put the document in the scanner, then click the icon on the OneTouch panel. See "Scan from the OneTouch Button Panel" on page 28.

- **TWAIN Interface**—This option uses your scanner's TWAIN interface to scan. Select the TWAIN scan settings, put the document in the scanner, then click a button on the TWAIN interface window. See "Scanning with the TWAIN Interface" on page 99.

- **Windows Image Acquisition (WIA)**—This option uses the Microsoft Windows set of choices for scanning. Select the WIA scan settings, put the document in the scanner, then click a button on the WIA window. Scanning with WIA is only available if your computer is running Windows XP or Windows Vista. See "Scanning with the Windows Image Acquisition" on page 114.

- **ISIS Interface**—This option uses ISIS driver to scan. Select the ISIS scan settings, put the document in the scanner, then use your ISIS application to scan using the ISIS Interface. See "Scanning with the ISIS Interface" on page 119.

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) or to a storage folder on your computer.

Note: Always remove any staples or paper clips from documents before inserting them into the scanner. Staples and paper clips can jam the feed mechanism and scratch the internal components. Do not scan any document with labels, stickers or Post-It™ notes on the pages. If a label, sticker or Post-It note comes off during the scanning process, the item can get stuck in the scanner. Misuse as described here will void your scanner's warranty.

1.   Make sure the output tray is fully extended, and adjust the paper guide for the width of paper.
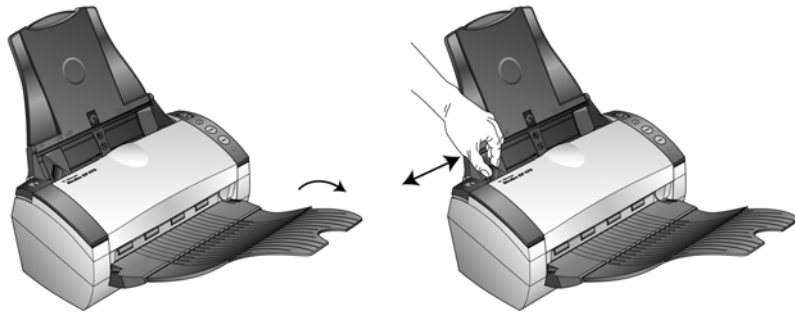
2. Load the documents with their tops into the automatic document feeder.
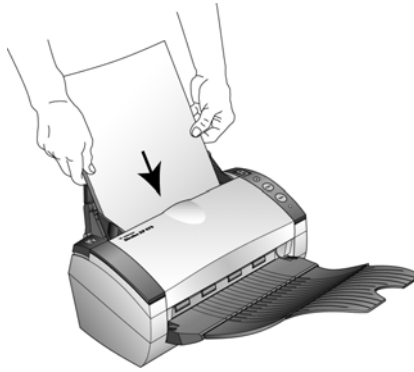
For Simplex (one-sided) scans, load the documents *face down*. To maintain the original order of the documents when they are sent to the Destination Application, the scanner starts at the first page and scans to the last page.

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 Destination Selector button.

Press the Destination Selector to cycle through the scan settings to select the one you want.
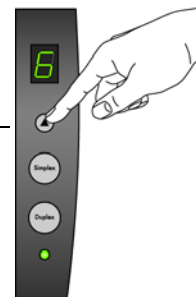
4. To scan a one-sided document, press the **Simplex** button.

   To scan a two-sided document, press the **Duplex** button.
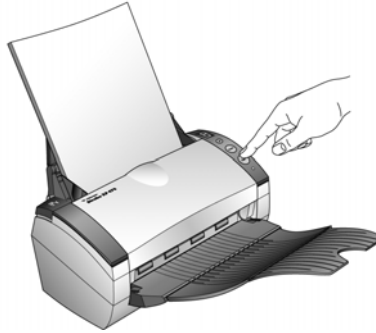
   A scan progress window opens and the image is sent to the selected application from the OneTouch utility. In this example of duplex (two-sided) scanning, the Destination Application is the PaperPort desktop and the two pages are stacked, one on top of the other.

   Cancel button

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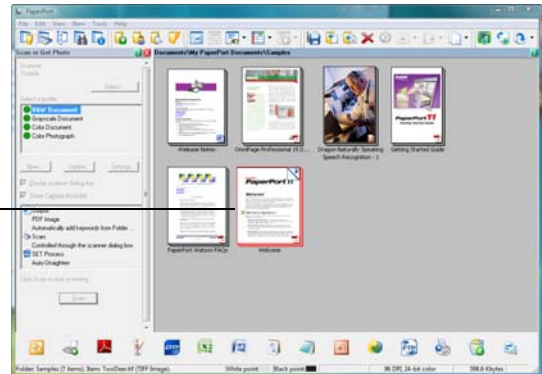
   To Cancel scanning, click the **Cancel** button.

   To pause the scanning, click the **Pause** button. It will change to a **Continue** button. Put the page back into the scanner and click **Continue** to resume scanning.

SCAN FROM THE ONETOUCH BUTTON PANEL

You can scan from the OneTouch 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.

Note: When Duplex scanning a multi-paged document, insert the pages *face down* to have the scanned pages output in their original order.


The OneTouch Icon

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

    The OneTouch Button Panel opens and shows the first five on-screen scanning buttons.

3. On the computer 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.

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

4. To see the other buttons, click the arrows to cycle through all nine settings.

Click these arrows to navigate through the 9 buttons.

Note: Your scanner comes with nine factory-preset OneTouch button settings. You can reconfigure and rename the buttons for your specific scanning requirements. For information see "The Default OneTouch Settings on Your Scanner" on page 33.

5. Click the green arrow buttons to see details about a button or the scanner.

Click the green arrow pointing to the right to see a button's settings. Click the arrow pointing to the left to see hardware information.

The next section provides more details about using the OneTouch panel.

USING THE ONETOUCH BUTTON PANEL

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

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

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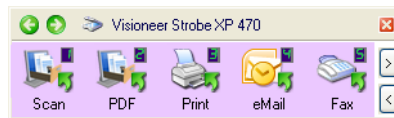
The Button View

2. To scan from the panel, click the icon you want to use to scan.

3. To see the details for the currently selected button, click the green arrow that points to the right at the top left of the panel. You can also right-click on a button and the Properties window for that button also opens.

Click the green arrow that points to the right to see a button's details in the Detail View.

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

The Detail View

4. To cycle through the nine buttons, click the arrows on the right side of the panel.
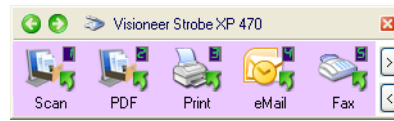
Click these arrows to cycle through the 9 buttons.

5. 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.
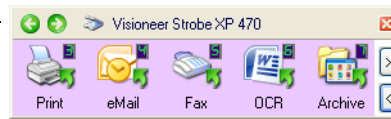
The Button View
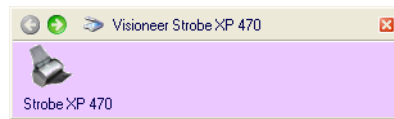
The Hardware View
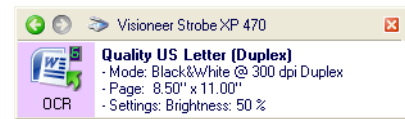
The Detail View

- 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.

  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.

6. To close the OneTouch Button Panel, click the close button on the panel.

ABOUT THE ONETOUCH BUTTON PANEL'S NAMES AND ICONS

The button names, such as PDF, eMail or Fax, indicate the original factory settings for a button. For example, the eMail button is set up to scan documents then immediately attach them to a new email message in Microsoft Outlook Express®. But you can change the name, the Destination Application, and any of the other aspects of the button.
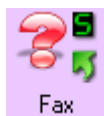
A question mark for a button, such as shown for button 5, means your computer does not have appropriate software for the initial factory settings (Fax software in this example). In that case, you would probably want to change the name and Destination Application to something else. For example, if you 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.
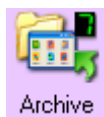
A folder icon for a button, such as shown for button 7, means that the button is set up to archive the scanned item. The scanner sends the scanned image directly to a folder without opening the image first in a Destination Application. Use the archiving option when you don't need to see the scanned images, but simply want to store them in a folder.

The default archive folder for button 7 is at **C:\Documents and Settings\<your user name>\My Documents\My OneTouch Archive\PDF Documents**. 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 OneTouch Buttons" on page 34 to change the settings of the buttons on the OneTouch Button Panel.

THE DEFAULT ONETOUCH 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.

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

Button	Name	Destination	Preconfigured Settings
1	Scan	PaperPort	Black&White @ 200dpi Duplex
2	PDF	PaperPort	Black&White @ 300dpi Duplex
3	Print	Printer	Black&White @ 200dpi Simplex
4	eMail	eMail application (Internet Explorer Default)	Black&White @ 200dpi Simplex
5	Fax	Fax Application	Black&White @ 200dpi Simplex
6	OCR	Microsoft Word (if installed, otherwise it will default to Microsoft WordPad)	Black&White @ 300dpi Duplex
7	Archive	Store in the folder **My Documents/My OneTouch Archive/PDF Documents**	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.

CONFIGURING THE ONETOUCH BUTTONS

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

To open the OneTouch Properties window:

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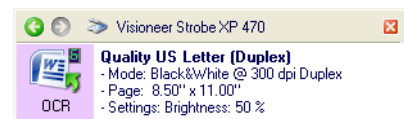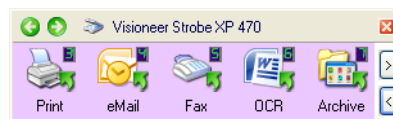
2. Right-click a button on the OneTouch Button Panel.

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

The OneTouch Properties window opens for that button.

Right-click on a button (for example, button 2) and the Properties window opens for that button.
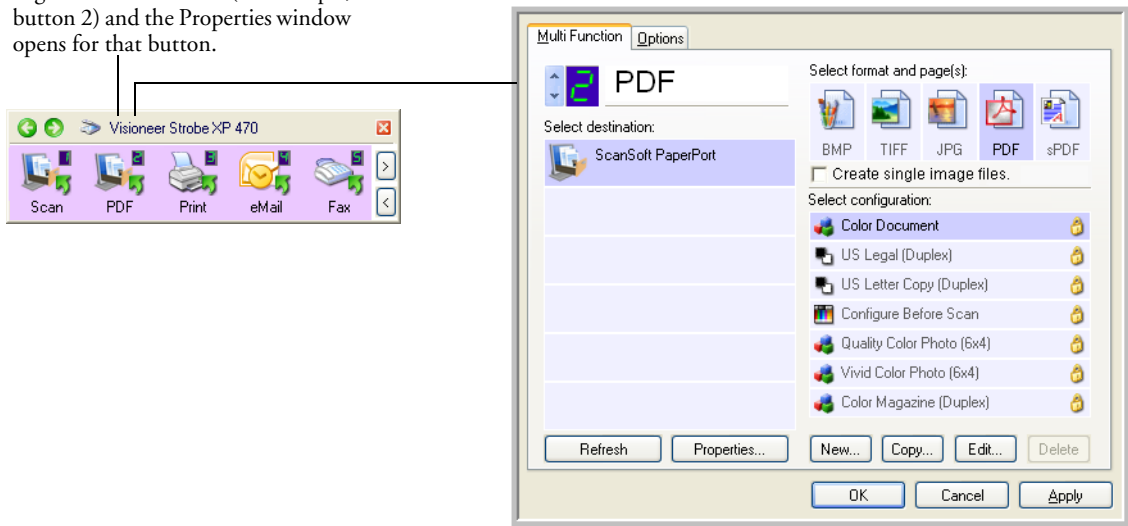
The OneTouch Properties window also opens when you press, hold down, and release the Simplex or Duplex button on the scanner.

ABOUT THE ONETOUCH PROPERTIES WINDOW

The OneTouch Properties window is where you can select new settings for the buttons. The OneTouch Properties window also contains special scanning features such as scanning and burning to a CD, scanning and converting text directly into an HTML web page, and scanning with optical character recognition (OCR) that turns a scanned image into text that you can edit.

Note: Some of the options on the OneTouch Properties Window (and other OneTouch windows and dialog boxes) are "grayed out" and are not available. Grayed out options are not appropriate for your Visioneer Patriot 470 (Strobe XP 470) scanner.

The following example of the OneTouch window shows the settings for Button 6. The button is set to scan with the scan configuration named Quality US Letter (Duplex) and to display the scanned image in the Destination Application, Microsoft Word. The Format and Page(s) option is set to scan in the DOC image format.

The button number and name.

The Destination Application. This is the application that opens when you are finished scanning.

Click to select options.

The file format of the images of the scanned item.

The settings that the scanner uses when scanning with the currently selected button (in this case button 2).
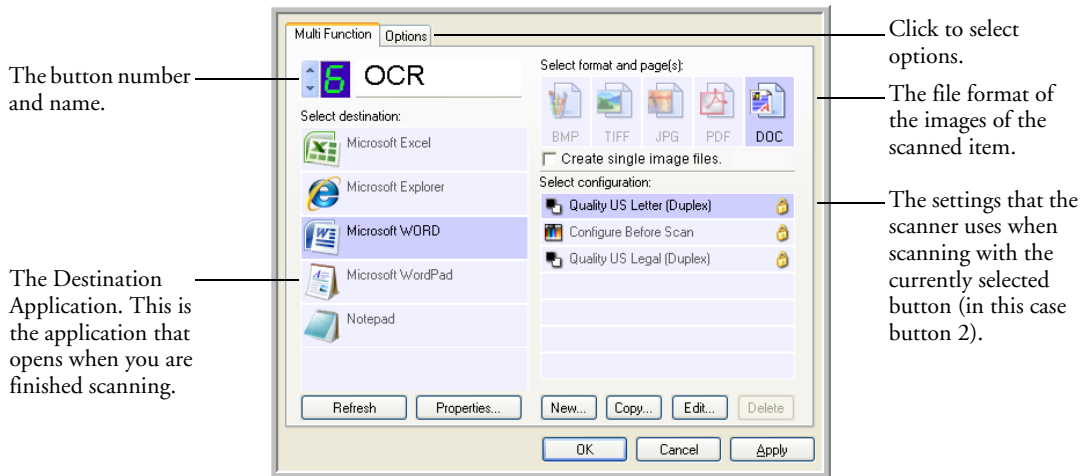
Note: If you install new applications on your computer, and they do not appear in the **Select Destination** list, click the **Refresh** button.

The settings on the Properties window are:

Select Destination—The list of 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 54 for more information.

Select Configuration—The list of available scan configurations for the selected button. The configuration settings include: scanning mode, resolution (dpi), page size, brightness, color saturation, hue, and gamma. To see a selected scan configuration's settings, click its icon. Click the icon again to close the detailed information.

Click the icon of a selected
configuration
to view its settings.

Select configuration:
- Color Document
- US Legal (Duplex)
- US Letter Copy (Duplex)
  - Mode: Black&White @ 200 dpi [
  - Page: 8.50" x 11.00"
  - Settings: Brightness: 50 %
- Configure Before Scan
- Quality Color Photo (6x4)
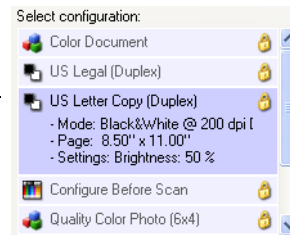
The icons next to each scan configuration indicate the scanning mode.

Color   Black and White   Grayscale   Configure
                                              Before Scan

Note: Use Configure Before Scan if you want to set the scanning mode manually before scanning. See "Configure Before Scan" on page 75.

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 the Microsoft Outlook.

BMP   TIFF   JPG   PDF   TEXT

The button names indicate their file types. See "Selecting Page Format Options" on page 48 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.

SELECTING NEW SETTINGS FOR A BUTTON

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

Click these arrows to see the properties for the button whose settings you want to change.

Select a software application as the destination to send scanned documents.
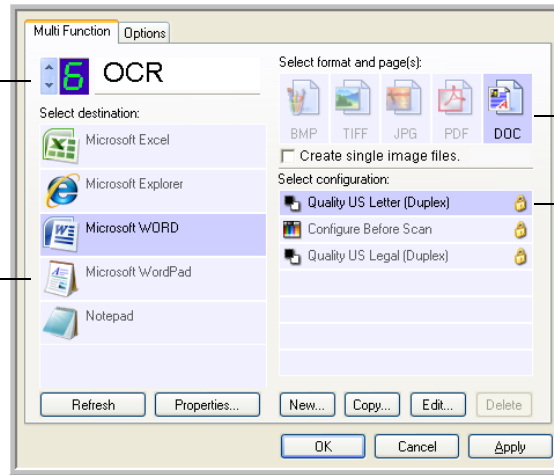
Select a format for the scanned image.

Select a configuration for scanning the item.

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 54 to display a full list of the Destination Applications that you can use with the scanner.

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. The scan configuration list is preset for the application you select in the Select Destination list. You can create your own scan configurations as well.

4. Select a file format from the **Format and Page(s)** option.

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

    However, if you select Microsoft Word as the Destination
    Application, the available formats are for text, such as .doc, .txt, and
    .rtf. See "Scanning with Optical Character Recognition (OCR)" on
    page 79, or the OneTouch OmniPage Mini-Guide on **Disc 1** for
    details.

5. Click **OK**, or if you want to keep the window open and work with
    other features, click **Apply**.

    Note that while the OneTouch Properties window is open, you
    cannot scan yet by clicking a button on the OneTouch Panel. You
    must click **OK** or close the OneTouch 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 OneTouch Properties window, click a Destination
    Application.

2. Click the **Properties** button.

Click a Destination
Application.

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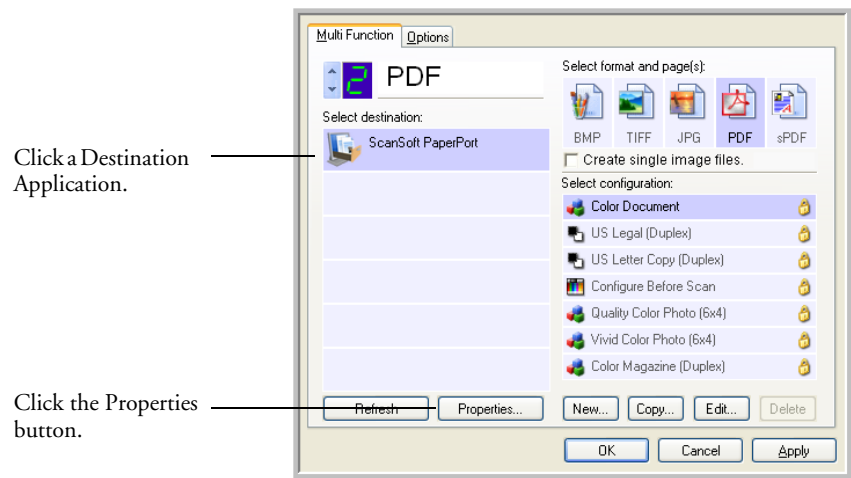
A OneTouch 4.0 Link Properties dialog box opens for the type of
Destination Application you selected, and the available options are
for that type of application.

PAPERPORT PROPERTIES

These properties apply to PaperPort, and are for designating the folder
to receive your scanned items.
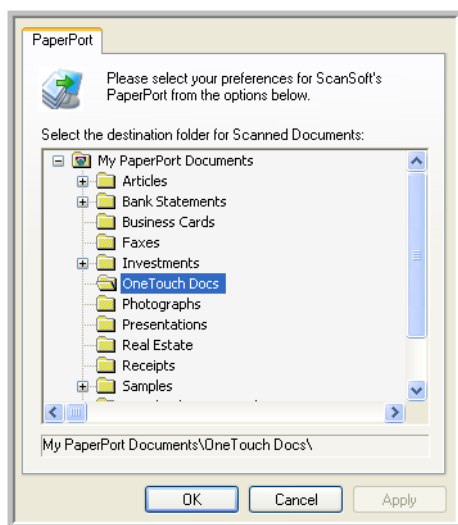
1. Select the PaperPort folder where you want the file of the scanned
    image to be located.

2. Click **OK**.

3. Click **OK** or **Apply** on the OneTouch Properties window.

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

Text Documents Properties

These properties apply to Microsoft Word, Microsoft Excel®, Adobe Acrobat Reader, and the other applications indicated by their icons in the list. The properties apply to the OCR settings for the applications.
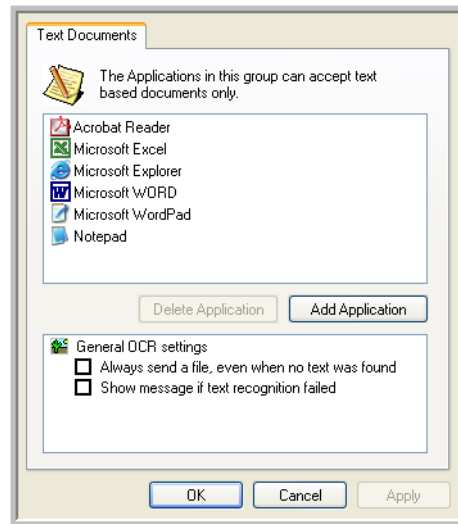
Click in the OCR settings boxes for the options you want.

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 OneTouch button set for text applications.

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

Add a Word Processing Application to the OneTouch Destination Application List.

1. To add another application to the list, click the **Add Application** button. The Add Text Based Link dialog box opens.

2. 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.

3. Select the icon in Step 3 of the dialog box. That is the icon that will appear in the OneTouch Destination List.

4. In step 4 of the dialog box, select the file formats that the application will accept.

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

5. Click the **Add** button.

6. Click **OK** or **Apply** on the Link Properties window.

7. Click **Refresh** on the OneTouch Properties window.

8. Click **OK** or **Apply** on the OneTouch Properties window.

IMAGE DOCUMENTS PROPERTIES

These properties apply to the OmniPage Pro software that you received with your scanner, plus Microsoft Paint and other image processing applications.
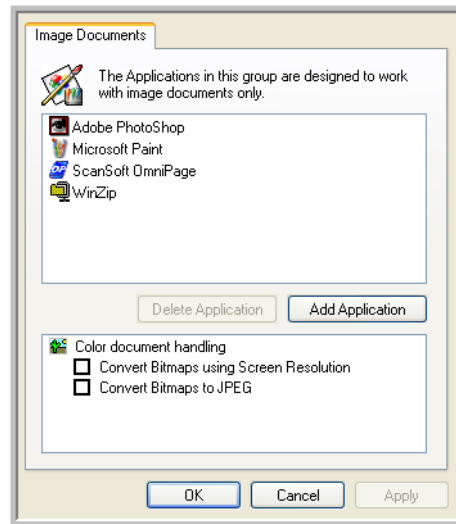
Click in the Color document handling settings boxes for the options you want.

The 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.

See the steps on page 43 to add an application to the list.

STORAGE PROPERTIES

These properties apply to the Destination Application named Transfer to Storage. If a CD burner is attached to your computer, you can also use this dialog box to start the Burn to CD process. See the section "Scan and Burn to a CD" on page 84.

You can also set up multiple configurations to store scanned items in separate locations. See "The Storage Options Tab (Archive)" on page 66 and "Scanning to Multiple Folders" on page 67.
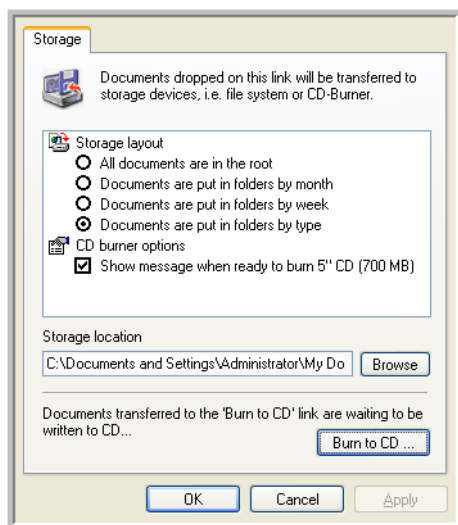
Note: If you do not have a CD burner attached to your computer, the CD options are not shown on the dialog box. The Burn to CD option is only available for Windows XP or Windows Vista.

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—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.

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.

3. 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 do not. If you are 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.
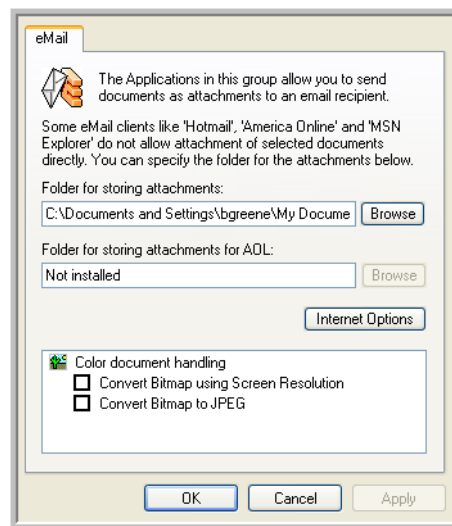
1. Click the **Browse** button for **Folder for storing attachments** and choose a folder for your eMail attachments.

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 address, 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 OneTouch Properties window.

SELECTING PAGE FORMAT OPTIONS

The Page Format options that you select determines the file format of the scanned document. Appropriate page 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.

Image Formats   Text Formats; sPDF is only one
                       of several text formats available.
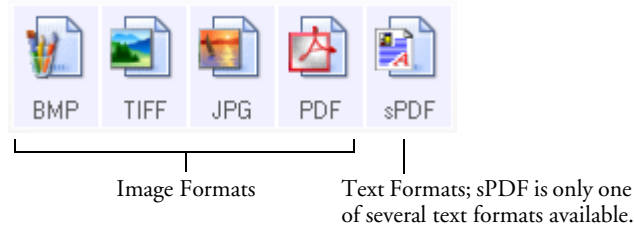
The Text Formats are for text file types. The names of the formats indicate their file types. See "Text Formats" on page 50 for details.
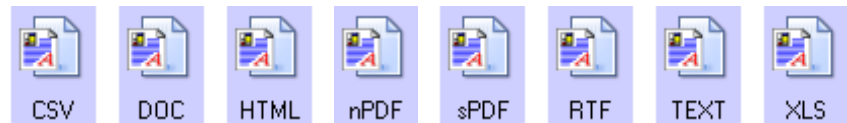
Create Single Image Files

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.
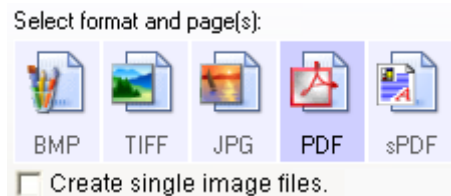
IMAGE FORMATS

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 81 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.
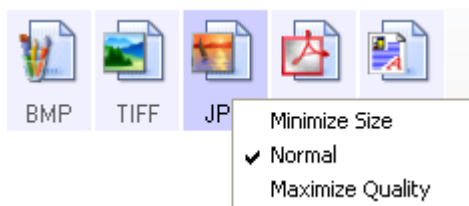
3. Choose the file size/image quality option for your scanned images.

    Minimize Size—Smallest file size, lowest image quality.

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

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

    Your selection pertains only to the button currently selected on the OneTouch 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 OneTouch 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 79.

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.
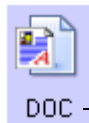
DOC ——— The specific text format; this example is for Microsoft Word format (.doc).

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.

   A menu opens. The following figure shows samples for different formats.

   Example menu for the TEXT format options when the Destination Application is Microsoft Word.
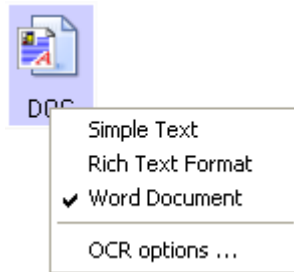
   Example menu for the TEXT format option when the Destination Application is Microsoft Outlook® or a Storage location.

   DOC

   - Simple Text
   - Rich Text Format
   - ✔ Word Document

   - OCR options …

   nPD

   - Simple Text
   - Rich Text Format
   - Word Document
   - Comma Delimited
   - Excel Spreadsheet
   - HTML Document
   - Searchable PDF
   - ✔ Normal PDF

   - OCR options …
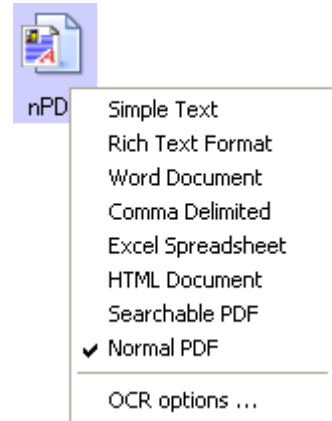
3. Choose the file type that you want for the text format.

   Your selection of a file type pertains only to the button currently selected on the OneTouch 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.

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

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 software, the fields are maintained.

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

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

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. See "Scanning with sPDF or nPDF and Searching for Text" on page 81 for details.

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 if you have a PDF editing program. See "Scanning with sPDF or nPDF and Searching for Text" on page 81 for details.

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

    The OCR Options provide a series of selections for the OCR feature when you scan text. The options in this menu are only available if you have the OneTouch OmniPage Module or the OmniPage Pro software installed on your computer. See "Scanning with Optical Character Recognition (OCR)" on page 79 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** on the OneTouch Properties window.

RENAMING A ONETOUCH BUTTON

The OneTouch 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 OneTouch 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 OneTouch 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 OneTouch Properties window and click the **Options** tab.
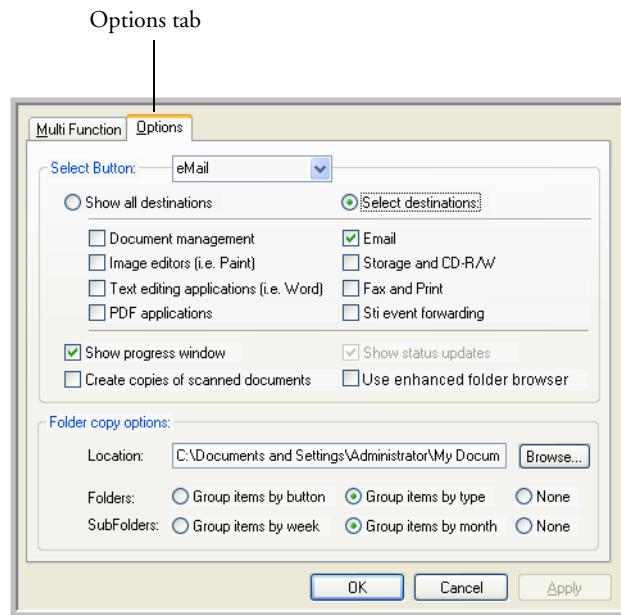
Options tab

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 (Custom). 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 79 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 46 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 91 and "Scan and Burn to a CD" on page 84 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 OneTouch Event Forwarding dialog box opens so you can select which application to use to continue scanning. See "Scanning with Event Forwarding" on page 87 for details.

4. After selecting a new category of Destination Applications, 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 or may not 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. But because you already have the original picture, you may not want to also save a permanent file of that image as well. The same situation may occur when you scan directly to a printer or scan to a fax application. You already have the paper version (and in the case of a printer, you would have two paper copies—the original and the scanned printed version) so there's no need for an electronic file too. However, by selecting this **Create copies of scanned documents** option, you can choose to save permanent copies of those types of images on your hard drive.

The copies will be saved in the folder specified in the Folder Copy Options section (see the figure on page 54 and the description below).

This option is not available if either the **Document Management** or **Storage and CD-R/W** options 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 a **Document Management** software.

Likewise, the option is also not available for the default setting of Buttons 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.

All copies of your scanned documents, regardless of type of Destination Application, are saved in this folder.

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 OneTouch button. For example, if the button is named Printer, the documents are grouped under the name Printer. 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.

The following example shows the folders when the selections are **Group items by type** and **Group items by month**.
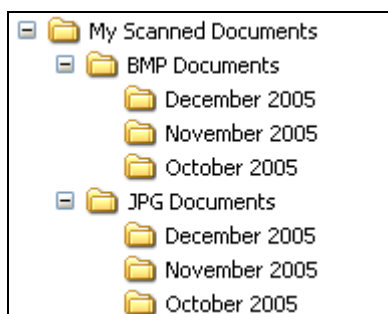
5. Click **OK** to save the options for the selected button.

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.

The Scan Configurations.

The Lock Icon.

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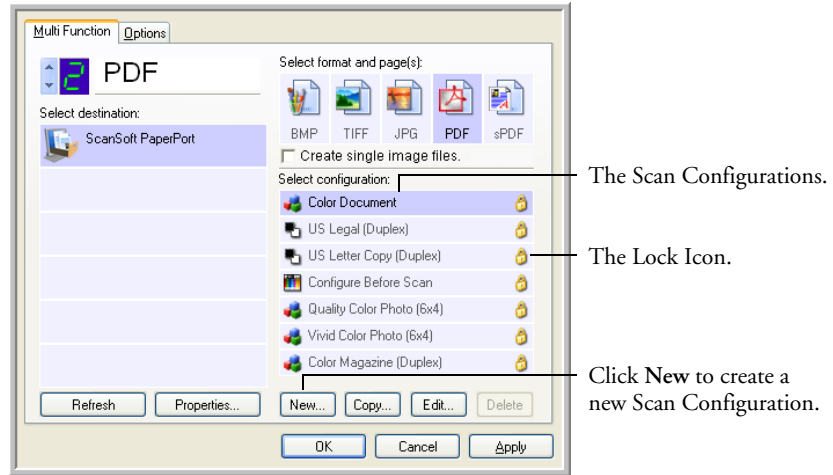
Note the lock icon on the preset configurations. Although you can unlock and edit the preset configurations, we recommend that you leave them locked, and only add new configurations. That way, you will always have the original factory-set configurations available.

To create a new configuration:

1. Open the OneTouch Properties window and make sure the **Multi Function** tab is selected.

2. Scroll through the applications in the Select Destination list and click the type of application for which you want to create a new scan configuration.

   When you create a new scan configuration, it will appear for the buttons that are set for the same types of Destination Applications. For example, if you create a new configuration for a button that is set to show image editor applications, that new configuration also appears for any other buttons set for image editors, but not for

buttons set for text editing applications. Thus, you can create specific sets of scan configurations for specific functions and they appear only when appropriate.

3. Click the **New** button.

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

    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.

Type a new name for the configuration.

Select the scan mode and drag the slider to set the resolution.

Drag the sliders to set the Brightness and Contrast.
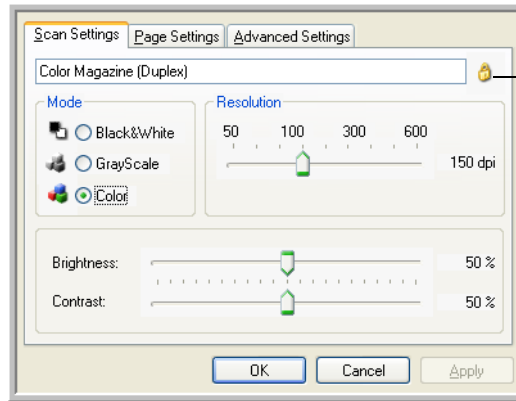
If the configuration is locked, click the lock to unlock it. The icon becomes a key.

| Scan Settings | Page Settings | Advanced Settings |

Color Magazine (Duplex)

Mode
- Black&White
- GrayScale
- Color

Resolution
50   100   300   600
150 dpi

Brightness: 50 %
Contrast: 50 %

OK   Cancel   Apply

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.

Click to toggle between inches and centimeters.
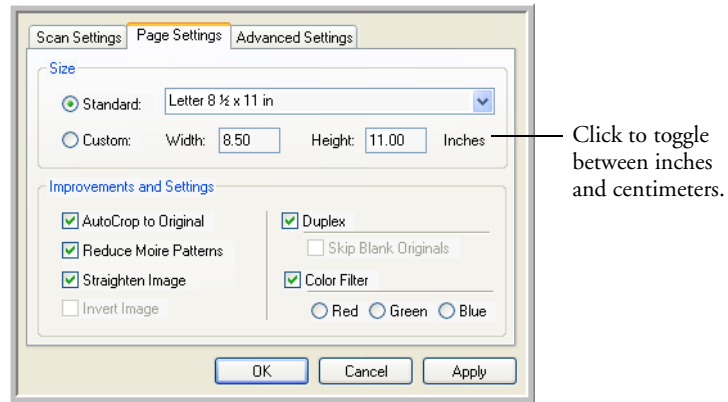
Size—Click **Standard**, click the menu arrow and choose a page size from the list, or click **Custom** and enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters. Click the name of the units, inches or millimeters, 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 by 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 300 dpi or less.

Straighten Image—Select this option to let the scanner automatically determine if a page is skewed, and 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
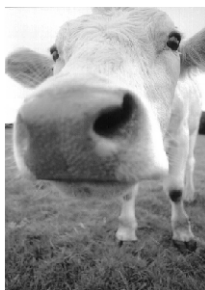
Inverted Image

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

Note: Because you can set Duplex and Simplex for the OneTouch buttons, there could be a conflict when you press the Simplex or Duplex button on the scanner. Regardless of the OneTouch setting, the scanner button always takes precedence. In other words, even if the LED number on the scanner has a setting for Duplex, when you press the Simplex scanner button, the scanner scans in Simplex mode, 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 in Black and White mode.

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.

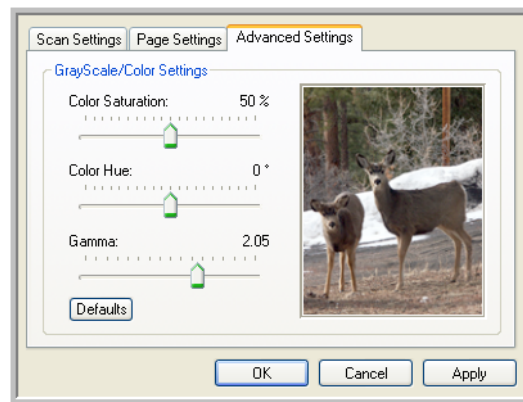The original with a red watermark over black text.
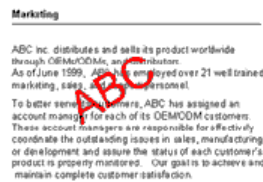
The scanned item with the red filtered out.
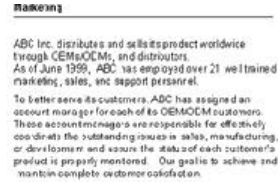
8. Click the **Advanced Settings** tab.

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

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.

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.

10. **C**lick **OK** to save the new configuration.

It will now appear in the list of Scan Configurations on the OneTouch 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.
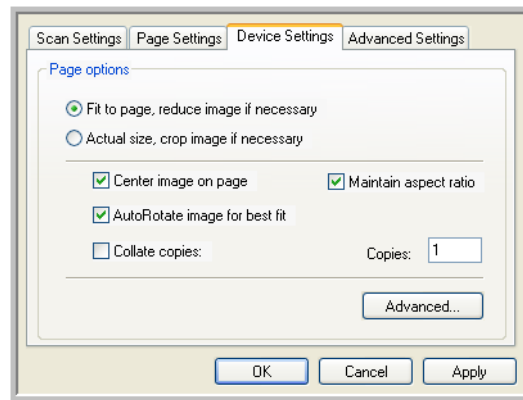
Fit to page, reduce image if necessary—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be reduced to fit the page.

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're 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 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 selected Destination Application is set as Transfer to Storage. You use the options on this tab to select where you want to save your scanned items for storage when scanning with that particular Scan Configuration. Button 7 is set as the default Archive button for scanning to storage, with Transfer to Storage as the destination. So if you want to have the Scan Configuration apply to Button 7, switch to it first before creating the new Scan Configuration.

Note: The selections you make using the Storage Options tab override the storage options that apply to the Storage Properties. This means that you can create separate Scan Configurations to store scanned items at various locations in addition to the main location set by the Storage Properties. See "Storage Properties" on page 45 and "Transferring Scanned Documents to Storage" on page 91 for more details.

1. Click on the **Storage Options** tab.
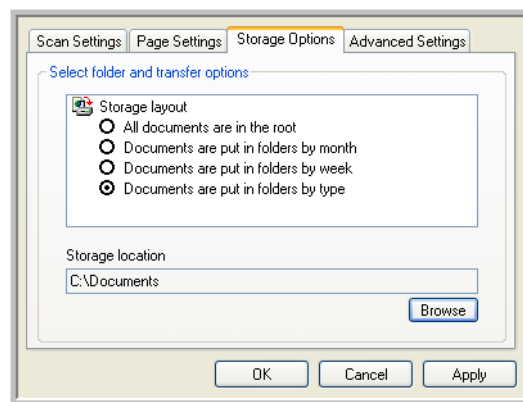
2. Click the Storage Layout options you want.

   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. Type refers to the file type selected as the Page Format on the OneTouch Properties window.

   By default, the location of the archived documents is at **C:\Documents and Settings\<your user name>\My Documents\My OneTouch Archive** and then 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\<your user name>\My Documents\My OneTouch Archive\TIFF Documents**.

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**.

SCANNING TO MULTIPLE 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 OneTouch Properties window.

3. Select **Transfer to Storage** as the Destination Application.

4. Click the **New** button.


Select Transfer to Storage.

Click the New button.
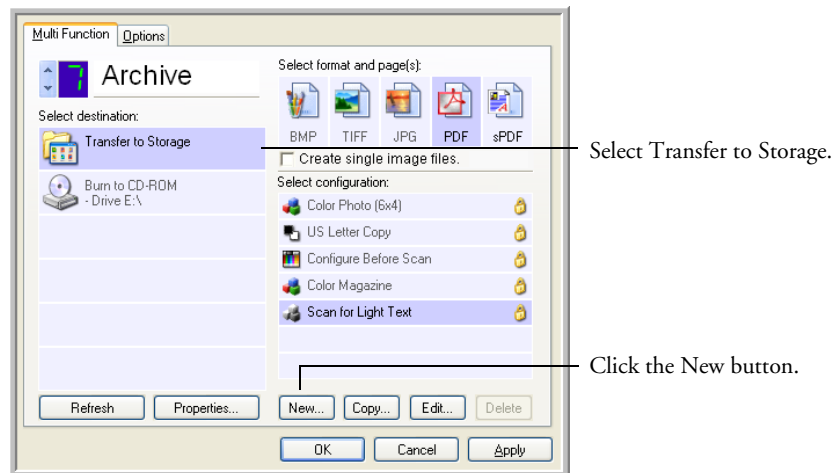
The Scan Configuration Properties dialog box opens.

5. Click the **Scan Settings**, **Page Settings**, and **Advanced Settings** tabs, and select the settings you want.

   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."
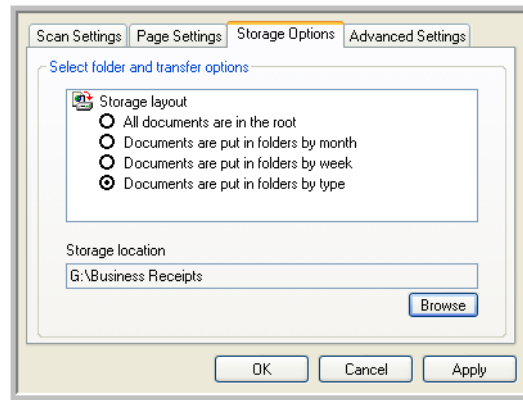
6. Click the **Storage Options** tab.
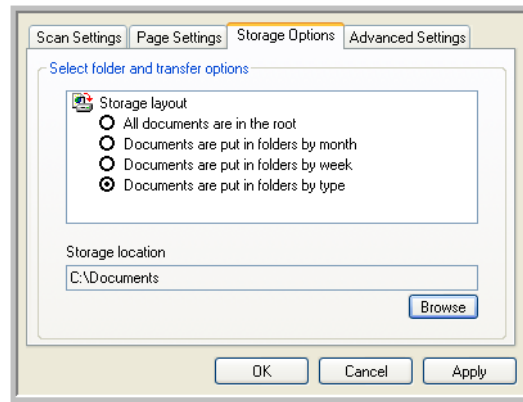
7. Click the **Browse** button.

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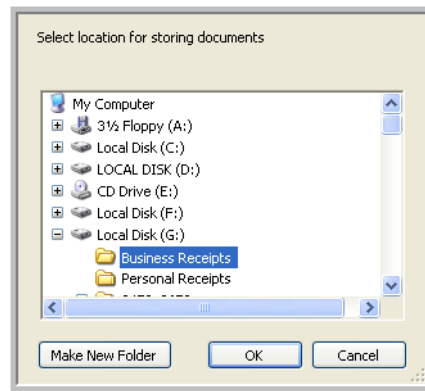
If you haven't created the folder yet, you can click the **Make New Folder** button and type the name for the new folder.

9. Click **OK**. The selected folder will now be set as the Storage Location, such as "Business Receipts."


10. Click **Apply**. The new configuration is now listed as a Transfer to Storage configuration.

11. Repeat the process to create additional new configurations, such as one named "Storage for Personal Receipts."

12. 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.
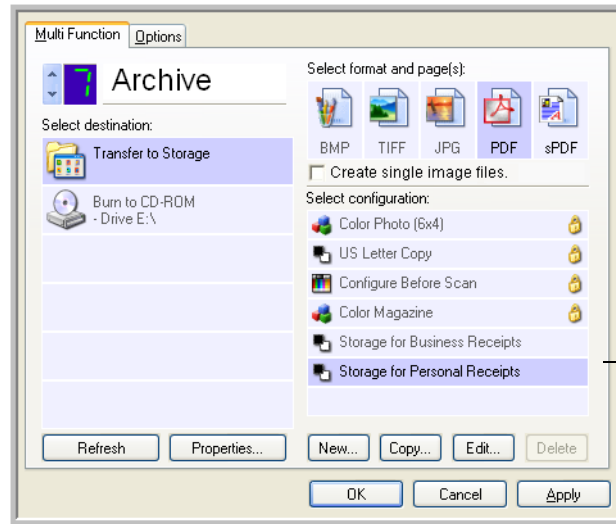
13. Now click the arrow buttons to select a scanner button for each new configuration. Click **Apply** to set that button for that configuration.

    The following examples show that buttons 7 and 8 have been set to scan to each of the new configurations.
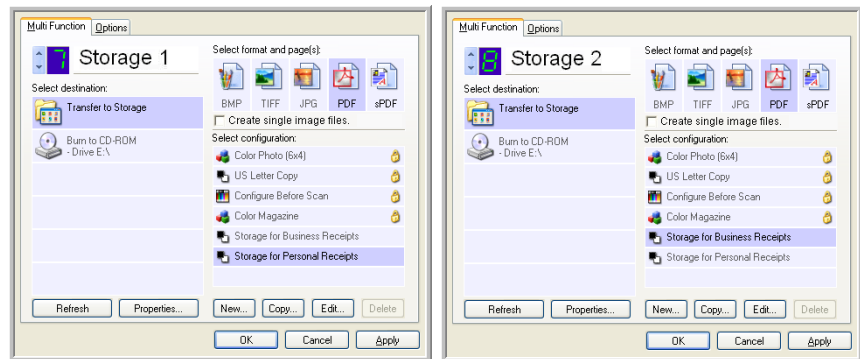
    Note that the button names have also been changed to Storage 1 and Storage 2 to remind you that both send documents to storage, but to different locations. To change button names, see "Renaming a OneTouch Button" on page 53.

Scan to multiple storage folders:

1. Insert the documents you want to scan to multiple storage folders.

2. Press the **Destination Selector** button on the scanner to get to one of the buttons set up for scanning to storage.

3. Press the **Simplex** or **Duplex** button to scan the documents.

4. When scanning is finished, put the next set of documents into the scanner and press the **Destination Selector** button to get to the next button you have set up for scanning to storage.

5. Press the **Simplex** or **Duplex** button to scan the documents.

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

EDITING OR DELETING SCAN 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 preset configurations. We also recommend that you keep those configurations locked so they are not inadvertently deleted. If you do edit or delete them, and want to get the factory pre-sets back again, you will need to uninstall then re-install your scanner driver.

To edit or delete a scan configuration:

1. Open the OneTouch Properties window.

2. Select the scan configuration you want to edit or delete.

Select the scan configuration to edit or delete. It must be unlocked, as indicated by not having a lock displayed here.
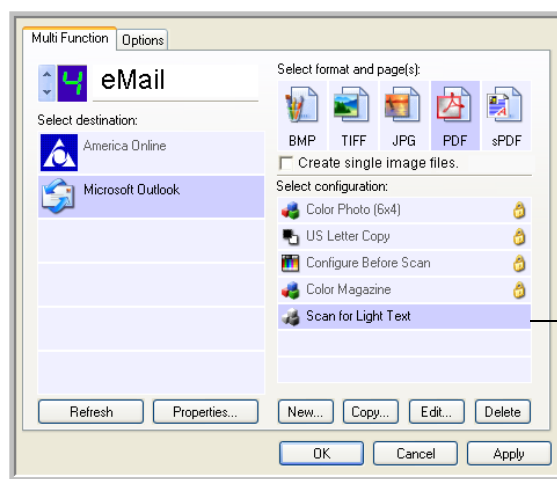
3. To delete the configuration, click the **Delete** button.

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.
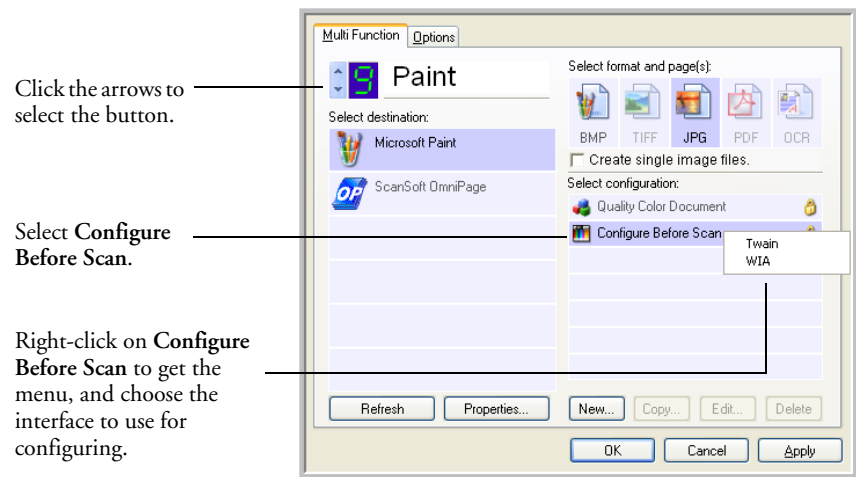

Click the Lock/Key icon to toggle between locked and unlocked.
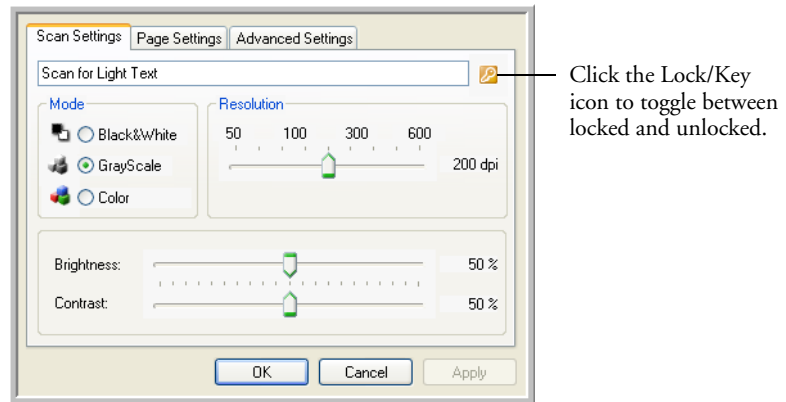
5. Edit the settings and click **OK**.
6. Click **OK** to close the dialog box.

CONFIGURE BEFORE SCAN

Choosing the scan configuration Configure Before Scan simply opens a scanning interface when you press or click a scan 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 OneTouch Properties window for that button.

To Set Configure Before Scan:

1. Open the OneTouch 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**.

Click the arrows to select the button.

Select **Configure Before Scan**.

Right-click on **Configure Before Scan** to get the menu, and choose the interface to use for configuring.

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 configure the scanning. See "Scanning with the TWAIN Interface" on page 99.

    WIA—The Windows Image Acquisition Interface (WIA) opens for you to configure the scanning (available on Windows XP or Windows Vista only). See "Scanning with the Windows Image Acquisition" on page 114.

5. Click **OK** or **Apply** on the OneTouch Properties window.

TO SCAN USING CONFIGURE BEFORE SCAN

1. Put the documents in the scanner's ADF tray.

2. Either click on the button you set to use the Configure Before Scan option or press the Simplex or Duplex button on the scanner.

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

3. The TWAIN interface will open.
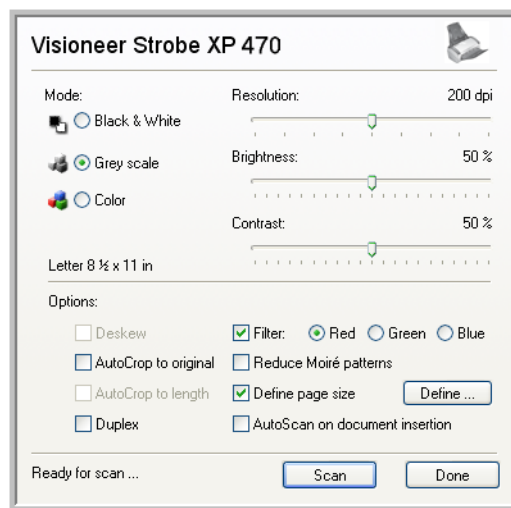
4. Choose the scanning options applicable to your scan batch.

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 OneTouch 4.0 Properties.

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

Please see "The TWAIN Interface Options" on page 103 for instructions on using the scanning features found in the TWAIN interfaces.
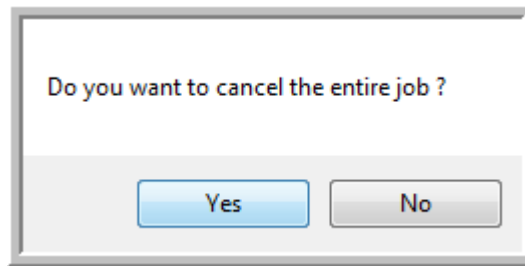
CANCELING A CONFIGURE BEFORE SCAN

To cancel a scan after scanning has begun:

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

    Scanning page 1

    © Visioneer Inc. All rights reserved.   Cancel
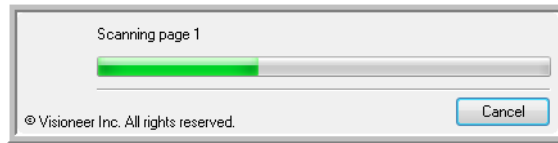
2. The following window will open asking you if you want to cancel the entire job.

    Do you want to cancel the entire job ?

    Yes   No

    ■ **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 this option if the TWAIN scan settings are incorrect for your current scanning batch.

For instance, the Scan Mode is set to Black & White but you want to scan your documents in color, choose Yes to delete any scanned pages, then select the correct scanning Mode 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 scanner, 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 and 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 scanning Mode 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) is like a printer in reverse. Instead of printing what's on the screen onto paper, 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, spell check, change font or type size, sort, calculate, and so forth.

Note: Visioneer 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 and have small type, 400 dpi can be used as the maximum resolution.

The OneTouch OmniPage Module **or** the OmniPage Pro software must be installed on your computer in order to use the OCR options with the OneTouch 4.0 software and your Patriot 470 (Strobe XP 470) scanner. OneTouch 4.0 and OmniPage work together to combine scanning with OCR processing into one integrated step.

The OneTouch 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 OneTouch OmniPage Module and the OmniPage Pro Software can both be installed on your computer at the same time, however, the features in the OneTouch OmniPage Module will take precedence over the OmniPage software features when using OneTouch 4.0. The "OneTouch OmniPage Mini-Guide" is available on the **Disc 1** installation CD.

Note: If you have uninstalled the OneTouch 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:

Use either of the following methods:

■ 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.
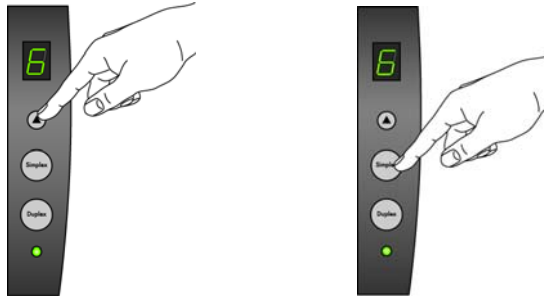
Note: OneTouch Button 6 is preset as your OCR button. But you can also set up any other button to scan and OCR the text.

■ To scan from the OneTouch Button Panel, click the OneTouch icon in the Windows system Tray, click the arrows to see Button 6, then click Button 6.
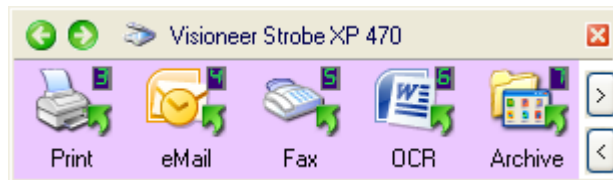
Click the arrows until Button 6 is on the panel, then click Button 6.

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.

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 you have the OneTouch OmniPage Module or OmniPage Pro software installed on your computer.

To scan with sPDF or nPDF:

1. Open the OneTouch Properties window.

2. Using the arrows, choose a OneTouch 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.
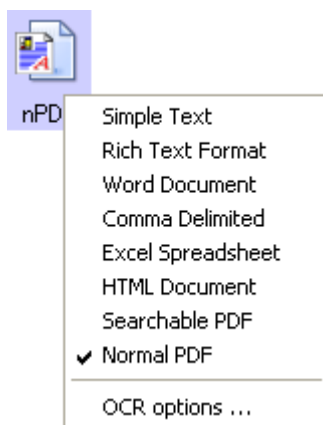
5. Choose the **Searchable PDF** or **Normal PDF** option for the page format.

    The settings for the button (button 8 in this example) now show your page format selection.
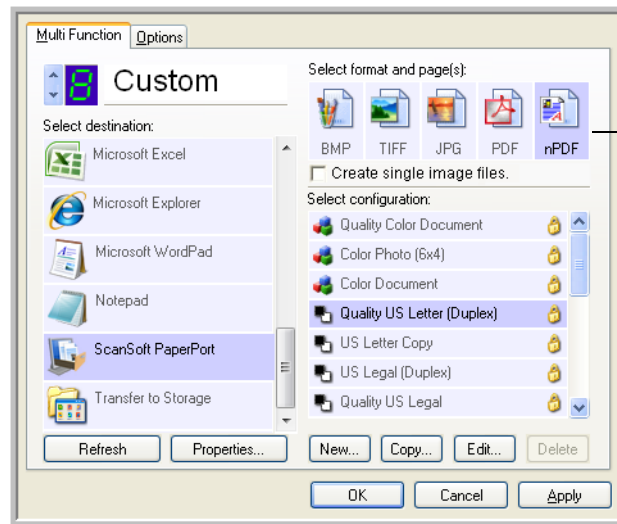
The page format icon is now set to the selection from the menu.

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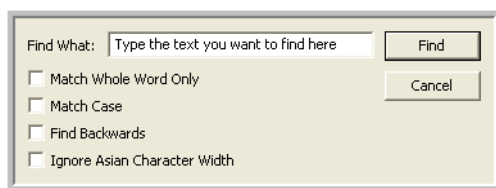
---

6. Choose a Scan Configuration.

7. Click **OK**.

    The OneTouch 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.

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

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

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

    The Find dialog box opens.

Find What:	Type the text you want to find here	Find
☐ Match Whole Word Only		Cancel
☐ Match Case		
☐ Find Backwards		
☐ Ignore Asian Character Width		

3. 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 Visioneer Patriot 470 (Strobe XP 470) 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 OneTouch 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.
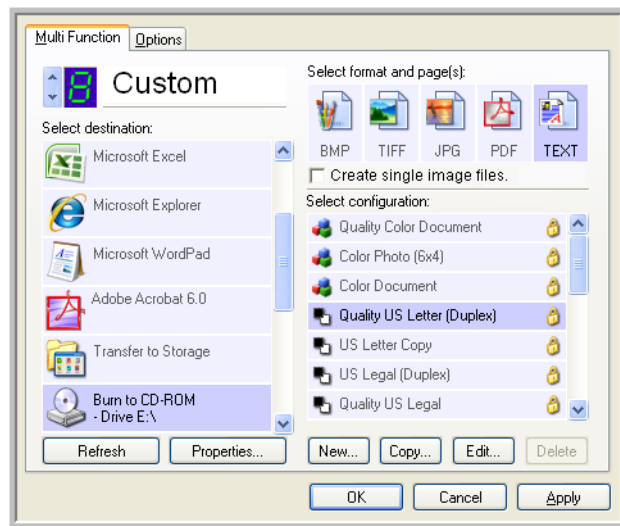
5. Choose a Page Format and a Scan Configuration.

6. Click **OK**.

   The OneTouch Properties window closes.

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

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

8. On the OneTouch window, make sure that the **Burn to CD** Destination Application is still selected and click the **Properties** button.

   The OneTouch 4.0 Link Properties window opens.
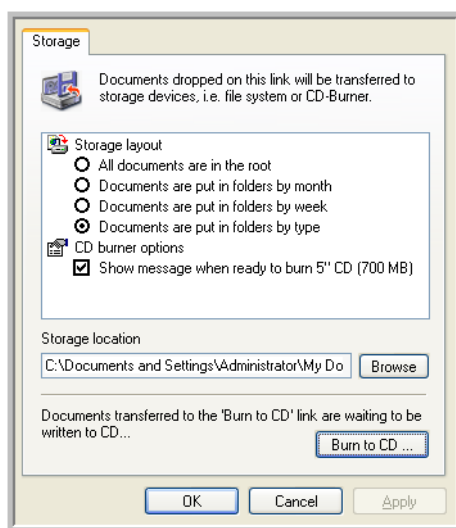
9. Make sure a CD is in the CD burner.

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\<your user name>\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 OneTouch 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 wizards 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, however, that if you have created other custom configurations with different storage locations (for example, see "Scanning to Multiple Folders" on page 67), 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 OneTouch Properties window.

2. Using the arrows, choose a button to use for the event forwarding.

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.
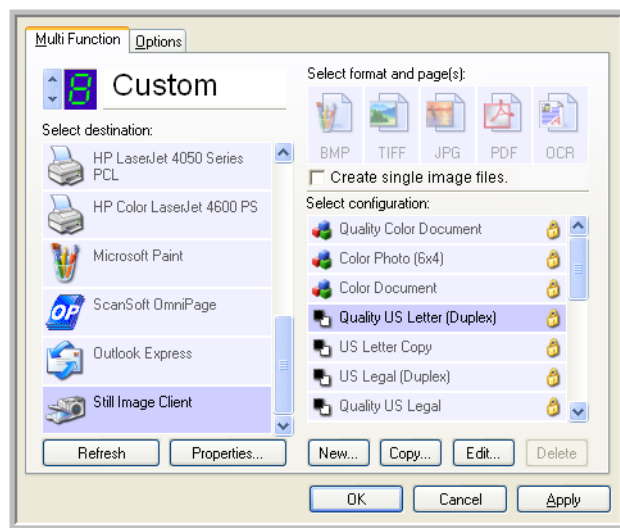
4. Choose a Scan Configuration.

5. Click **OK**.

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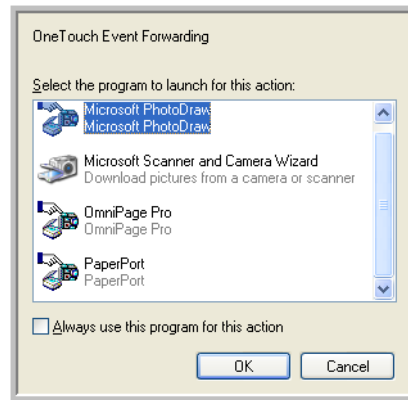
7.   Select the application in the box and click **OK**.

Now the application you selected opens and you can continue the scanning from that 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 OneTouch Properties window.

2. Using the arrows, choose Button 8 (Custom), or any other button that has Microsoft Explorer as one of its Destination Applications.

3. Select **Microsoft Explorer** as the Destination Application.

4. Choose **HTML** as the Page Format.
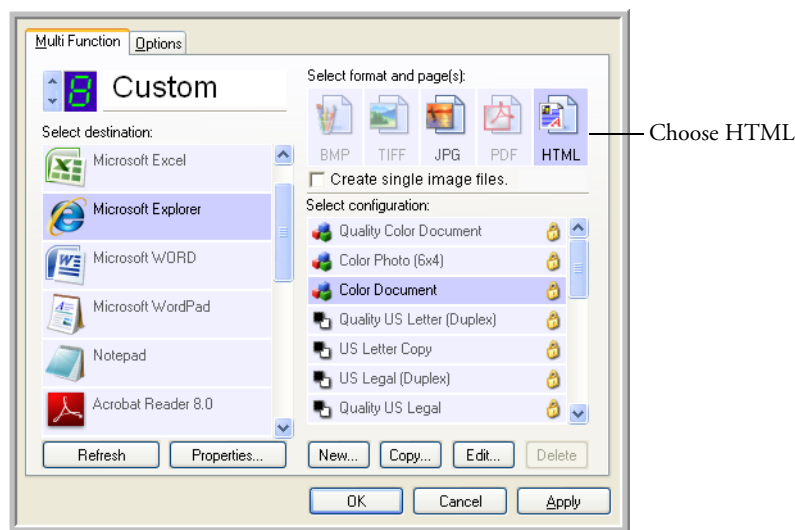
Choose HTML

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 OneTouch Properties window closes.

7. Insert the document into the Automatic Document Feeder.

8. Now on the OneTouch Button Panel, click Button 8 (or if you used another button, click it).

    When scanning is finished, the document is first converted to editable text using the OCR process, and 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.

Note: If you have OmniPage Pro installed on your computer, you may see a thumbnail of the page. Click on the thumbnail to see the full page.
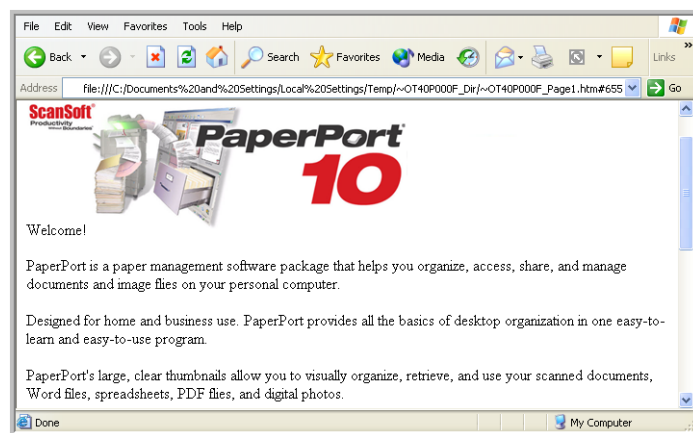
9. Choose **Save As** from the Internet Explorer **File** menu, give the page a name, and save it in the location you use for your web page files.

10. 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: OneTouch Button 7 is preset as your Archive button. But you can also 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 OneTouch Button Panel, click the OneTouch icon in the Windows system Tray, click the arrows to see Button 7, then click Button 7.
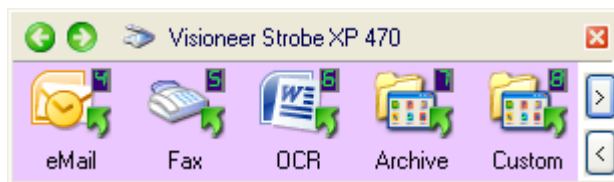
Click the arrows until Button 7 is on the panel, then click Button 7.

Your scanned pages are stored in the location that you specified on the OneTouch 4.0 Link Properties window.
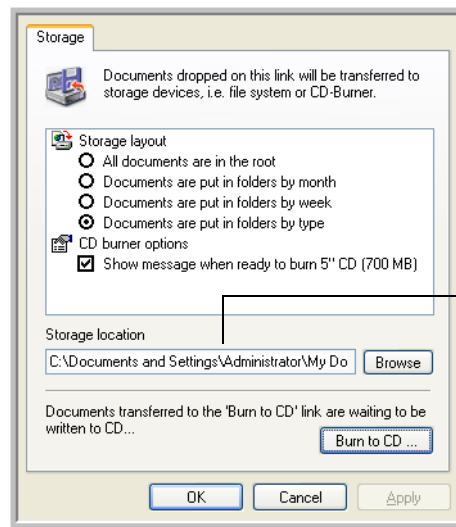
Your scanned documents will be stored at this location.

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 OneTouch Properties window.

2. Using the arrows, choose Button 7, 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.
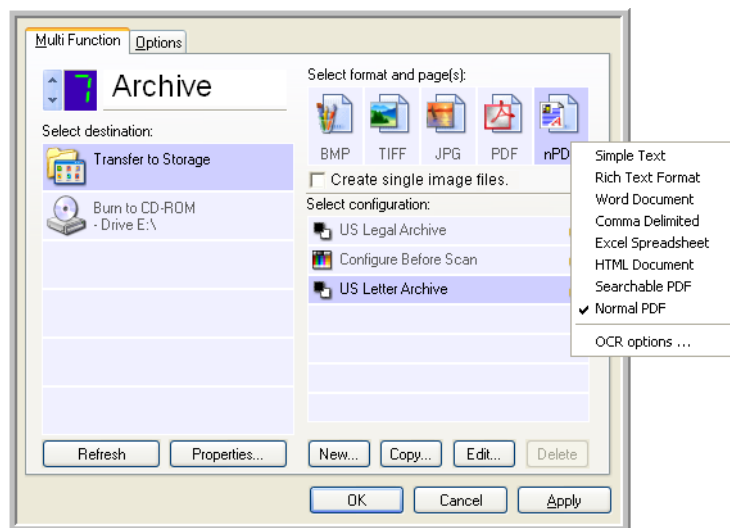
5. Choose a Scan Configuration.

6. Click **OK**.

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.

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 Folders" on page 67 or "Transferring Scanned Documents to Storage" on page 91 for the steps to select the Transfer to Storage options.

2. On either the OneTouch 4.0 Link Properties window, or from the Scan Configuration Properties window, click the **Browse** button.
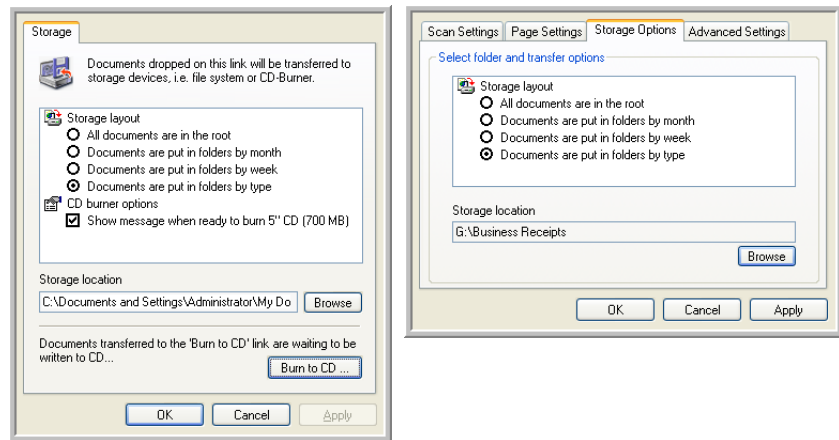
The Browse For Folder window opens.

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 location for storing documents

    My Computer
    ⊞ 3½ Floppy (A:)
    ⊞ Local Disk (C:)
    ⊞ LOCAL DISK (D:)
    ⊞ CD Drive (E:)
    ⊞ Local Disk (F:)
    ⊞ Engineering on 'Madrid' (Y:)
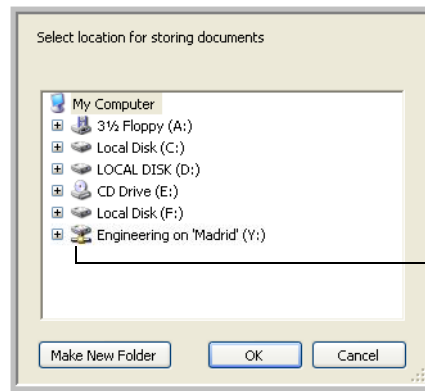
    Select a mapped drive or server as indicated by the icon.

    Make New Folder   OK   Cancel

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.

CHECKING THE HARDWARE AND SETTING THE LAMP POWER SAVE MODE

1. Right-click on the OneTouch icon and choose **Show Hardware** from the pop-up menu.
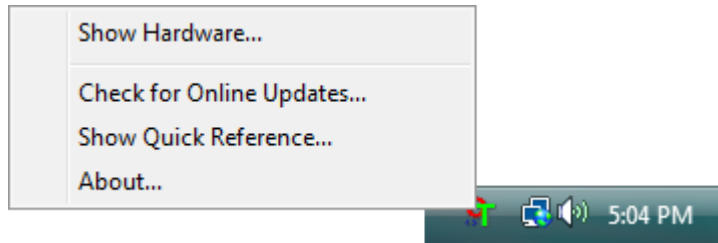
You can also click the scanner icon at the top of the OneTouch Button Panel.

The Hardware icon

If the Hardware View of the panel is open you can also right-click on the Patriot 470 (Strobe XP 470) icon.

The Hardware Properties dialog box opens and shows information about your Visioneer Patriot 470 (Strobe XP 470) scanner.
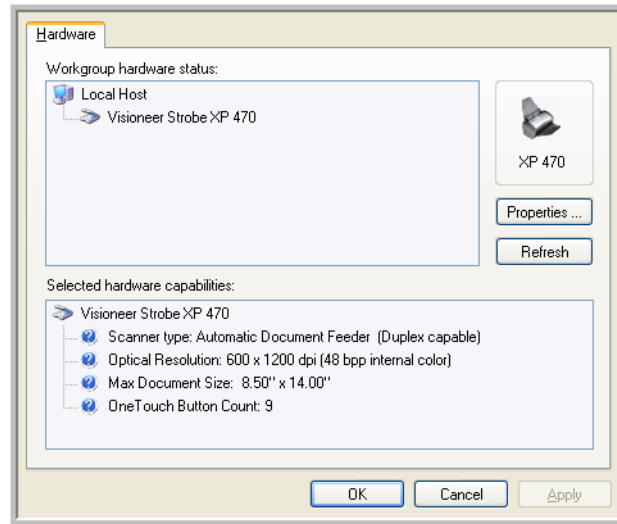
2. Click the **Properties** button.

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 10 minutes to a maximum of 10 hours.

3. Click the arrows for the Lamp time-out 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

You can scan from any TWAIN scanning application instead of scanning from the OneTouch buttons on your scanner or using the OneTouch button panel.

A Note About the TWAIN Standard

Your scanner uses the TWAIN interface to scan photographs and documents. TWAIN is a widely recognized standard that computers use to receive images from scanners, digital cameras, and other digital devices. The TWAIN scanning interface can be accessed from any TWAIN scanning application you have installed on the computer. Applications such as Nuance PaperPort and ArcSoft PhotoImpression, which were provided with your scanner, and many other applications, will use the TWAIN interface for scanning. This section specifically describes how to use the features of the TWAIN interface for scanning, however, the instructions in this section may use the PaperPort software as an example only.

Refer to the User Guide you received with your other scanning application for instructions on setting up that application to access the TWAIN interface. As previously stated, the scanning method is the same, but you will need to refer to your product's user guide for instructions on how to access the scanner and how file handling works.

Instructions for setting up the PaperPort software to access the TWAIN interface is provided in this User's Guide.

ACCESSING THE TWAIN INTERFACE

As previously stated, you can access the TWAIN interface from any TWAIN compliant scanning application. You can configure any of your OneTouch buttons to automatically open the TWAIN interface when you press a button on the scanner.

Below are instructions for accessing the TWAIN interface from OneTouch and from PaperPort.

Opening the TWAIN Interface from OneTouch

1. First choose a OneTouch function that you would like to change the scanning function for, in this example we used the option 9 button.

2. Press, hold down, then release the Simplex or Duplex button.

3. When the OneTouch Properties window opens, the scan option 9 tab will be the active function.

4. Under Select Configuration click on Configure Before Scan.

5. Right-Click on Configure Before Scan and make sure there is a check mark next to TWAIN.
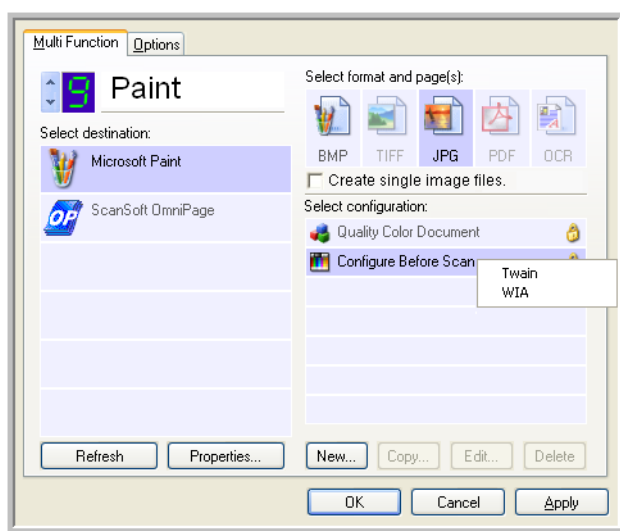
6. Click OK to save your changes and close the OneTouch Properties window.

7. Press the button on the scanner or click on the button on the OneTouch Panel.

8. The TWAIN interface will now open.
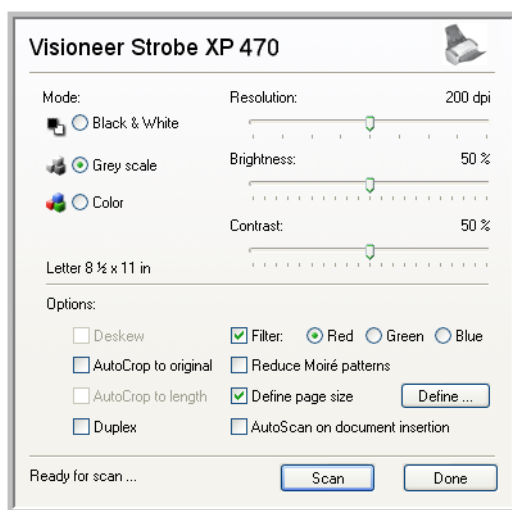
Note: If you choose to use OneTouch Configure Before Scan for scanning from the TWAIN interface, the final image will be sent to the destination application set for that button. Please see "Selecting New Settings for a Button" on page 38 for more information on OneTouch destinations.

Note: At this time the TWAIN interface is where you will adjust your scan settings. Please see the following section for adjusting the scan settings in the Basic and Advanced interfaces.

Opening the TWAIN Interface from PaperPort

1. Open the PaperPort software.

2. Select your TWAIN Visioneer Patriot 470 (Strobe XP 470) scanner in the Scan Pane.

   The first time you open PaperPort the software will prompt you to select your scanner, and the scanner will be in the list of available scanners. If you are not prompted, click on the "Select" button in the scan pane to select your scanner from the list of available scanners.

   If you do not see a Scan pane down the left side of the PaperPort window, click on the scan button on the toolbar. The scan button is on the PaperPort tool bar.
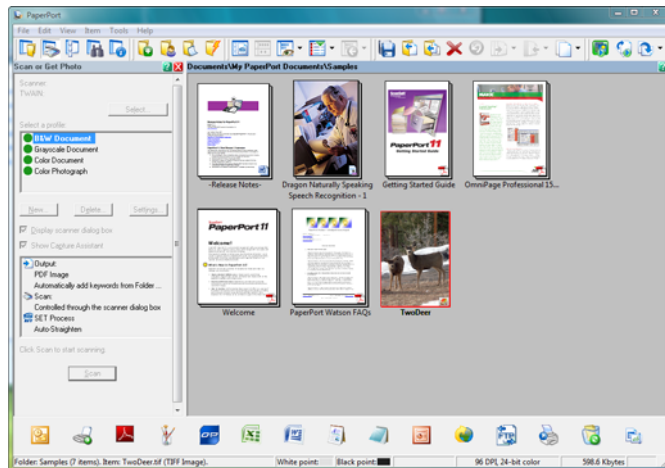
3. Now click on the Scan button in the scan pane window.

4. The TWAIN interface will now open.

Note: If the Scan button in the Scan pane is not active, or there is no scanner listed in the Scan Pane, you may need to setup PaperPort to access the scanner. Please see "Setting Up Your Scanner to Work With PaperPort" on page 109 for instructions on setting up PaperPort to work with the scanner.

THE TWAIN INTERFACE OPTIONS

This TWAIN interface is an example of the window you will see for your scanner. Some of the options on the window may not be available, and will be greyed out if they are not available with your scanner.
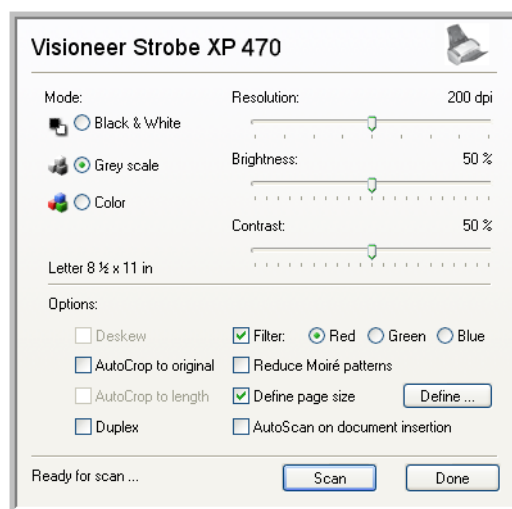
The options on the Visioneer Patriot 470 (Strobe XP 470) TWAIN interface are:

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.

> **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. 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 GrayScale Mode.

The original with a red watermark over black text.

The scanned item with the red filtered out.
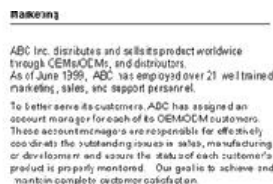
Reduce Moire Patterns—Moire patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations. Selecting **Reduce Moire Patterns** will limit or eliminate moire patterns in the scanned image. This option is only available from 50 to 200dpi.

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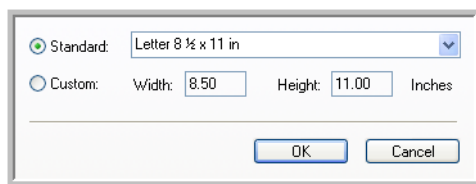
1. Click **Standard**, click the menu arrow and choose a page size from the list, or click **Custom** and enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters. Click the name of the units, inches or mm (millimeters),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

2. Click **OK**.

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

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

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

   AutoScan on document insertion—Your Visioneer Patriot 470 (Strobe XP 470) scanner includes AutoLaunch technology that senses when an item is inserted into the automatic document feeder and starts scanning immediately. Select this option to turn on the AutoLaunch feature. The item is scanned with the current scan settings on the TWAIN interface. If this option is not selected, the scanner waits for you to click the **Scan** button.

5. When you're ready to scan, align the documents between the Paper Guides and load them with their tops into the automatic document feeder. To scan a single side, insert the page *face down*. To scan both sides, either side can be face up.
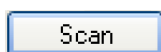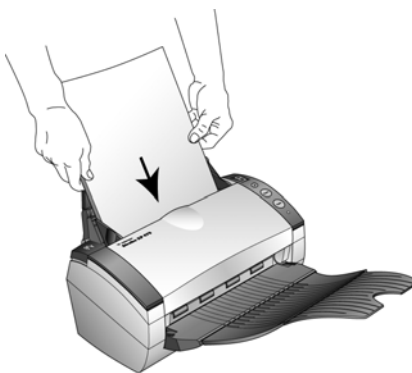
6. Click the **Scan** button (if the AutoScan feature is not turned on).

   The scanner starts scanning and a progress box opens.

7. When scanning is complete click on the **Done** button. The scanned images will be in your TWAIN scanning application.

If you are scanning in PaperPort, when scanning is complete, thumbnail images appear on the PaperPort Desktop.
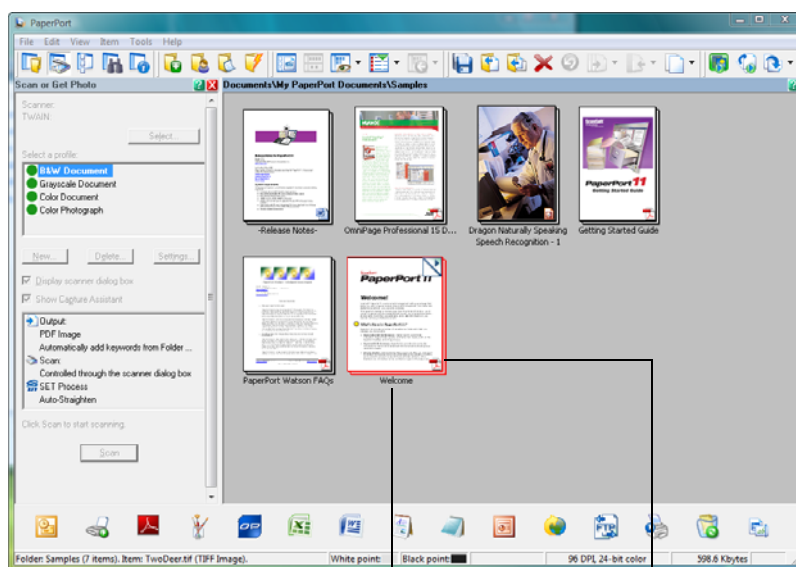
A thumbnail image of the scanned item appears on the PaperPort desktop.

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

ON THE PAPERPORT DESKTOP

Unless you changed it with the Settings option, the name of the scanned image is the day, date, and number of scanned items that day. For example, the second item scanned on a day is followed by a (2), the third by a (3) and so on. To change a name, click it to select its text and type a new name.

The thumbnail images of a stack of documents has "go to page arrows" at their top right corners so you can click to flip through the pages in the stack. The page counter underneath the thumbnail name shows which page you're viewing.

The small icon at the bottom right corner of the thumbnail image indicates the file format of the scanned item.

DISPLAY THE DEVICE CONFIGURATION

1. Click the **Visioneer Patriot 470 (Strobe XP 470)** 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 Save Mode" on page 96 for more information about the device settings.
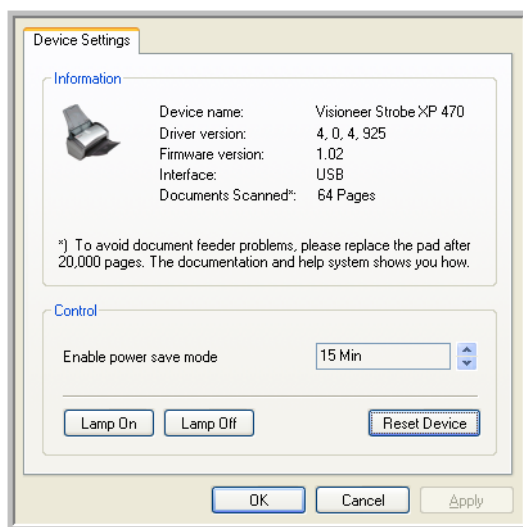
SETTING UP YOUR SCANNER TO WORK WITH PAPERPORT

When you selected a scanning option from the Scanner drop-down list, either **TWAIN: Visioneer Patriot 470 (Strobe XP 470)** or **WIA: Visioneer Patriot 470 (Strobe XP 470)** (Windows XP or 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 set up PaperPort to work with your scanner.
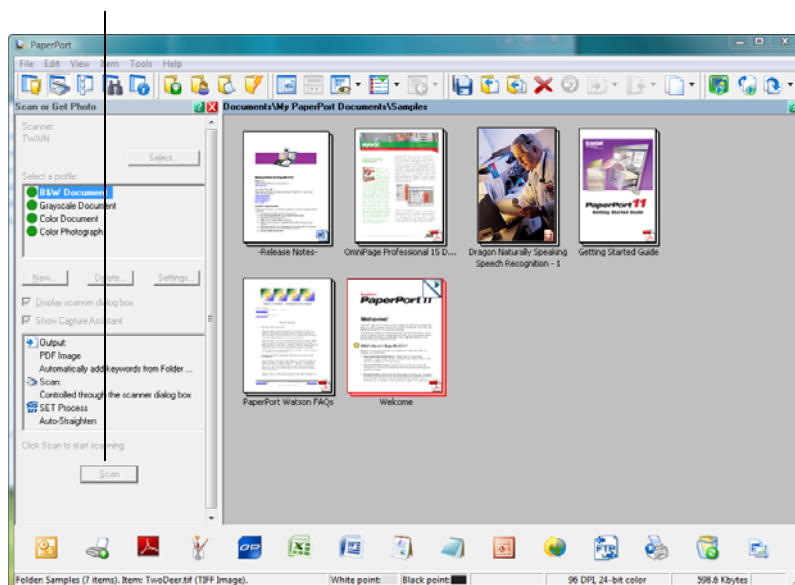
Note: Setting up your scanner is a one-time-only process for each option from the Scanner drop-down list. Therefore, you may have to set up your scanner once each for **TWAIN: Visioneer Patriot 470 (Strobe XP 470)** and **WIA: Patriot 470 (Strobe XP 470)**. The setup process, described below, is the same for each option. You will not have to set up the scanner again for an option unless you uninstall the scanner and PaperPort software, then re-install them.

To setup your scanner:

1. From the Scanner drop-down list, select one of the options, such as **Twain: Visioneer Patriot 470 (Strobe XP 470)**.

2. Click the **Setup** button.

    A window opens to begin the setup process.
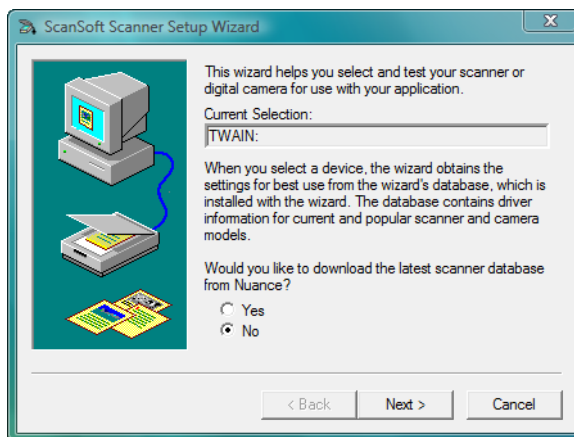
3. Click **Yes** then click **Next**.

    The next window offers you the option to run hardware diagnostics.
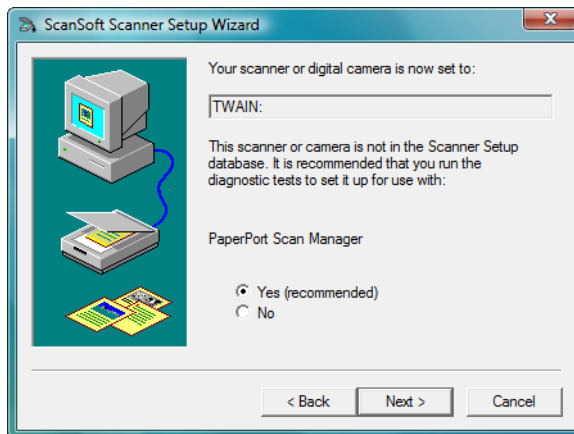
4. Click **Yes (recommended)** then click **Next**.

    The next window is for checking the connection between your
    scanner and the computer.
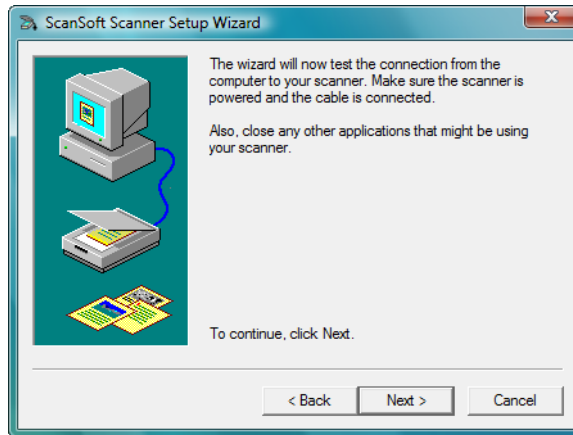
5. Click **Next**.

    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 OneTouch 4.0 software
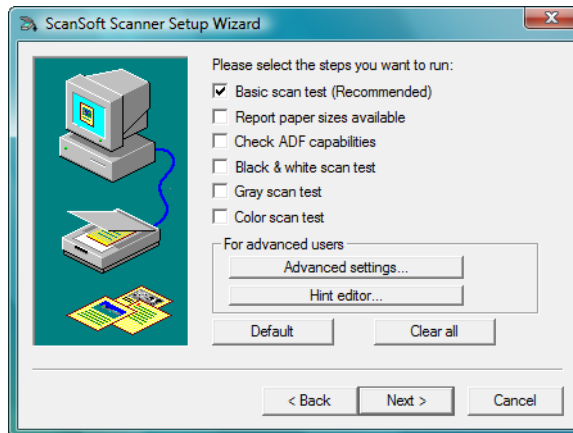
6. Click **Next**.

The TWAIN Interface opens.
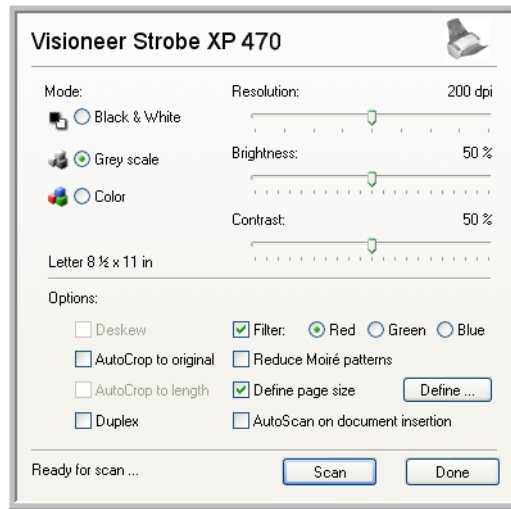
Note: If you are setting up the scanner for WIA, the WIA interface opens instead.

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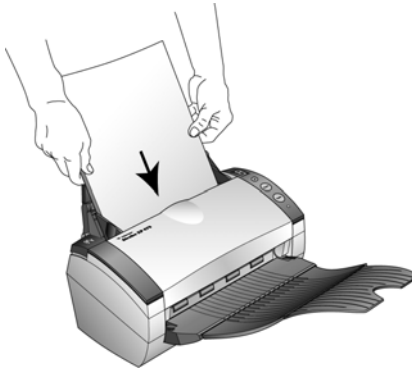
8. Click the **Scan** button on the TWAIN interface.

    The Setup Wizard runs the scan test.

    A message window opens that says "Basic scan test passed."

9. Click **Next** on the message window.

    The final Setup window opens to let you know the setup process is finished.
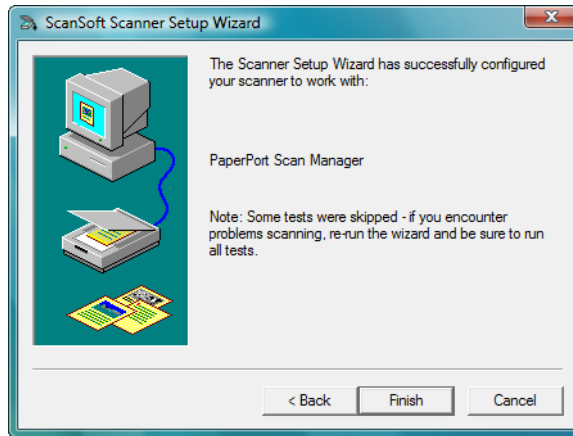
10. Click **Finish**.
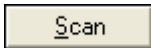
    Scan

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

Scanning with the Windows Image Acquisition

Microsoft Windows includes its own set of options—known as Windows Image Acquisition (WIA)—for acquiring images from scanners, digital cameras, and other digital devices.

The instructions in this section are for scanning using WIA on computers running Windows XP or Windows Vista. If your computer is running an earlier version of Windows, it cannot use WIA to scan.

Many Windows XP and Windows Vista applications have commands to access WIA, including PaperPort. To access WIA from PaperPort choose **WIA: Visioneer Patriot 470 (Strobe XP 470)** from the scanner selection list. See page 99.

This section shows how to use Microsoft Paint to scan using the WIA interface.

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 **All Programs**, point to **Accessories,** and then click **Paint**.

    The Paint window opens.

2. From the **File** menu choose **From Scanner or Camera**.
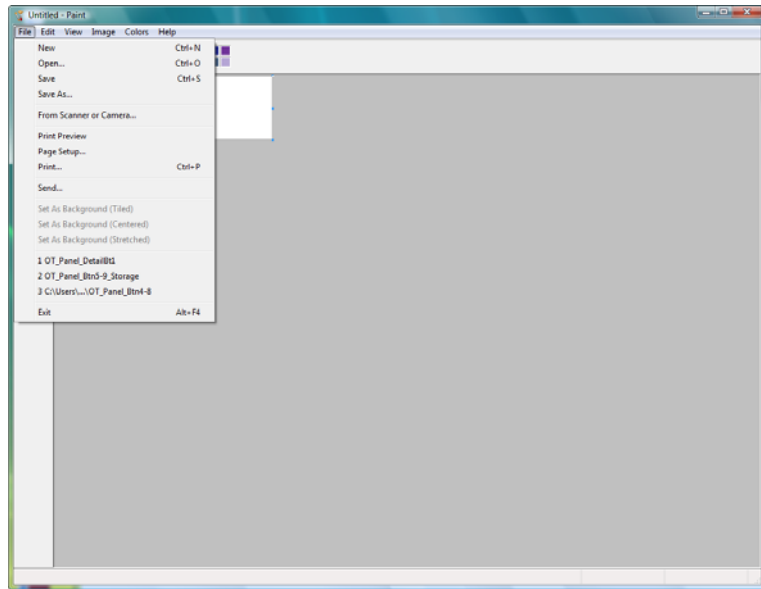
The scan window opens. Use this window to select scanning options and start the scan process.
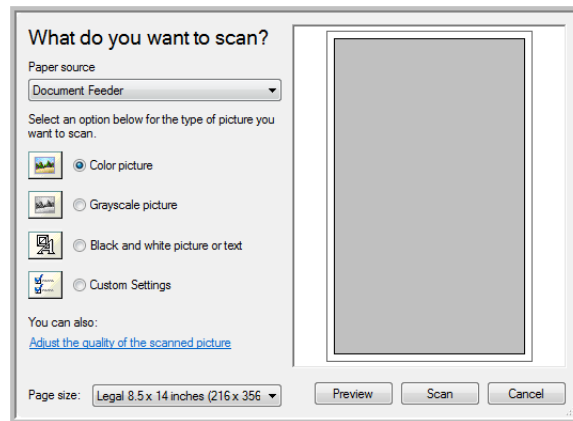
3. Click the button most appropriate for the item you're scanning.

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.

8. The scanned images will appear in Microsoft Paint (or other TWAIN application you're using).
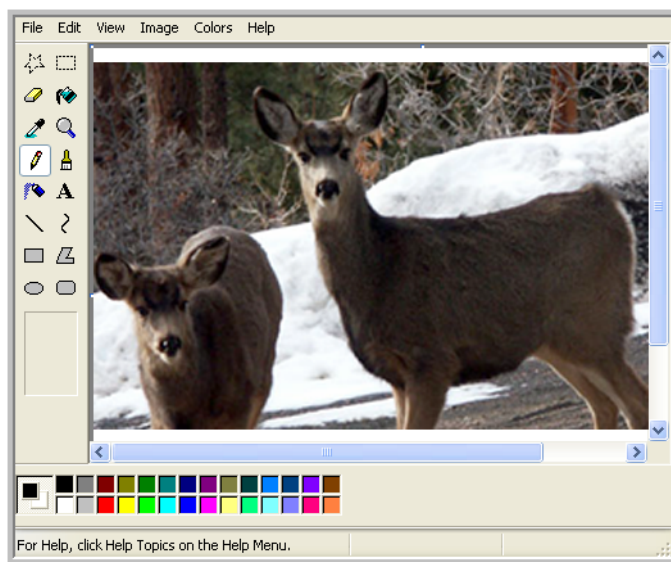
FINE TUNING YOUR SCANS

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

To select the scanner settings before you scan:
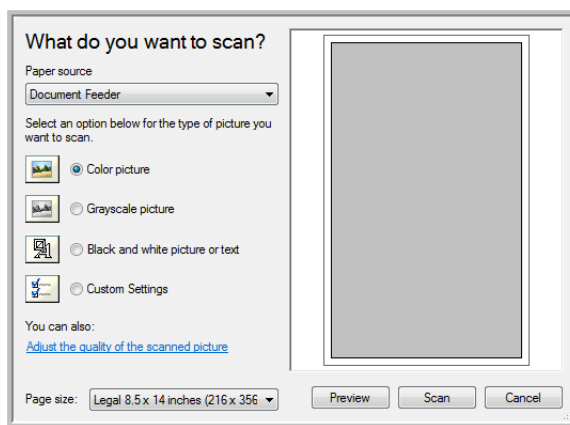
1. On the scan window, click **Adjust the quality of the scanned picture**.

   The Advanced Properties dialog box opens.
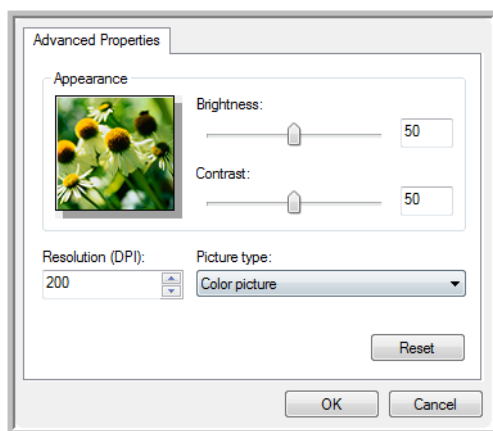
2.   Select the options for scanning.

   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**.

SCANNING WITH THE ISIS INTERFACE

You can use the ISIS interface from QuickScan or any other application that will access the ISIS driver. Note that the ISIS interface for each application varies depending on the application. Please refer to that software application's User Guide for instructions on scanning with the ISIS interface. The QuickScan User's Guide is available on the **Disc 1** CD that you received with the scanner.

ACCESSING THE ISIS INTERFACE IN QUICKSCAN

Open the QuickScan software to access the ISIS driver scanning options.

The Scanner Selection dialogue box should open. Select your scanner from the list of scanners and click on OK.

Your scanner is now ready to work with the QuickScan ISIS driver.

Maintenance

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

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 left of the scanner body to open the automatic document feeder cover.
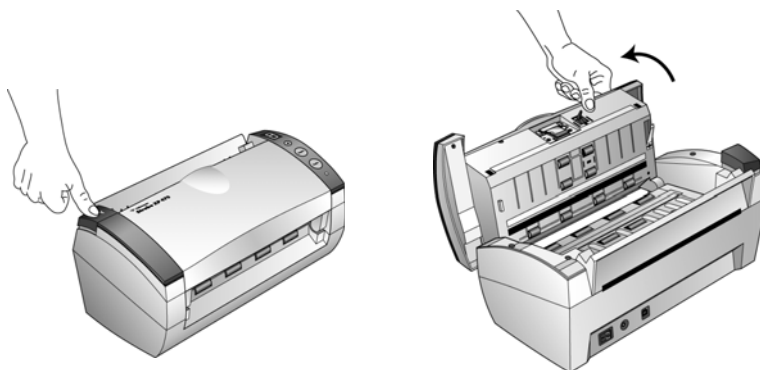
3. Wipe the feed roller from side to side. Rotate the roller to clean its entire surface.

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 pad from top to bottom. Be careful not to snag the swab on the springs on either side of the pad.

5. Close the cover when you're finished.

CLEARING PAPER JAMS

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

To clear a paper jam:

1.   Press the ADF cover release on the top-left of the scanner body to open the automatic document feeder cover.
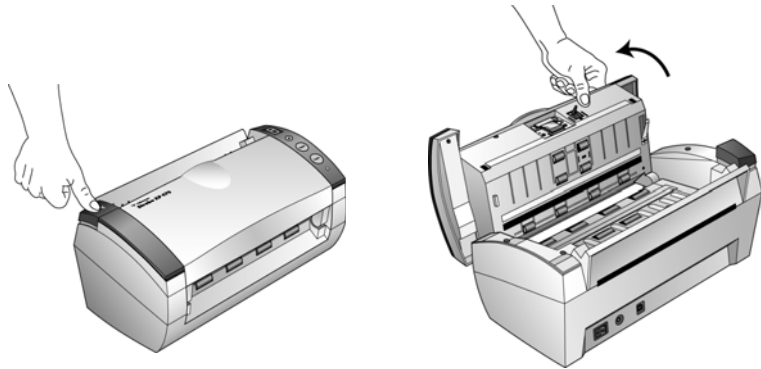
2.   Remove the jammed paper and close the cover.
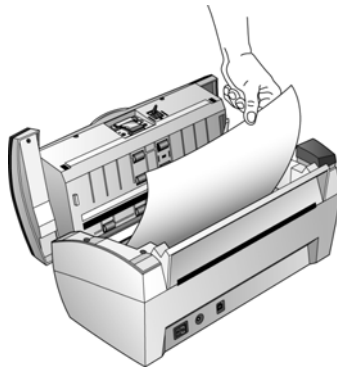
To reduce the number of paper jams, smooth and straighten the paper before scanning and adjust the guides to the paper size.

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.
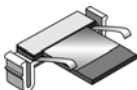
See the "Visioneer Patriot 470 (Strobe XP 470) Scanner Parts List" on page 130 for ordering information.

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.
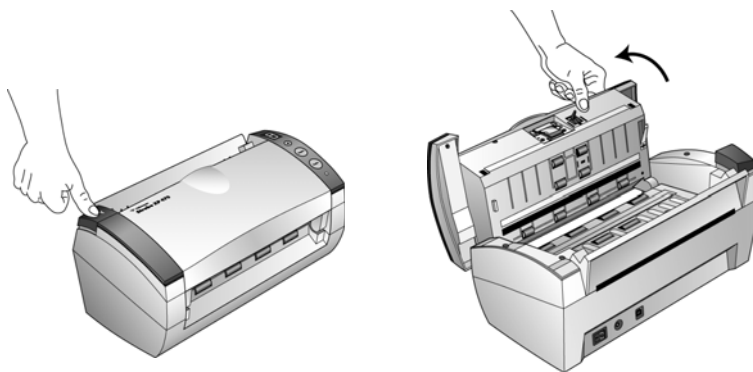
2. Squeeze the plastic clamps that hold the pad assembly in place and lift the pad up and out
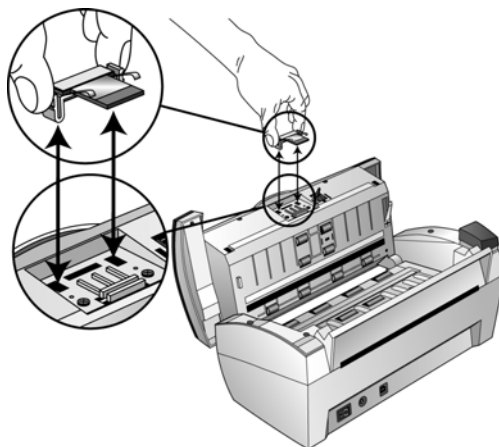
3. Reverse the procedure to replace the new pad into its slots.

TROUBLESHOOTING

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. Also visit our web site at www.visioneer.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 scanning source in the PaperPort Scan Pane?** If you use multiple devices with your computer, you may have selected another source for images. Start the PaperPort software and click the **Scan** icon, then make sure **Visioneer Patriot 470 (Strobe XP 470)** 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: The installation will not complete successfully. If installation finishes, the scanner's OneTouch 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 OneTouch options, and you need to remove those other drivers and re-install your Visioneer Patriot 470 (Strobe XP 470) 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 "How to Uninstall Your Scanner" on page 127, but in Step 3, instead of uninstalling OneTouch 4.0, uninstall the other scanner's driver programs. After uninstalling the other scanner's driver programs, uninstall OneTouch 4.0 using the steps on page 127, then reinstall it using the steps on page 7.

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 the error code number.

The LED blinks back and forth between "E" and the error code number (such as 6).

The red light flashes the number of times as the error code (6 in this example).
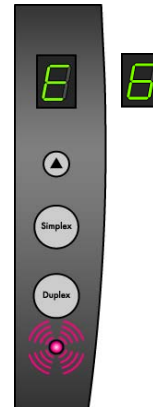
The E-code number indicates what the hardware issue is. Use the table listed on the next page as a reference for resolving hardware issues.

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 to the wall.

Error Code	Problem Description	Solution
0	Scanner is not connected to the computer. (The LED does not flash "E" and the status light remains green.)	A cable may be loose. Check that the scanner's cables are correctly attached to the computer. Try plugging the scanner into a different USB port on the computer. If the scanner still does not connect, re-boot the computer.
4 or 5	The scanner lamp is either turned off or the lamp has not warmed up enough to initiate scanning.	In the OneTouch hardware properties turn the scanner lamp on. See page 96 for instructions. If the lamp is already turned 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's cover is open.	Close the scanner cover and make sure it attaches completely.
7 or 8	The lamp in the scanner body or the ADF portion of the scanner has malfunctioned.	Make sure that the lamp has not been turned off manually. See the steps on page 96 to turn the lamp on and off. Re-boot your computer. If the problem persists, contact Visioneer Technical Support.
9	Paper jam	Open the ADF cover and remove the jammed page. See "Clearing Paper Jams" on page 121.
All Other Codes	An internal part in the scanner may have malfunctioned.	Re-boot your computer. If the problem persists, contact Visioneer Technical Support.

HOW TO UNINSTALL YOUR SCANNER

To uninstall the Visioneer Patriot 470 (Strobe XP 470) scanner, remove the OneTouch 4.0 scanner software, PaperPort, or any other software provided with the scanner.

UNINSTALLING THE SCANNER AND ONETOUCH SOFTWARE

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 OneTouch 4.0 then click the **Remove** or **Uninstall** button.

4. Click **Yes** when asked to confirm that you want to remove this software program.

5. Follow these same steps to select and remove the **Kofax Virtual ReScan 4.10** and **OneTouch 4.0 ScanSoft OmniPage OCR** modules from the installed programs list.

6. The OneTouch 4.0 software and all optional modules are now removed from your computer.

7. **Unplug the scanner USB cable.**

8. Close all open windows and reboot (restart) your computer.

UNINSTALLING THE PAPERPORT SOFTWARE AND OMNIPAGE SOFTWARE

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** or **Uninstall**.

4. An "Add or Remove" message box opens and asks if you are sure you want to remove the software from your computer. Click **Yes**.

    The PaperPort and/or OmniPage software is removed from your computer.

5. Close all open windows and reboot (restart) your computer.

TO INSTALL ANOTHER DRIVER

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 OneTouch 4.0 driver.

    a. Open the Windows Control Panel.

    b. Double-click the **Add or Remove Programs** icon.

    c. Select OneTouch 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 OneTouch 4.0 from your computer. Click **Yes**.

    The OneTouch 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.
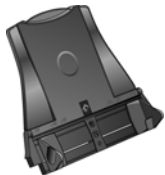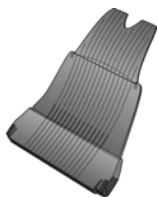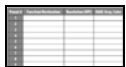
Note: The OneTouch 4.0 driver is required for the scanner's buttons to function. If you select a driver without OneTouch 4.0, the scanner buttons will not initiate scanning.

VISIONEER PATRIOT 470 (STROBE XP 470) SCANNER SPECIFICATIONS

Optical resolution	600 x 1200 dpi
Bit depth	48-bit color (internal)
Maximum item size	8.5" x 14"
Minimum item size	3.5" x 2" (automatic document feeder)
Scan method	Automatic document feeder (ADF)
ADF specifications	
Scanning Speed	Up to 33 pages per minute.
	Up to 66 images per minute @ 200 dpi B&W
Capacity	50 sheets
Paper Thickness	16 - 28 lbs. (0.002" - 0.006")
Light source	Cold cathode fluorescent lamp
Interface	USB 2.0 High Speed
Scanner dimensions	
Height	12.5 inches (31.75 cm)
Width	13.25 inches (33.66 cm)
Length	17 inches (43.18 cm)
Weight	8.6 pounds (3.91 kg)
Operating temperature	50°–104° F (5°–35° C without condensation)
Relative humidity	40%–70% (@35° C without condensation)
Power adaptor	DC Jack, 24Vdc/2.0A (48W), 100-240Vac, Energy Star and RoHS compliant
Power consumption	< =40 Watts (during operation); < = 25 Watts (on standby); < = 6 Watts (power save after 15 minutes without scanning, can be adjusted by software); < = 1 Watt (power off)
Power cord	AC, US, 3P, 10A/125V, 180 cm, 3C, 18AWG, RoHS compliant
USB cable	185 cm, 28AWG, with core, RoHS compliant
Safety and agency certifications	UL, C-UL, FCC Class B, CE

VISIONEER PATRIOT 470 (STROBE XP 470) SCANNER PARTS LIST

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

	Part Name	Part Number
	Paper Guide	57-0104-000
	Output Tray	57-0105-000
	ADF Pad	57-0103-000
	USB Cable	35-0107-000
	AC Power Cord	35-0103-000
	Power Supply	37-0076-000
	Buttons Label	09-0631-000

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