



PATRIOT™ P90
User Guide

SCANNER USER'S GUIDE

VISIONEER® PATRIOT™ P90

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This product is covered by one or more of the following patents: 6,064,778, 6,480,304, 7,715,061, 10/838,364, 7,397,587.WO 02/25571, 7,617,985, 11/140,653, 10/787,912

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VISIONEER'S LIMITED PRODUCT WARRANTY

Please go to www.visioneer.com, select your product, and then click the "Warranty Program" link to view the warranty terms and conditions for your scanner.

RESTRICTED RIGHTS LEGEND

Use, duplication, or disclosure is subject to restrictions as set forth in contract subdivision (c)(1)(ii) of the Rights in Technical Data and Computer Software Clause 52.227-FAR14. Material scanned by this product may be protected by governmental laws and other regulations, such as copyright laws. The customer is solely responsible for complying with all such laws and regulations.

ROHS AND WEEE COMPLIANCE

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

UNITED STATES (FCC REGULATIONS)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses,

and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

Changes and modifications to this equipment not specifically approved by Visioneer may void the user's authority to operate this equipment. Shielded cables must be used with this equipment to maintain compliance with FCC regulations.

ENERGY STAR FOR THE USA

Energy Program compliance

As an ENERGY STAR® partner, Visioneer Inc. has determined that this product meets the ENERGY STAR guidelines for Imaging Equipment. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. The ENERGY STAR Imaging Equipment Program is a team effort between the U.S., European Union and Japanese governments and the office equipment industry to promote energy-efficient copiers, printers, fax, multifunction machine, personal computers, and monitors. Reducing product energy consumption helps combat smog, acid rain and long-term changes to the climate by decreasing the emissions that result from generating electricity.



VISUAL DISPLAY

Warning: This device is not intended for use in the direct field of view at visual display workplaces. To avoid incommoding reflections at visual display workplaces, this device must not be placed in the direct field of view.

CLASS 1 LED

This machine is certified as Class 1 LED product. This means that this machine does not produce hazardous laser radiation.

PRODUCT RECYCLING & DISPOSAL

If you are managing the disposal of your Visioneer® product, please note that the product may contain lead, mercury, Perchlorate, and other materials whose disposal may be regulated due to environmental considerations. The presence of these materials is fully consistent with global regulations applicable at the time that the product was placed on the market. For recycling and disposal information, contact your local authorities. In the United States, you may also refer to the Electronic Industries Alliance web site: <http://www.eiae.org>.

Perchlorate Material - This product may contain one or more Perchlorate-containing devices, such as batteries. Special handling may apply, please see: <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>.

SAFETY

Notices and Safety

Please read the following instructions carefully before operating the machine and refer to them as needed to ensure the continued safe operation of your machine.

Your Visioneer® product and supplies have been designed and tested to meet strict safety requirements. These include safety agency evaluation and certification, and compliance with electromagnetic regulations and established environmental standards.

WARNING: The safety and environment testing and performance of this product have been verified using Visioneer® materials only. Unauthorized alterations, which may include the addition of new functions or connection of external devices, may impact the product certification. Please contact your Visioneer representative for more information.

Operational Safety Information

Your Visioneer® equipment and supplies have been designed and tested to meet strict safety requirements. These include safety agency examination, approval, and compliance with established environmental standards.

To ensure the continued safe operation of your Visioneer® equipment, follow these safety guidelines at all times:

Do these:

- Always follow all warnings and instructions that are marked on or supplied with the equipment.
- Always use materials specifically designated for this product, the use of other materials may result in poor performance and create a hazardous situation. Do not use aerosol cleaners, they may be explosive and flammable under certain conditions.
- Always exercise care when moving or relocating equipment.
- Always locate the machine on a solid support surface that has adequate strength to support the weight of the machine.
- Always locate the machine in an area that has adequate ventilation and room for servicing.
- Always unplug this equipment from the electrical outlet before cleaning.

Do not do these:

- Never attempt any maintenance function that is not specifically described in this documentation.
- Never remove covers or guards that are fastened with screws. There are no operator serviceable areas within these covers.
- Never locate the machine near a radiator or any other heat source.
- Never override or "cheat" any of the electrical or mechanical interlock devices.

Emergency Power Off

If any of the following conditions occur, turn off the scanner immediately and disconnect the power cable(s) from the electrical outlet(s).

- The equipment emits unusual odors or makes unusual noises.
- The power cable is damaged or frayed.
- A wall panel circuit breaker, fuse, or other safety device has been tripped.
- Liquid is spilled into the machine.
- The machine is exposed to water.
- Any part of the machine is damaged.

Maintenance Information

- Any operator product maintenance procedures will be described in the user documentation supplied with the product.
- Do not carry out any maintenance on this product which is not described in the customer documentation.
- Do not use aerosol cleaners. The use of cleaners that are not approved may cause poor performance of the equipment, and could cause a dangerous condition.
- Use supplies and cleaning materials only as directed in this manual.
- Do not remove covers or guards that are fastened with screws. There are no parts behind these covers that you can maintain or service.
- Do not perform any maintenance procedures unless you have been trained to do them by an authorized local dealer or unless a procedure is specifically described in the user manuals.
- Never place this equipment where people might step on or trip on the power cord.

TABLE OF CONTENTS

| | |
|---|-----------|
| Welcome | 7 |
| What's in the Box | 7 |
| System Requirements | 7 |
| Documentation | 8 |
| The Visioneer® Patriot™ P90 Scanner Features | 9 |
| Scanner Setup | 11 |
| Connect the Power Cord | 12 |
| Installation | 13 |
| Install the Software and Connect the Scanner | 13 |
| Installing the Scanner Driver | 15 |
| Connect the USB Cable and Turn on the Power | 16 |
| Installing Visioneer OneTouch | 18 |
| Installing Additional Applications | 19 |
| View the User Guides | 20 |
| Register Your Scanner | 20 |
| Loading Documents to Scan | 23 |
| Supported Document Types | 23 |
| Documents to Avoid Scanning | 24 |
| Unsupported Document Types | 24 |
| Scanning from the Automatic Document Feeder (ADF) | 25 |
| Preparing Documents for Scanning | 25 |
| Loading Documents | 26 |
| Scanning Plastic Cards or Thick Paper | 28 |
| Scanning Interfaces | 28 |
| Maintenance | 31 |
| Safety Precautions | 31 |
| Hardware Properties | 32 |
| Device Settings | 32 |
| Driver Settings | 34 |
| Clearing Paper Jams | 35 |
| Cleaning the Scanner | 36 |
| Cleaning the Outside of the Scanner | 36 |

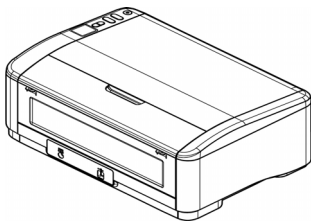
| | |
|--|-----------|
| Cleaning the Inside of the Scanner..... | 36 |
| Cleaning the ADF Rollers | 36 |
| Cleaning the Scanner Glass and Background Plates | 38 |
| Cleaning the Paper Sensors..... | 39 |
| Cleaning the DFD Sensor..... | 40 |
| Replacing the Rollers | 41 |
| Replacing the Pick-Up Rollers..... | 42 |
| Replacing the ADF Roller | 43 |
| Replacing the Reverse (Separation) Roller..... | 45 |
| Troubleshooting | 48 |
| Error Light Troubleshooting Codes | 51 |
| Uninstalling Your Scanner | 53 |
| Visioneer® Patriot™ P90 Specifications..... | 54 |
| Visioneer® Patriot™ P90 Parts List..... | 56 |
| Appendix A: Copy Regulations | 55 |
| United States..... | 57 |
| Canada | 58 |
| Other Countries | 59 |

WELCOME

Your new Visioneer® scanner can quickly scan stacks of single-sided or double-sided pages and place their electronic images on your computer.

WHAT'S IN THE BOX

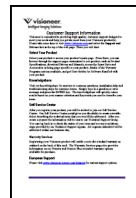
Before proceeding, check the contents of the box. If items are missing or damaged, contact the dealer where you purchased the scanner.



Visioneer® Patriot™ P90



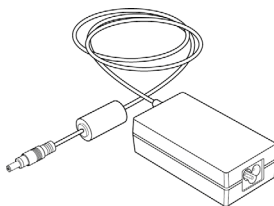
Quick Install Guide



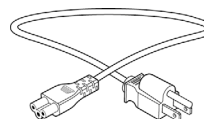
Technical Support Card



USB 3.1 Gen 1 Cable



Power Supply



Power Cord

SYSTEM REQUIREMENTS

- Intel Core i3 (2.1GHz) or higher
- Internet access (for installation only)
- Universal Serial Bus (USB) port
- Microsoft® Windows® operating system:

- 32-bit or 64-bit Windows 7
- 32-bit or 64-bit Windows 8.x
- 32-bit or 64-bit Windows 10
- 2 gigabyte (GB) or 4 gigabyte (GB) internal memory (RAM)
- Minimum available hard disk space:
 - 350 MB for the scanner driver
 - 750 MB for Visioneer OneTouch
 - 1 to 2 GB for each additional application
- Monitor (recommended settings):
 - Color quality of 16-bit or 32-bit
 - Resolution set to at least 800 x 600 pixels

Refer to your Windows documentation for instructions on setting the color quality and resolution for the monitor.

DOCUMENTATION

The following printed documentation is provided in the box:

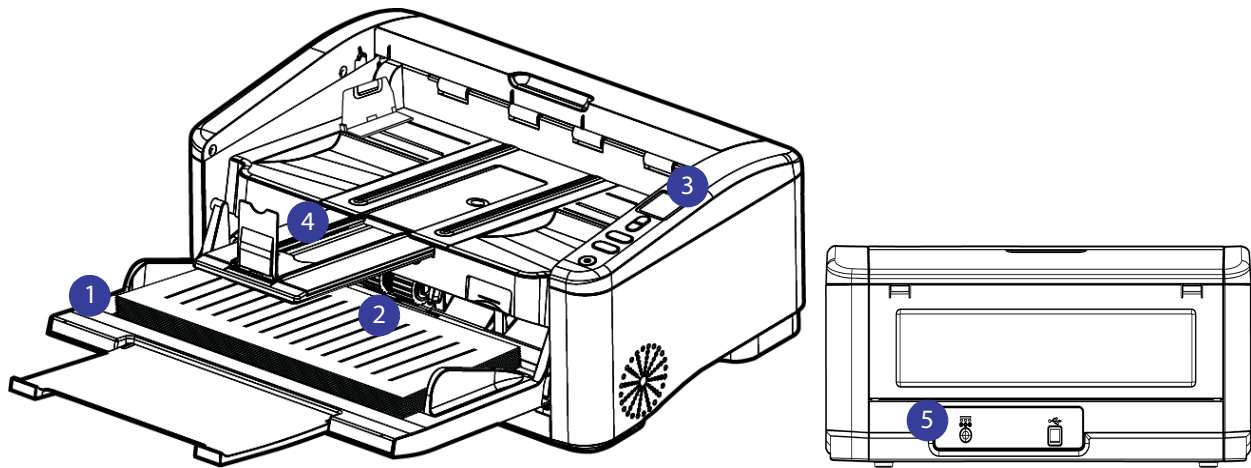
- **Installation guide**—abbreviated scanner setup and installation instructions.
- **Technical support card**—contact information for technical support and customer service, and a brief overview of our standard product warranty.

The following soft-copy documentation is available online:

- **Scanner user guide**—instructions for scanner setup, installation, operation, maintenance, safety, and warranty
- **OneTouch scanning guide**—instructions for configuring and scanning using OneTouch
- **TWAIN Scanning guide**—instructions for accessing and scanning using the TWAIN interface
- **Patch code sheets**—use with an application that supports detection of patch code data when using the TWAIN interface. The patch code page layouts have been specifically designed for your scanner. The file contains Patch 1 layouts for A4 and U.S. Letter size pages.

Make sure you print the correct page size for the paper in your printer. Also, make sure the application you are using is not set to automatically scale the page to fit on the paper in your printer.

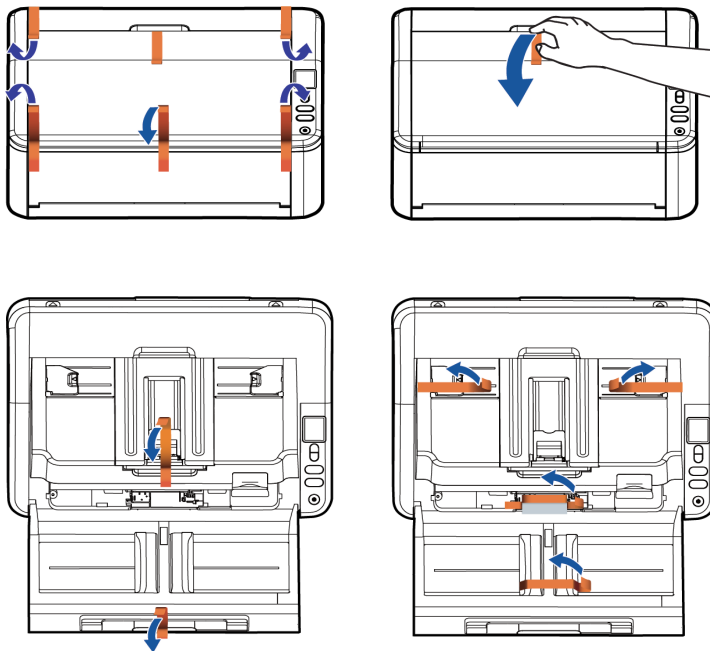
THE VISIONEER® PATRIOT™ P90 SCANNER FEATURES



1. **Input Tray**—Holds the documents in the Automatic Document Feeder for scanning.
 - **Extension**—Pull out to support various document lengths.
 - **Paper Guides**—Slide to adjust to document width.
2. **Automatic Document Feeder**—Feeds documents through the scanner during scanning.
 - **ADF Cover Release**—Press to open the Automatic Document Feeder.
3. **Control Panel**—OneTouch scanning controls.
 - **LCD Screen**—Shows the current scan settings.
 - **Up/Down Buttons**—Press to change the number on the LCD screen indicating the scan-to-destination.
 - **Power Button**—Press to turn on the power.
 - **Simplex Button**—Press to scan single-sided documents.
 - **Duplex Button**—Press to scan double-sided documents.
4. **Output Tray**—Holds documents after being scanned.
 - **Paper Stop (Short Documents)**—Flip up to keep short items stacked neatly in the output tray after scanning. Slide to adjust to the length of the scanned documents.
 - **Extension**—Flip out to support various document lengths.
 - **Paper Stop (Regular Documents)**—Flip up to keep regular documents stacked neatly in the output tray after scanning.
5. **Connections**—Scanner connection ports.
 - **Power Jack**—Connect the power cord to the scanner.
 - **Universal Serial Bus (USB 3.1 Gen 1) Port**—Connect the scanner to the computer via the USB 3.1 Gen 1 cable.

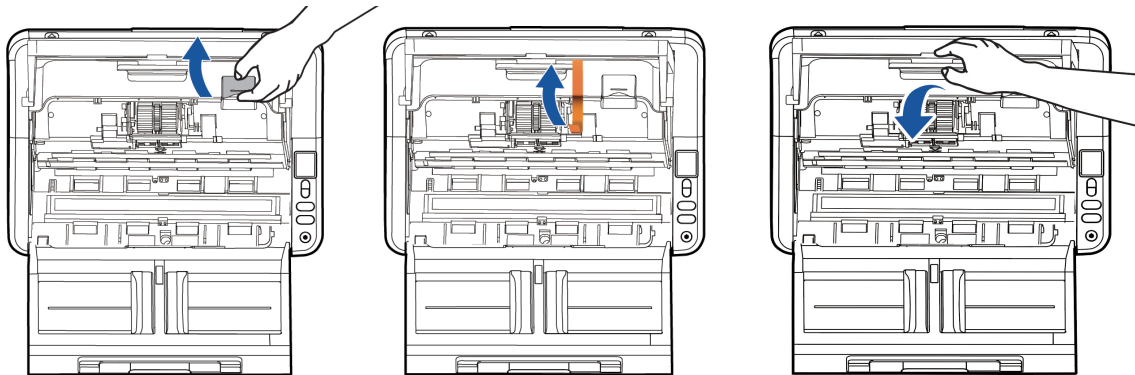
SCANNER SETUP

1. Remove the scanner from its protective foam and plastic bag.
2. Remove any shipping tape from the scanner as indicated in the following illustration(s).



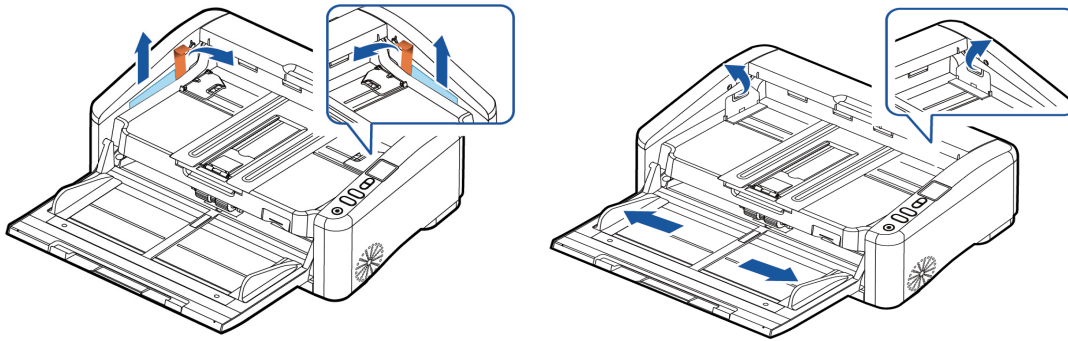
The above illustrations are for example purposes only. Your scanner's packaging may vary slightly.

3. Lift the ADF cover up from the scanner. Remove any shipping tape. Close the ADF cover.



The above illustrations are for example purposes only. Your scanner's packaging may vary slightly.

4. Remove any tape or protective foam from inside the feeder. Adjust the paper guides as needed.

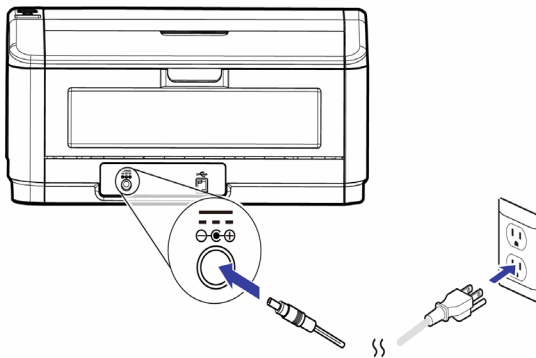


The above illustrations are for example purposes only. Your scanner's packaging may vary slightly.

CONNECT THE POWER CORD

Note: Only use the power supply included with your scanner. Connecting any other type of power supply may damage your scanner, and will void its warranty.

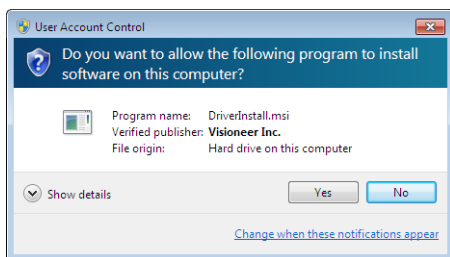
1. Plug the power supply into the power port on the scanner.
2. Plug the power cord into the power supply and into a wall outlet.



INSTALLATION

Please make sure of the following before you begin installation:

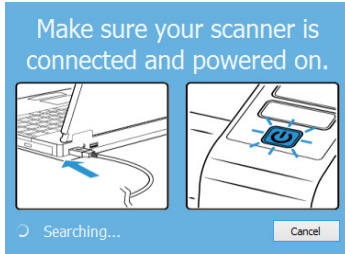
- If you are prompted to reboot during installation, please select “No”. Finish installing the rest of the software, then close all open windows and reboot your computer.
- The information in this guide may cover software not provided with the scanner you purchased. Please disregard any information about the software not applicable to your scanner.
- If your computer has AntiVirus or AntiSpyware software running, you may encounter alerts or messages during installation asking you to allow the installation to proceed. Although the messages will differ based on the software your computer is running, in each case you should allow the installation to proceed if that option is available. Alternatively, you can turn off the AntiVirus or AntiSpyware software before installing your scanner, but if you do, make sure to turn it back on again when installation is finished.
- If your computer is running Windows 7 or later, you may see the Windows User Account Control screen asking you to confirm system changes. Click the Yes button to allow the installation to proceed.



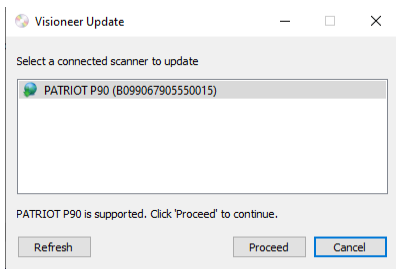
INSTALL THE SOFTWARE AND CONNECT THE SCANNER

1. Start Microsoft Windows and make sure that no other applications are running.
2. Go to www.visioneer.com/install.
3. Launch the installer once the download is complete.

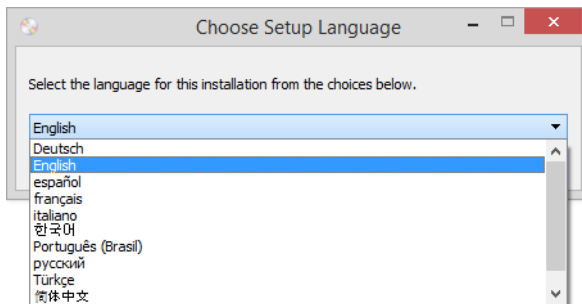
4. Plug the USB cable into the USB port on the scanner then into a USB port on the computer. Turn on the scanner power.



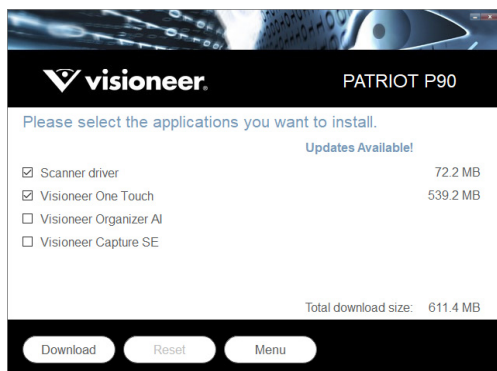
5. Click **OK**.
6. Select your scanner from the list.



7. Click **Proceed**.
8. The Select Language window opens. Click the drop-down menu arrow and select the language to use. Click **OK**.



9. Make sure the boxes for **Scanner Driver** and **Visioneer OneTouch** are selected, as well as any other applications you want to install.



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

10. If a version of the software is already installed on the system, the option will be greyed out. However, if there is a newer version available, it will be possible to download and install.
11. The software will have to first be downloaded by clicking **Download**. The total size of the download is shown at the bottom.
12. After the download has begun, it can be paused. If changes to the selections are required, it is necessary to click **Reset** while the download is paused. This will allow the settings to be changed.

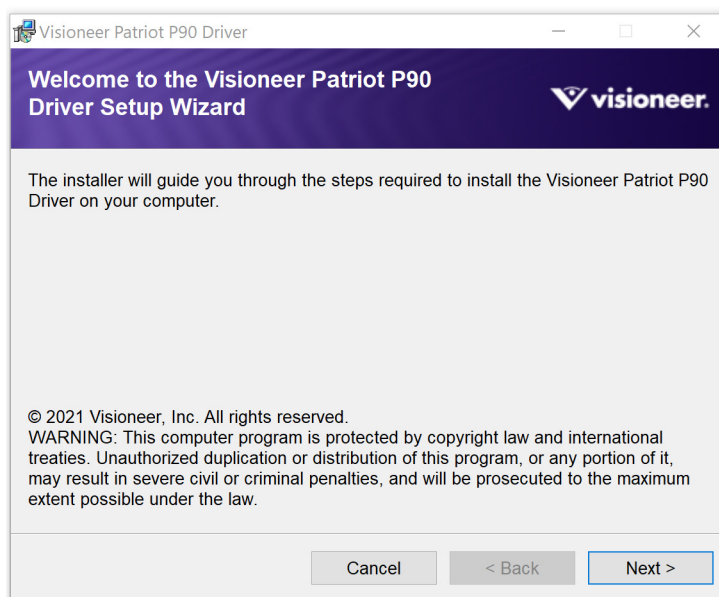
Note: Clicking the Reset button in either the Main menu or the Install menu will cause both partially completed and previously downloaded files to be deleted. In order to be installed they will have to be downloaded again.

13. Once all software has been downloaded, click **Install**.

Installing the Scanner Driver

The scanner driver installation will start first.

1. The Welcome screen for the scanner driver Setup Wizard opens. Click **Next**.



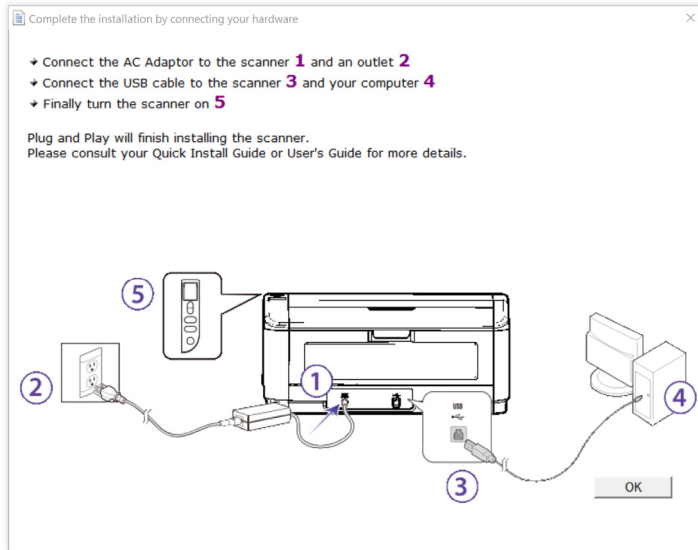
Note: there may be an option in the installation window to remove any current scanning profiles. You will see this prompt if you already have a previous version of the scanner driver installed. Select the option in the installation window only if you want the existing profiles *removed*.

2. On the 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, click **Cancel**. Click **Close** on the Installation Interrupted window.

3. The software will now be installed.

4. **Stop** when you see the “Complete the installation by connecting your hardware” window. Do not click **OK** yet. Leave the window open and proceed to the next section.

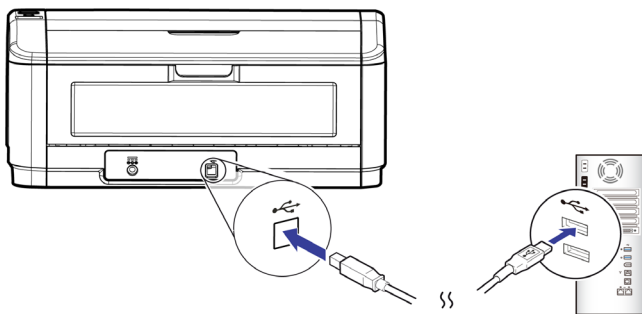


Note: If you do not see this on-screen diagram for connecting the scanner, stop and follow the instructions below.

Connect the USB Cable and Turn on the Power

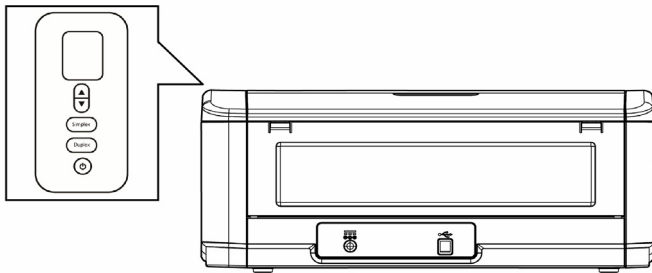
If you did not connect the scanner earlier, proceed with the instructions below.

1. Remove any tape from the USB cable.
2. Plug the USB cable into the USB port on the scanner then into a USB port on the computer. Check your computer's manual for USB port locations.



If the plug does not attach easily, make sure that you are plugging it in correctly. Do not force the plug into either connection.

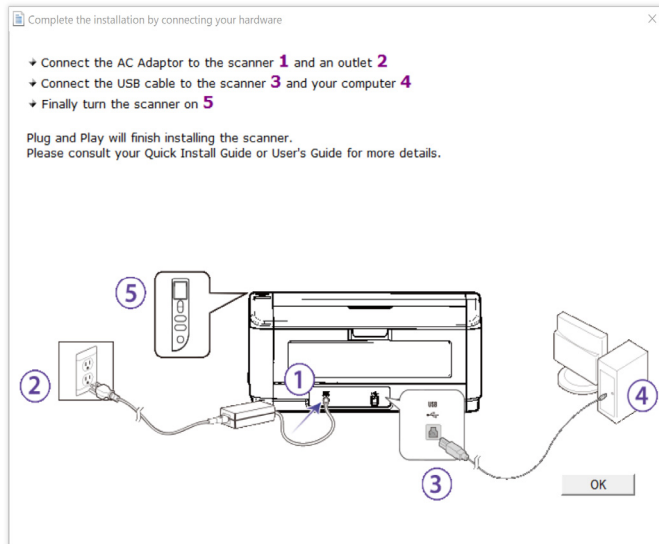
3. Turn on the scanner power.



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

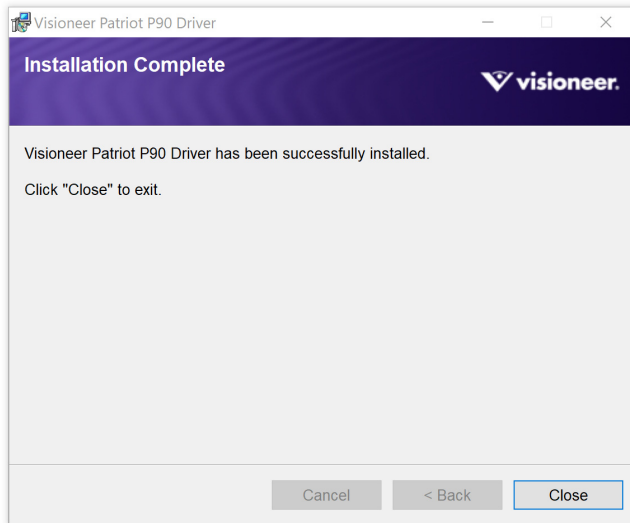
Your computer recognizes that a scanner has been plugged into the USB port and automatically loads the appropriate software to run the scanner.

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



5. Click **OK** to complete the installation process.

- Click **Close** on the Installation Complete window to close and exit the driver installer.



Installing Visioneer OneTouch

The Visioneer OneTouch software installation will start automatically after you click **Close** on the driver Installation Complete window.

- Click **Next** on the Welcome to the OneTouch Setup Wizard.



Note: there may be an option in the installation window to remove any current scanning profiles. You will see this prompt if you already have a previous version of OneTouch installed. Select the option in the installation window only if you want the existing profiles *removed*.

- 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 OneTouch will not be installed.

3. Click **Close** on the Installation Complete window to close and exit the software installer.
4. After OneTouch is installed, a splash screen will be displayed while it initializes and searches for installed scanners. Please wait for this screen to disappear before attempting to use OneTouch.



Note: If you selected other software to install, the installation for that software will automatically start after you click **Close** on the Installation Complete window. Follow the instructions on-screen to install each application you selected.

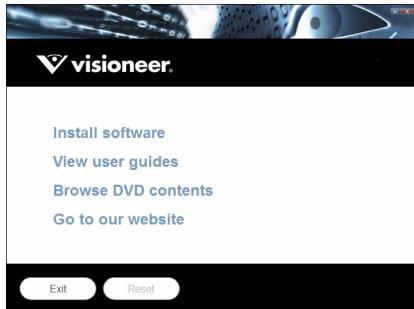
INSTALLING ADDITIONAL APPLICATIONS

Your scanner includes free, additional applications as described in the table below.

1. Return to the Main menu and click **Install software**.
2. If a version of the software is already installed on the system, the option will be greyed out. However, if there is a newer version available online, it will be possible to upgrade by selecting the appropriate button option.
3. If any of the Web buttons have been selected, the software will have to first be downloaded by clicking **Download Now**.
4. Once all software has been downloaded, click **Install** now.
5. Follow the instructions on the screen to install each of the additional applications.

VIEW THE USER GUIDES

1. Return to the Main menu and click on **View user guides**.

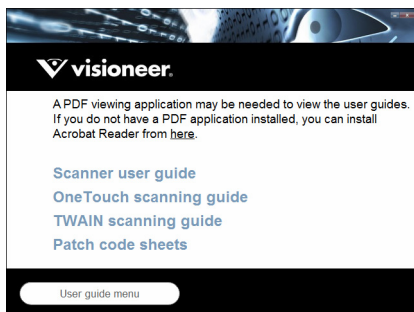


2. Click on **View scanner documentation** to access the scanner user guide and scanning guides for OneTouch and TWAIN.

- **Scanner user guide**—Instructions for scanner setup, installation, operation, maintenance, safety, and warranty
- **OneTouch scanning guide**—Instructions for configuring and scanning using OneTouch
- **TWAIN scanning guide**—Instructions for accessing and scanning using the TWAIN interface

Click on **View software documentation** to access the user guides for the software applications provided with the scanner.

From either of these user guide windows, click on the **User guide menu** button to return to the main user guide window, then select the other documentation section to view the user guides.



3. Click the links of the guides you want to view.
4. When you're finished, click **Main menu** to return to the Main menu window and click **Exit**.

REGISTER YOUR SCANNER

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.

You will need an active network connection to register your scanner. If you do not have network access you can contact our customer service department to register the scanner. Please refer to the Technical Support Card, that you received with the scanner, for our customer service contact information.

1. Open an Internet Explorer window, or any other Internet browser you have installed on your computer.
2. In the web address field type www.visioneer.com.
3. Press Enter on your computer's keyboard or click the option on screen to go to the web address.
4. When the Visioneer® scanners web page loads click on **Register Your Product**.
5. Fill in the registration form, all required fields have an asterisk (*).
A valid email address is required for registration.
6. You will be asked to enter the serial number for the scanner, it is located on the back or underside of the scanner.
7. After filling in the form, click on **Submit Your Registration** to complete the registration.

LOADING DOCUMENTS TO SCAN

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. Also remove any labels, stickers, or Post-It™ notes that may come off during the scanning process and get stuck in the scanner. Misuse as described here will void your scanner's warranty. Please go to www.visioneer.com, select your product, and then click the "Warranty Program" link to view the warranty terms and conditions for your scanner.



SUPPORTED DOCUMENT TYPES

You can scan the following types of documents and cards with this scanner.

- Maximum amount of paper in the input tray
 - Approximately 150 pages of 20 lb (80 g/m²) A4 paper
- Document size
 - Minimum size (width x length)
 - Single page 1.97 x 2.56 inches (50 x 65 mm)
 - Multiple pages 1.97 x 3.35 inches (50 x 85 mm)
 - Maximum size (width x length) – 12.16 x 17 inches (308 x 431 mm)
 - Maximum length with long document enabled
 - 240 inches (6096 mm) up to 200 dpi
 - 218 inches (5540 mm) up to 300 dpi
 - 59 inches (1500 mm) up to 600 dpi
- Mixed document stacks
 - Scanner minimum to maximum without long document enabled

Arrange the documents so that all items are centered in the stack. The document sensor, paper separation, and feed rollers are located in the middle of the paper path. If smaller items are offset from the center they will not be detected. This will cause feeding issues and paper jams.

- Paper thickness
 - U-Turn path: 7-28 lbs. (27-105 g/m²)
 - Straight path: 7-110 lbs. (27-413g/m²)
- ID card thickness up to 0.05 inches (1.25 mm)

DOCUMENTS TO AVOID SCANNING

The documents in this list can be scanned, but please note that scanning documents of this type will reduce the life of the scanner. Maintenance will be required more often and replaceable parts will wear faster. These types of documents will jam more frequently and damage to the original documents may occur. If you do choose to scan these document types, do not scan large batches. This type of use is not covered under the scanner warranty and alters replacement parts life expectancy.

We recommend you limit the amount or completely avoid scanning documents that are in this list.

- Curled, wrinkled or folded documents may cause paper jams or multiple pages being fed through the scanner at one time.
- Perforated or punched paper that could tear when the separation roller engages.
- Coated paper or photographs where the coating can flake off during scanning and leave residue in the scanner.
- Extremely smooth, shiny, or highly textured paper may cause the paper feed rollers to slip across the page and cause the scanner to report a paper jam.
- Carbonless copy paper may tear while being fed through the scanner and the pressure of the rollers may leave streaks on the page. The chemical coating on this paper will rub off on the rollers during the scan process, increasing the frequency of miss-feeds and paper jams.
- Partially transparent paper such as tracing paper as any images from the opposite side of the page or black background will appear in the scanned images.

UNSUPPORTED DOCUMENT TYPES

Do not scan the following types of documents as they may cause damage to the scanner.

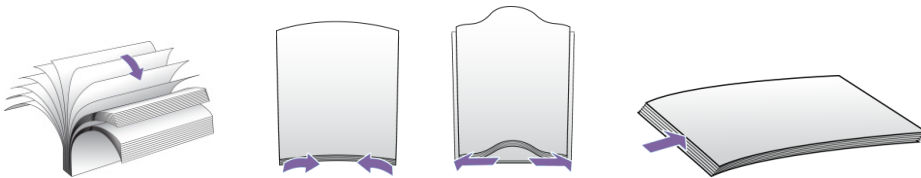
- Items outside of the specified supported sizes, thickness, and weight defined in this document.
- Non-rectangular or irregularly shaped paper will cause the scanner to detect and report document skew errors or paper jams.
- Carbon paper that will leave residue in the scanner and on the rollers that will transfer to the next set of documents scanned.
- Documents with hard items attached such as paper clips, binder clips, and staples.
- Documents with wet ink or white-out.
- Thermal or photosensitive paper.

- Overhead projector sheets, plastic film, camera film, and any other type of transparent or partially transparent plastic item.
- Documents that have been glued together.
- Cloth or metallic sheets.

SCANNING FROM THE AUTOMATIC DOCUMENT FEEDER (ADF)

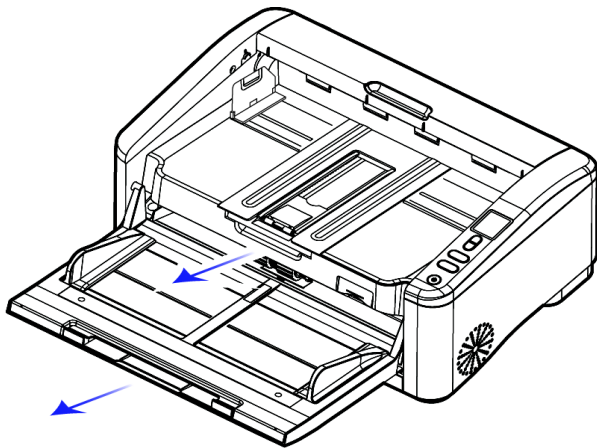
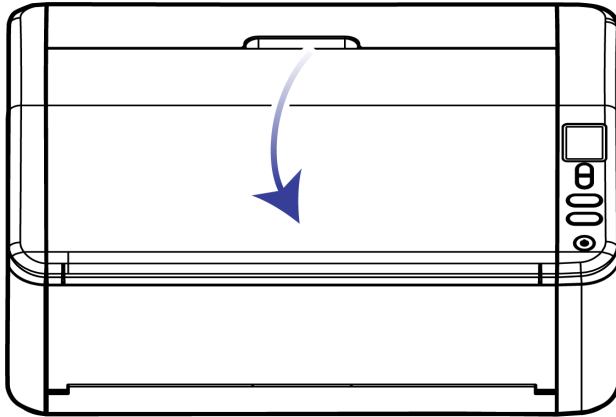
Preparing Documents for Scanning

- Fan the documents to make sure all pages in the stack are separated.
- Bend and then flatten the document stack to make sure the horizontal edges are aligned to help prevent paper from skewing while being pulled through the scanner.
- Pinch the ends to align the leading edges slantwise to help prevent multiple pages from being fed through at a single time.

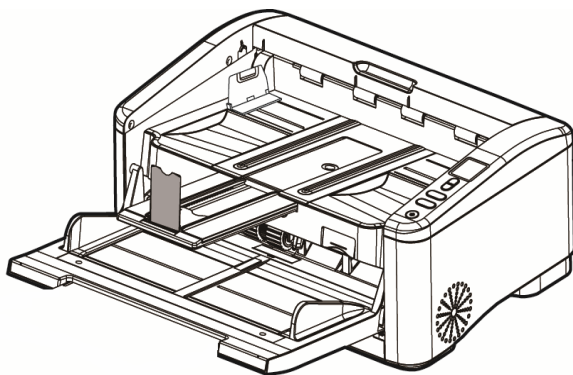


Loading Documents

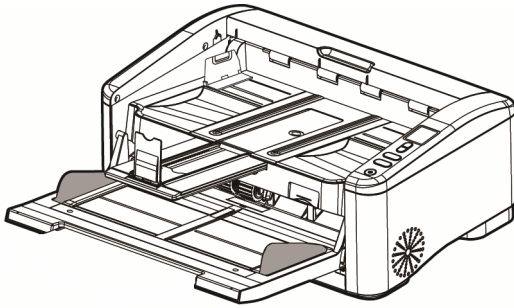
1. Unfold the document feeder and its extension.



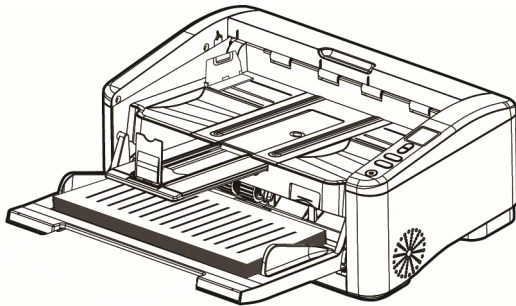
2. Unfold the output tray and raise the paper stopper.



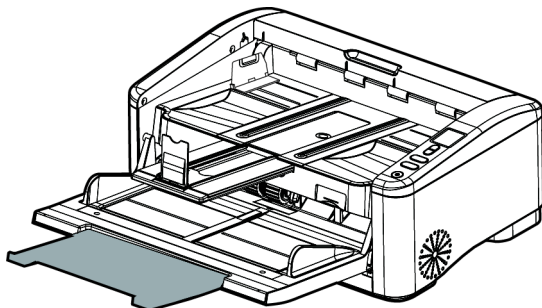
3. Adjust the paper guides to hold your multi-page document.



4. Load the stack of documents facing up with the top of the pages pointing into the feeder.

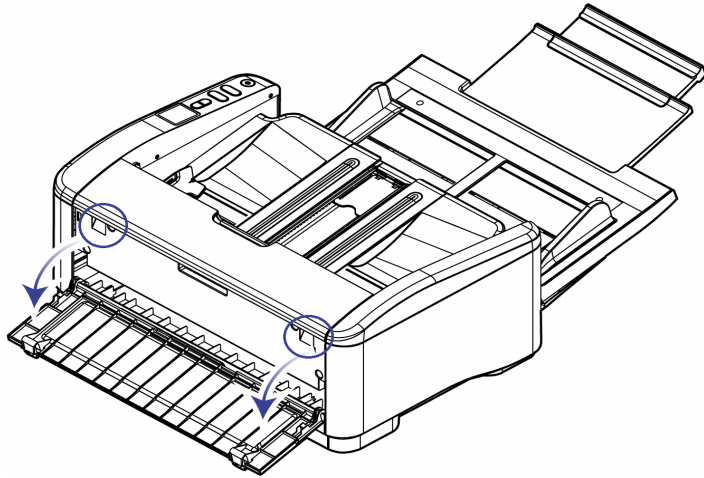


5. Verify that the paper guides are aligned with the edges of the stack.
6. To scan A3-sized paper, pull out the extension of the input tray as shown. Make sure the output tray is also extended.
Load the stack of document facing up with the top of the pages pointing into the feeder.



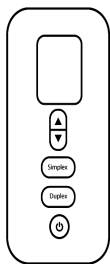
SCANNING PLASTIC CARDS OR THICK PAPER

When you need to scan plastic cards or thick paper, open the rear cover by pressing the two locking buttons at the back as illustrated. This way, paper can be fed and protected smoothly through the "straight paper path" and ejected at the rear tray.

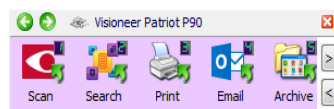


SCANNING INTERFACES

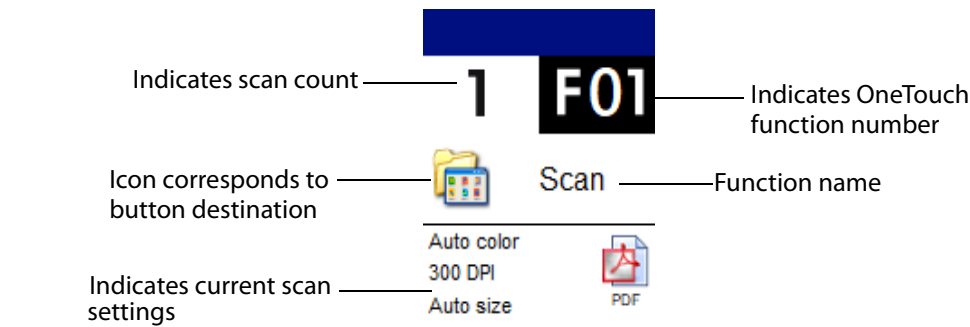
- **One Touch Control Panel**—When you press either the Simplex or Duplex button, documents are scanned using the scan settings indicated by the LCD display. The scanned images are then sent to a software application on your computer.
- **OneTouch Button Panel**—Use this scan option when you want to scan from the computer screen. Scanning from the on-screen OneTouch Button Panel is the same as selecting a scanning option on the scanner, except you click an icon that represents the function.



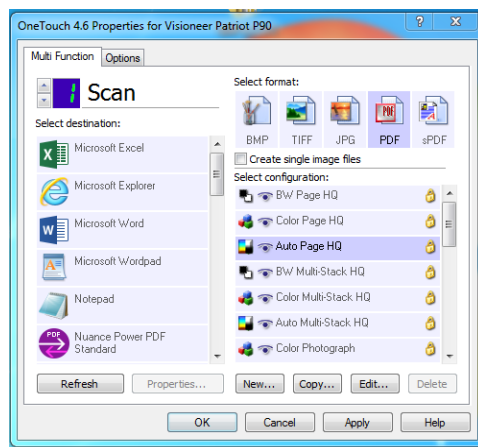
Scanner Control Panel



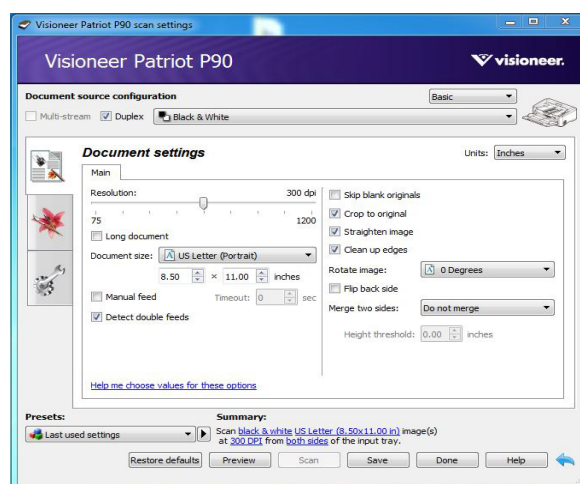
OneTouch Button Panel



Please see the OneTouch Scanning Guide on scanner support page. You can also click the **Help** button in the OneTouch Properties window to open the instructions in an Internet browser.



- **TWAIN and WIA Interface**—This option uses your scanner’s TWAIN interface to scan. Select scanning options before scanning, put the document in the scanner, then click the **Scan** button in the TWAIN interface window.



Please see the TWAIN Scanning Guide on scanner support page. You can also click the **Help** button in the TWAIN interface to open the instructions in an Internet browser.

- **ISIS Interface**—This option uses the ISIS interface for scanning. Please refer the user manual for your ISIS scanning application for instructions on scanning with the ISIS interface.

MAINTENANCE

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

SAFETY PRECAUTIONS

When servicing the scanner you should take the following precautions to ensure your safety and prevent damage to the scanner.

Do These

- Wear protective gloves when cleaning the scanner with Isopropyl rubbing alcohol. Rubbing alcohol may irritate sensitive skin.
- Only perform scanner maintenance as described in this chapter.
- Keep the scanner and cleaning supplies away from any open flame or heat source as any form of alcohol is flammable.
- Always read the instructions in each section carefully, the instructions are specific to the part you are installing or servicing.
- Move the scanner to an area that has adequate room for opening the scanner.
- If your scanner has a power cord and/or power switch, always turn off the scanner and unplug the power cord before performing maintenance, unless the maintenance instructions below specifically state to leave the scanner plugged in and powered on.
- Always unplug the USB cable from the scanner before performing maintenance, unless the maintenance instructions below specifically state to leave the scanner plugged in.
- Wear an anti-static strap to prevent electrostatic discharge when touching metal components.
- Keep all cleaning supplies, scanner parts and accessories out of the reach of children.

Do Not Do These

- Never attempt installation of any part not described in this manual.
- Never service the scanner near a radiator or any other heat source.
- Never use aerosol sprays or compressed air, or attempt to lubricate parts with an oil or silicon spray.
- Never service the scanner in an area where there are open liquid containers.
- Never pour or spill liquid on the scanner or any of its components.

HARDWARE PROPERTIES

You can use the scanner's properties page to keep track of scanner maintenance, change some of the hardware options, configure the scanner interface behavior, and adjust application options that may be available for your scanner.

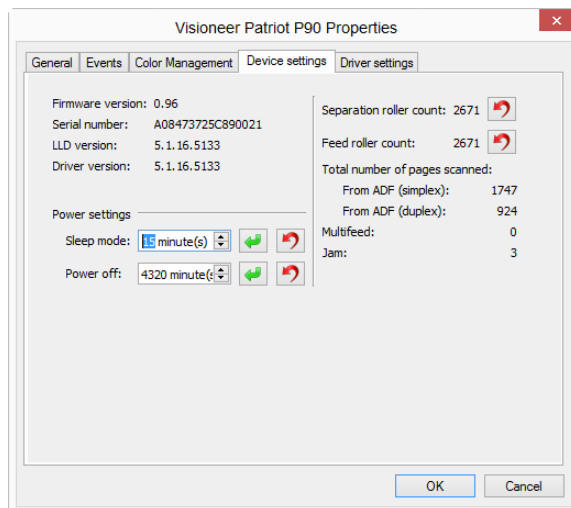
To open the scanner hardware properties page:

- **Windows 7 and later**—from the Windows Control Panel, open **Hardware and Sound** and then **Devices and Printers**.

Right-click on the scanner and then select **Scan properties** from the list. Click **Yes** if you are prompted by the Windows User Account Control to confirm that you want make changes to the system settings.

Device Settings

The Device Settings tab shows the hardware information for your scanner. The options on the Device Settings tab will be available based on whether or not the scanner hardware supports the feature. Some features described herein may not be available for the current scanner. Please disregard any information about features that you do not see in the interface for your scanner.



Scanner Details

- **Firmware version**—this is the scanner's hardware processor version number.
- **Serial number**—the scanner's unique identification number.
- **LLD version**—the scanner's base driver version. This is not the OneTouch software revision, TWAIN or WIA driver versions.
- **Driver version**—this is the version of the scanner's TWAIN driver.

To view Scanner and Software Details from the LCD Scanner Menu:

1. Hold the Simplex and Duplex buttons for more than two seconds to access the LCD scanner menu.

2. Use the up and down arrows to select the Scanner Details option.
3. Use the Duplex button to confirm your selection.
4. You can now view the scanner details: model name, firmware version, serial number.
5. To view software details, use the down arrow, as indicated on the LCD menu. The LCD will display: driver version, Acuity version number as well as One Touch version number.

Scanner configuration

- **Counters**—click the reset button next to the counter you want to set back to 0.

To view the counters from the LCD Scanner Menu:

1. Hold the Simplex and Duplex buttons for more than two seconds to access the LCD scanner menu.
2. Use the up and down arrows to select the Counters option.
3. Use the Duplex button to confirm your selection.
4. You can now view the counters.

Power Settings

Some features described herein may not be available for the current scanner.

- **Sleep mode**—sleep mode is the low-power state when the scanner is not in use. You can adjust the amount of time you want the scanner to wait before it goes into low power.

Click the green enter button to save any changes in the Sleep mode field.

Click the red reset button to reset to the default timeout value.

- **Power off**—input the number of minutes you want the scanner to wait before it turns itself off.

Click the green enter button to save any changes in the power off field.

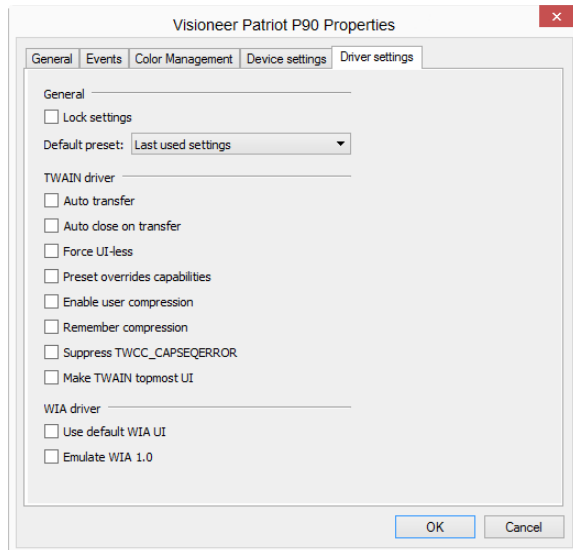
Click the red reset button to reset to the default timeout value.

Firmware update

- **Check for update**—check the scanner's firmware version against the version included with the scanner driver. When the scanner is connected to the computer and this option is selected, or when a different scanner of the same model is connected, a notification will show indicating that the firmware version is out of date. Deselect this option to stop being notified of the different version if you do not want to update the firmware.
- **Update**—click this button to update the scanner's firmware with the latest revision provided in the driver installer. Follow the instructions on-screen to update the scanner's firmware. Do not turn off the scanner or close any on-screen dialogues while the firmware update is in process. Turning off the scanner or closing any on-screen dialogues before you are prompted could irrevocably damage the scanner and prevent it from working. The firmware update software will prompt you when it is safe to power cycle the scanner.

Driver Settings

The options in this panel are for configuring how the interface will behave in some scenarios. Please see the scanning guide on scanner support page.

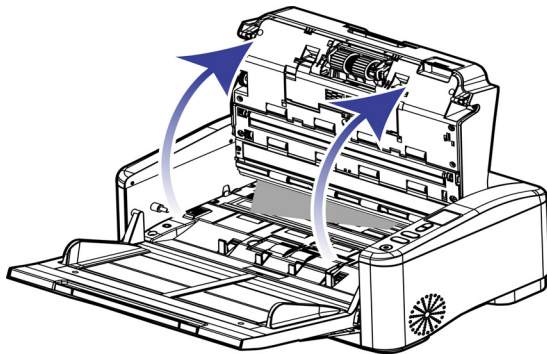
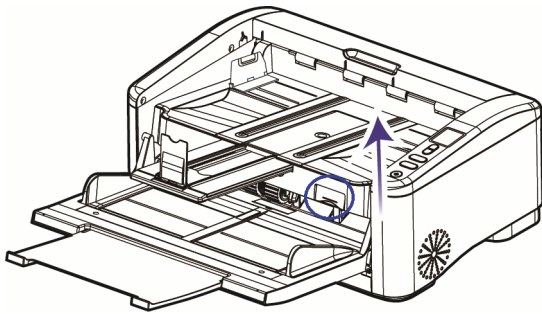


CLEARING PAPER JAMS

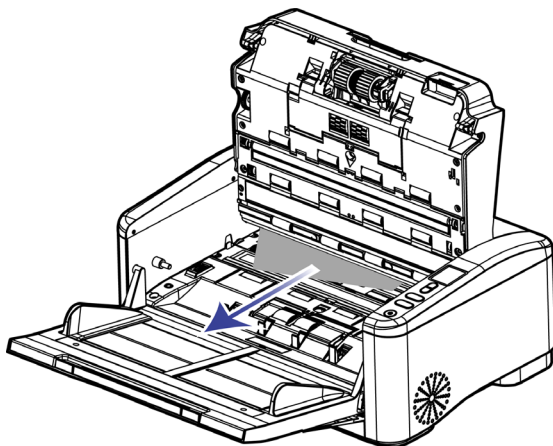
If your scanner stops scanning due to a paper jam in the Automatic Document Feeder, a warning opens after a few moments.

1. Pull the handle and open the ADF cover with a light force.

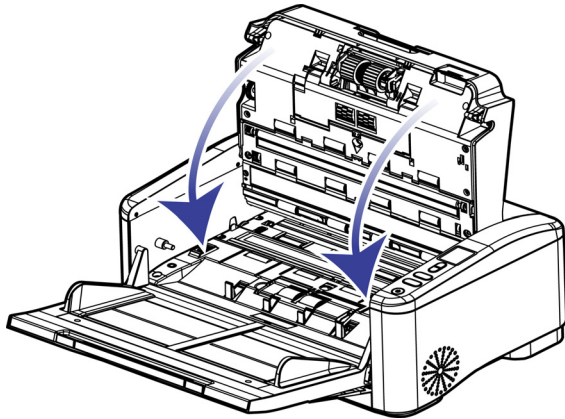
Do not attempt to remove a jammed page with the scanner closed.



2. Carefully pull the paper out of the ADF unit.



3. Close the Automatic Document Feeder by pressing down on the center of the Automatic Document Feeder to return to its original position until it clicks into place.



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

CLEANING THE SCANNER

Regular maintenance of your scanner can help to ensure continual optimal performance. Using a soft, lint-free cloth, wipe down all plastic surfaces on the scanner.

Cleaning the Outside of the Scanner

Excessive dust accumulation around and on the scanner will pull into the scanner during the scanning process and clog the ventilation openings. You should clean the outside of the scanner at least once a month to help limit the amount of dust build up in the scanner.

1. Turn off the scanner power.
2. Using a soft dusting cloth, wipe down the body of the scanner, input tray and exit area. Make sure that the input and exit slots in the scanner are also clean.
3. If there is any accumulation of dust in the indentations around the buttons, use a blower brush to gently brush away the dust.
4. When you're finished, press the power button to turn the scanner back on.

Cleaning the Inside of the Scanner

Cleaning the inside of the scanner helps to keep your scanner operating at optimum performance. You should clean the inside of the scanner at least once a week or after 20,000 pages have been scanned. If you are getting frequent paper jams, multiple pages feeding at the same time, or you're seeing lines in the scanned image, it is time to clean the scanner.

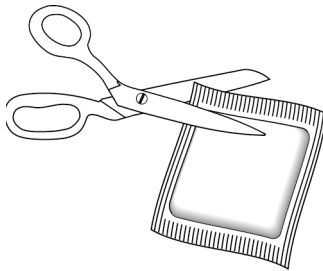
Note: When cleaning the rollers, do not rub the roller cleaning paper vigorously back and forth across the roller, this will shred the roller cleaning paper and leave debris in the scanner.

Safety Precautions

- Keep the roller cleaning paper away from fire, heaters or any open flame or heat source as any form of alcohol is flammable.
- Wear protective gloves as the roller cleaning paper may irritate sensitive skin.
- Only clean the rollers and scanning areas, as described in this section, with the roller cleaning paper.
- Do not leave the roller cleaning paper or any of the cleaning supplies where children can access them.
- Always turn off the scanner and unplug the scanner's power and USB cable prior to using the roller cleaning paper.

Preparation

- Roller cleaning papers can be purchased from our website at www.visioneer.com in the Parts & Accessories page for your scanner.
- When cleaning the inside of the scanner, you should clean all of the rollers, scanner glass and background plates at the same time.
- Use scissors to open the roller cleaning paper bag, cutting across the dotted line.



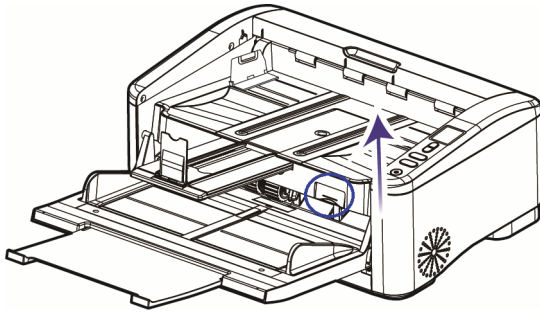
! **Caution: The roller cleaning paper is moistened with isopropyl rubbing alcohol. Please read and follow these precautions to ensure your safety.**

Cleaning the ADF Rollers

When you perform cleaning for the rollers in the lower part of the scanner, the rollers need to be rotated with a light force. Using the Clean Mode, the rollers can be automatically rotated to help cleaning easier and effective.

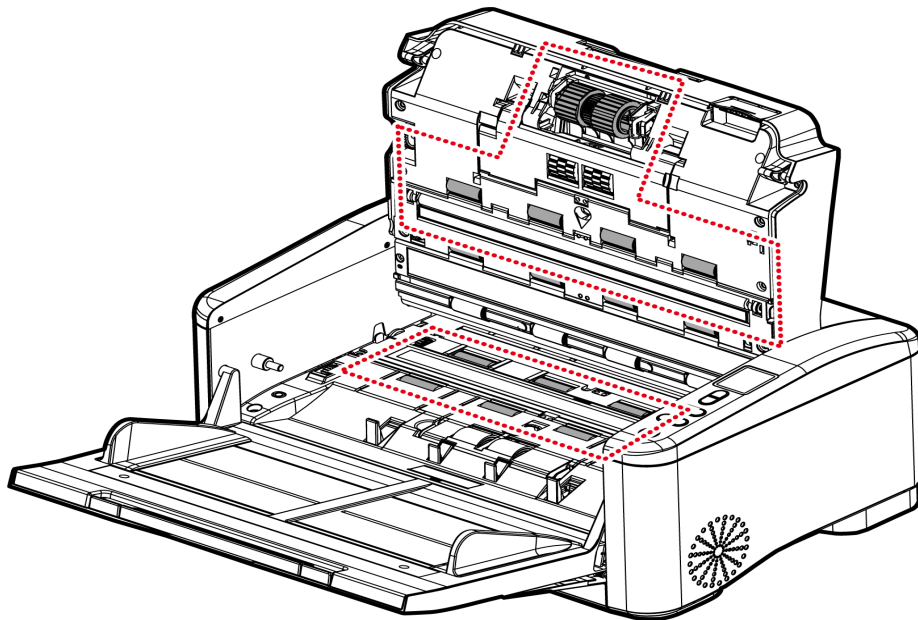
1. Hold the Simplex and Duplex buttons for more than two seconds to access the LCD scanner menu.
2. Use the up and down arrows to select Clean mode.
3. Use the Duplex button to confirm your selection.

4. Open the ADF cover to open the scanner.



5. Use the Duplex button to initiate roller rotation. Each time you press on the duplex button, the rollers will rotate slightly, allowing you to clean the rollers efficiently.
6. The following illustration shows where the rollers are located in the scanner.

Use a roller cleaning paper, or the wet soft cloth with isopropyl rubbing alcohol (70%), to clean all of the rollers indicated in the illustration.

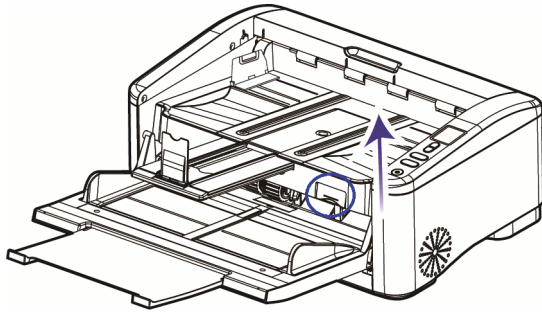


Note: Be careful when cleaning the rollers. All of the rollers, except the free rollers, are designed to rotate in one direction only. Do NOT force the roller to rotate in the opposite direction. Forcing the roller to rotate will damage it, and cause the scanner to feed pages incorrectly.

Cleaning the Scanner Glass and Background Plates

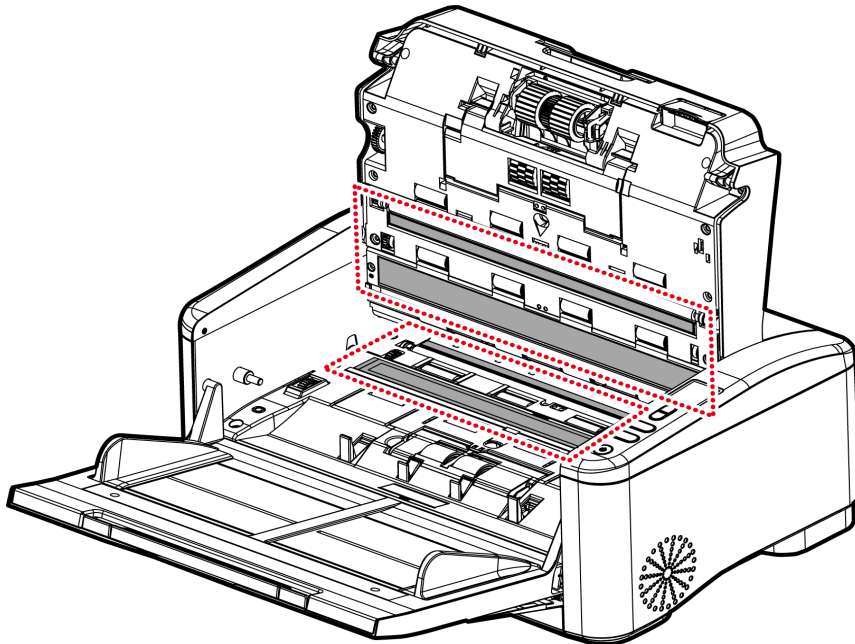
The background plates are located underneath the scanner glass in both the top and bottom of the scanner. If you see a warning message that one of the background plates is dirty, simply clean the scanner glass as described here.

1. Open the ADF cover to open the scanner.



2. The following illustration shows the location of the glass in the scanner.

Use a soft cloth to wipe clean the glass. You can use a roller cleaning paper to clean the glass plates if there is any sticky residue on the surface.



Cleaning the Paper Sensors

The scanner has several sensors to detect the status of the paper when it is in the scanner. You should clean these sensors as part of your standard weekly maintenance of the scanner.

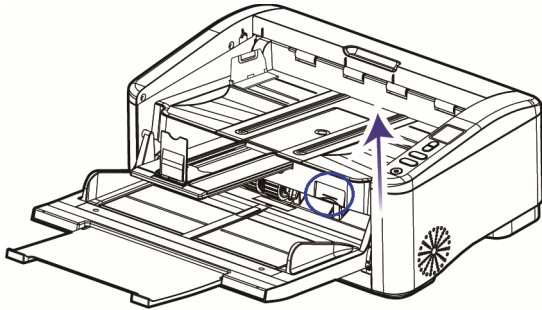
Do not clean the sensors with the roller cleaning paper.

Preparation

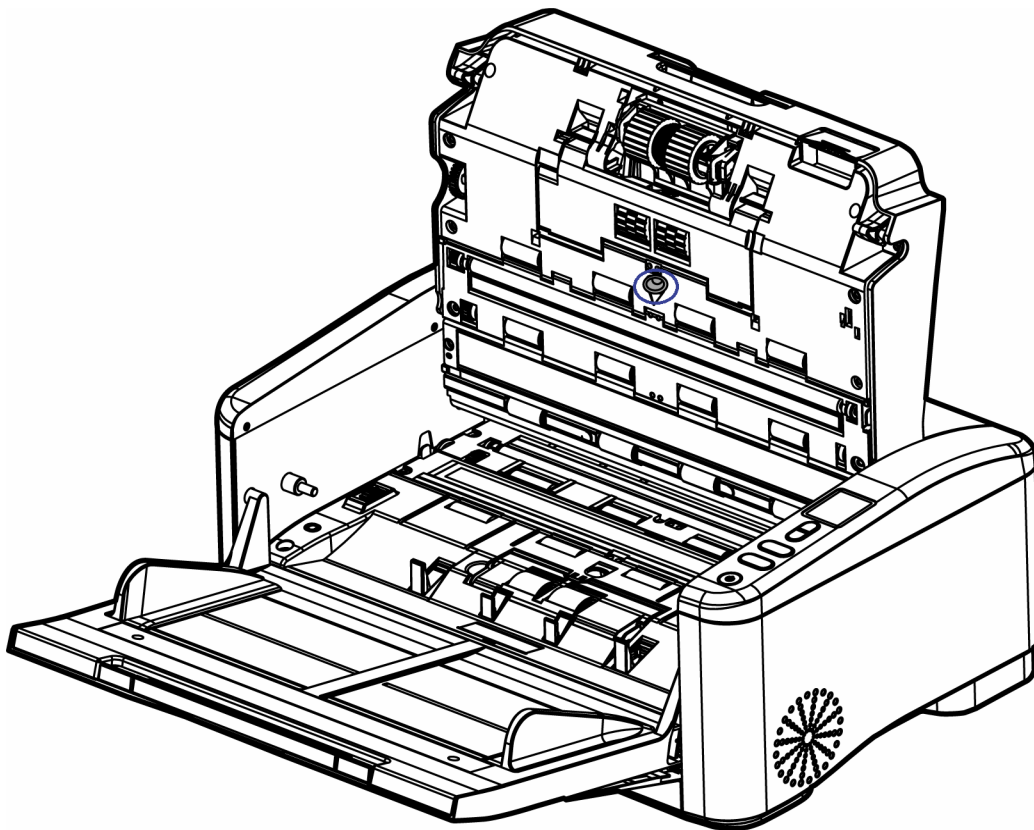
Turn off the scanner prior to cleaning the sensors.

Cleaning the DFD Sensor

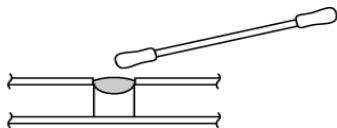
1. Open the ADF cover to open the scanner.



2. The following illustration shows the location of the sensor in the scanner.



3. Using a clean, dry cotton swab, brush away any dust on the double feed detection sensors.



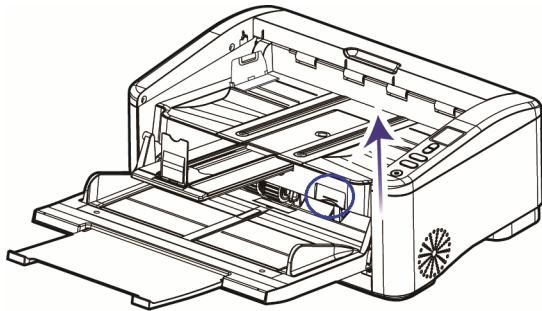
REPLACING THE ROLLERS

When replacing the rollers described in this section, you should replace all of the rollers at the same time. Do not replace just one roller and not the other. When you are finished replacing the roller, reset the roller count as described on page 33.



Caution: Keep all replaceable parts out of the reach of children. These parts are small and pose a choking hazard.

Turn off the scanner power then unplug the power cord from the scanner. Pull the cover release handle and open the scanner.

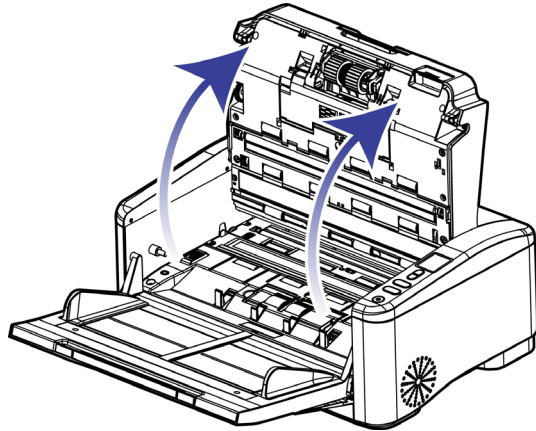
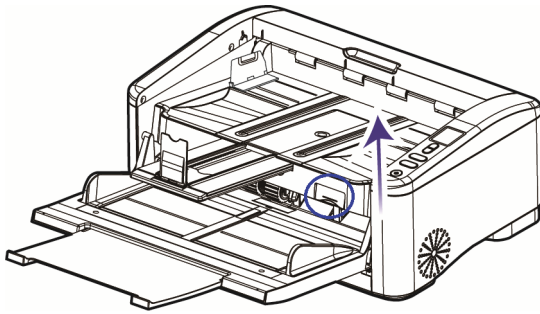


When you are done replacing the rollers, close the scanner carefully pressing down on both sides of the cover until it locks in place. Do not slam down the cover.

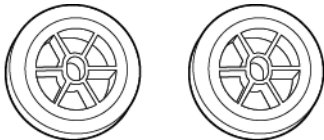
Replacing the Pick-up Rollers

The roller will wear out and is designed to be a user-replaceable part. A worn roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. Before replacing the roller you should clean it as excessive dust on the roller will make it appear worn and smooth. You cannot properly diagnose a worn roller until you have cleaned it. You should generally replace the roller at 500,000 scans.

1. Pull the handle to open the Automatic Document Feeder cover.

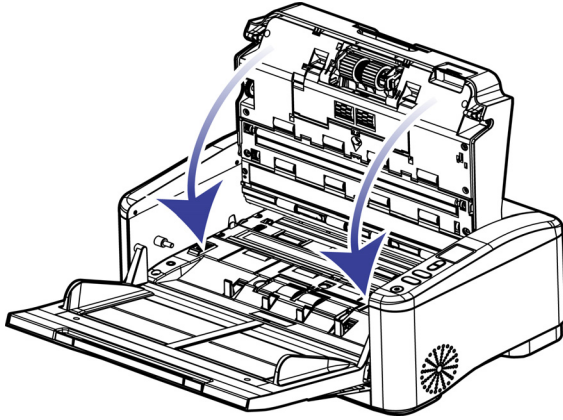


2. Move the plastic tab to the right to unlock the pick-up roller and remove the pick-up roller.
3. Discard the rollers, they cannot be repaired or reused.
4. Take the new rollers out of their packaging.



5. Align the end of the bar with the hole in the rollers and slide the rollers onto the bar. The rollers will click when they are locked in place.
6. Insert the left end of the new pick-up roller into the slot to put the pick-up roller back into place. Make sure the flat side of the bar is FACE UP.
7. Insert the right end into the slot and move the plastic tab to the left to lock the pick-up roller.

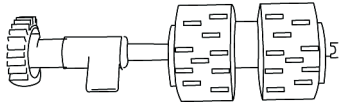
8. Close the Automatic Document Feeder by pressing down on the center of the Automatic Document Feeder to return it to its original position until it clicks into place. Make sure everything is aligned properly and the cover is fully closed. If the cover is not fully closed it will break during scanning and damage the scanner.



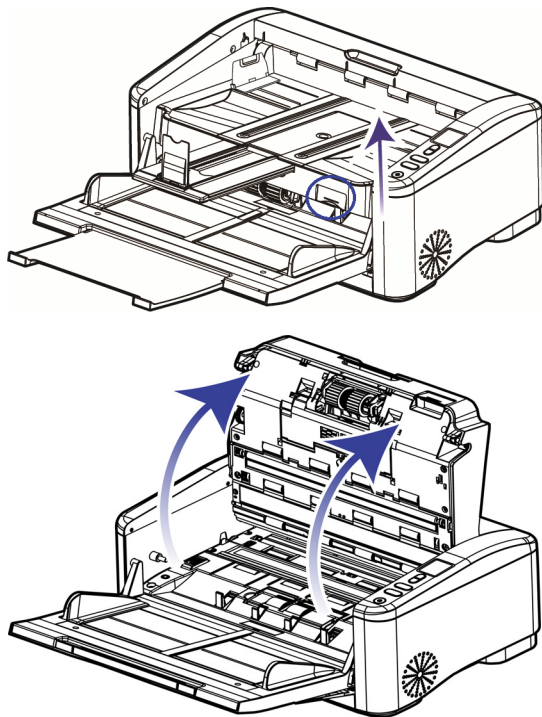
Replacing the ADF Roller

The roller will wear out and is designed to be a user-replaceable part. A worn roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. Before replacing the roller you should clean it as excessive dust on the roller will make it appear worn and smooth. You cannot properly diagnose a worn roller until you have cleaned it. You should generally replace the roller every 500,000 scans.

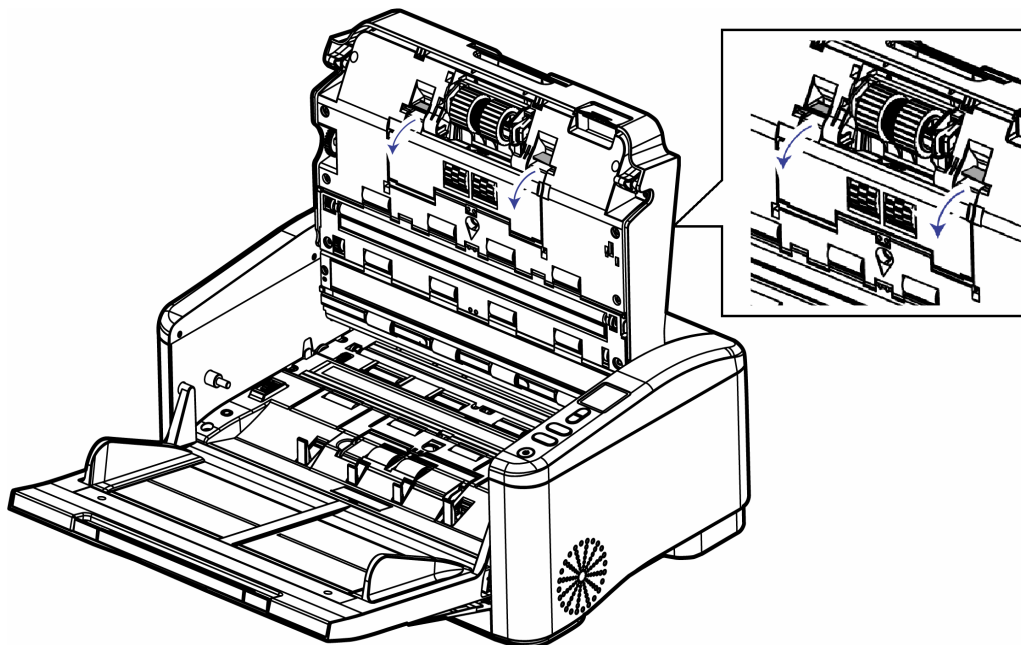
Replacement parts can be purchased from the Parts & Accessories page for your scanner at www.visioneer.com.



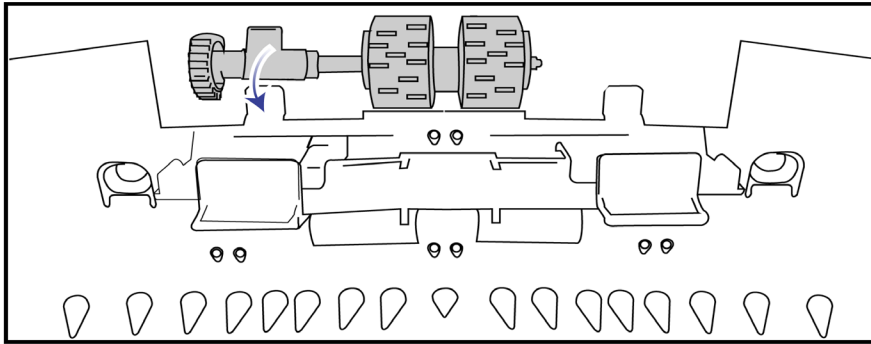
1. Pull the handle to open the ADF cover.



2. Pull down the ADF roller cover and pull it towards you to access the roller.



3. Pull down on the plastic tab holding the roller in place to remove the roller from the scanner.

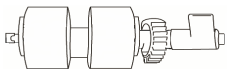


4. Discard the roller. It cannot be repaired or reused.
5. Take the new roller out of its packaging.
6. Align the end of the bar with the hole in the roller and slide the roller onto the bar. The roller will click when they are locked in place.
7. Install the right end of the new ADF roller to its slot first and then the left end.
8. Align the plastic tab position and lift the plastic tab UP to lock the roller in place.
9. Lift the roller cover up and carefully push it closed to lock it in place. Make sure everything is aligned properly and the cover is fully closed. If the cover is not fully closed it will break during scanning and damage the scanner.

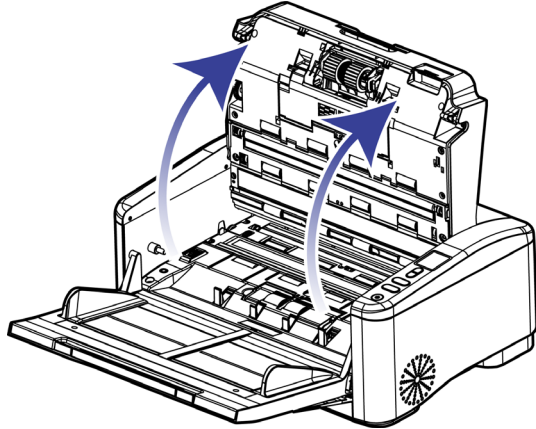
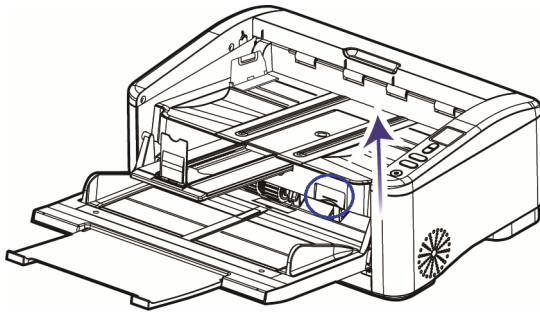
Replacing the Reverse (Separation) Roller

The roller will wear out and is designed to be a user-replaceable part. A worn roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. Before replacing the roller you should clean it as excessive dust on the roller will make it appear worn and smooth. You cannot properly diagnose a worn roller until you have cleaned it. You should generally replace the roller at 500,000 scans.

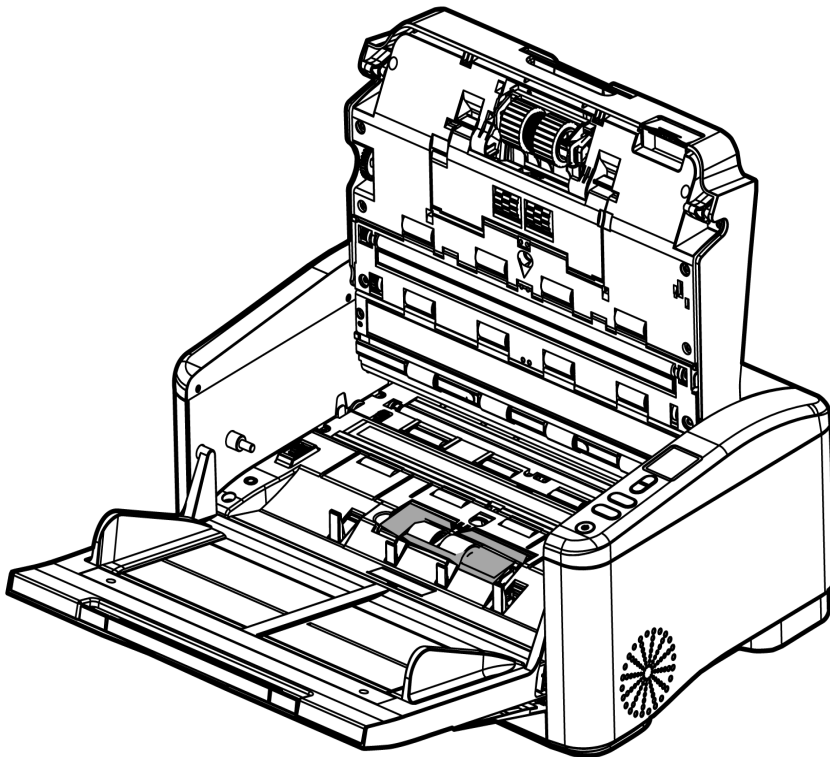
Replacement parts can be purchased from the Parts & Accessories page for your scanner at www.visioneer.com.



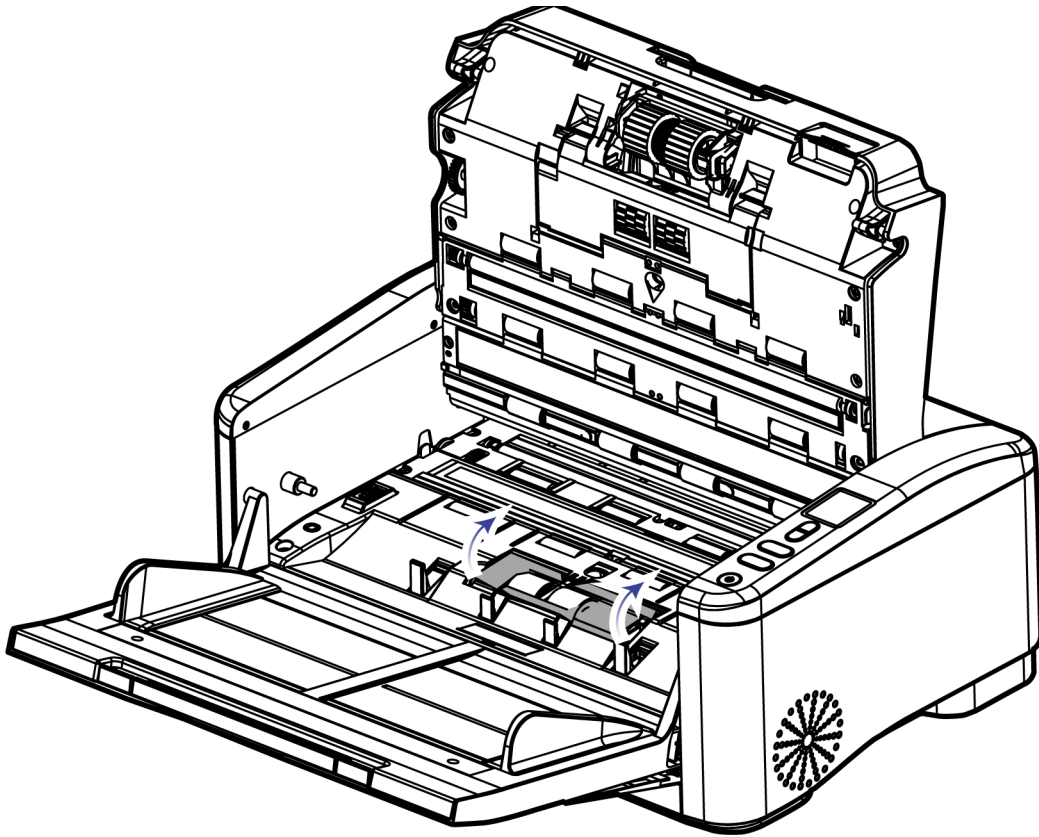
1. Pull the handle to open the ADF cover.



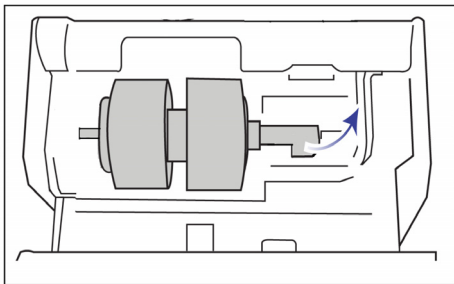
2. Locate the roller cover in the ADF door.



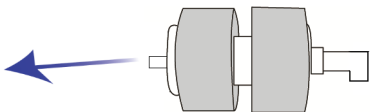
3. Pinch the sides of the roller cover and pull it up to access the roller.



4. Move the plastic tab up and then carefully bring the roller up and out of the scanner starting at the plastic tab end.

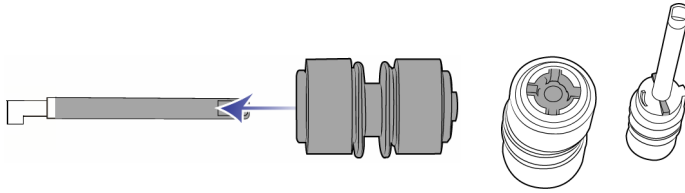


5. Remove the replaceable roller from the bar.



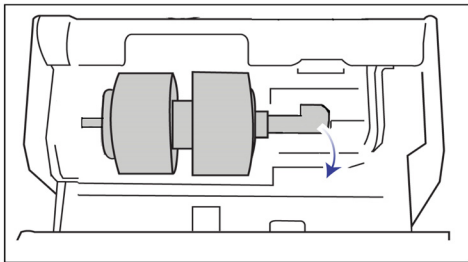
6. Discard the roller, it cannot be repaired or reused.
7. Take the new roller out of its packaging. Clean any dust off the roller before installing it.

8. Slide the new roller onto the bar. Make sure the struts on the bar line up to the slots in the end of the roller.



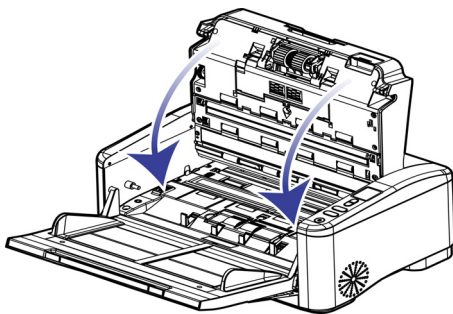
9. Insert the metal end of the roller into the slot in the scanner. Carefully lower the roller into the scanner. Make sure the groove on the right side of the roller is aligned so that it slides in place into the U-shape of the bracket.

10. Move the plastic tab down.



11. Press down on the roller cover and carefully push it closed to lock it in place. Make sure everything is aligned properly and the cover is fully closed. If the cover is not fully closed it will break during scanning and damage the scanner.

12. Close the scanner when you're finished.



TROUBLESHOOTING

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

Check for one of these possible causes:

- **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. If you are using a UPS battery back-up or power strip, try plugging the scanner directly to a wall outlet.

- **Did you restart the computer and scanner?** If the scanner gets a paper jam, or loses connection because of an error, try restarting your computer and power cycling the scanner.
- **Did you plug the scanner into a USB hub?** If you're using a USB hub to connect the scanner try plugging the scanner's USB cable directly to the back of the computer. It is not recommended that you use the scanner with a USB hub, if you are using a hub, the hub must have its own power supply.
- **Is the USB cable 6' or less?** If you are using a USB cable that is longer than 6' you may lose connection to the scanner. The recommended USB cable length is 6' or less, the USB cable provided with your scanner is within this range.
- **Did you select another image source in the scanning software?** If you use multiple imaging devices with your computer, such as a camera, all-in-one printer, or another scanner, you may have selected another source for images. Make sure Visioneer® Patriot™ P90 is selected as the scanner.

Problem: When the scanner is powered on, it makes noises and won't stand ready.

There are two possibilities:

1. You might fail to push the scanner shipping lock to its "unlocked" position first. If this is the case, pull the scanner status switch to its "unlocked" position first.
2. The scanner is not placed on an even, flat desktop surface. This may cause the scanner to malfunction.

Problem: Why does my scanner not function after performing a system restore on Windows?

The system restore process may have corrupted some of the driver components. It is recommended that you reinstall your scanner driver. Please refer to [Uninstalling Your Scanner](#) on page 53 for installation instructions.

Problem: Why won't my scanner buttons work after scanning with Windows Image Acquisition (WIA)?

After performing a scan using the WIA interface you must close the application you were using before scanning with the buttons on the scanner. This does not occur when scanning using the TWAIN or ISIS interface.

Problem: Why won't my scanner work after the computer has been sitting idle for several hours?

To resolve the problem, simply turn off the scanner power then turn it back on again.

This may occur after Windows goes into power saving mode to "hibernate" the computer into a low power state. When you move your mouse or type on the keyboard it "wakes" the computer back up and restores full power to the system. This power fluctuation during the computer's hibernating period may sometimes cause the scanner to lose communication to the computer.

Problem: The installation will not complete successfully. If installation finishes, the scanner's OneTouch options do not seem to work properly.

A likely cause is that some driver programs are already installed on your computer for another scanner. They may be interfering with the installation and OneTouch options, and you need to remove those other drivers and re-install your Visioneer® scanner. You can remove these programs from the Windows Control Panel. Please refer to the user manual provided with your other scanner hardware for instructions about removing the driver and software for that unit.

Problem: My computer keeps giving me out of hard drive space error messages.

The minimum requirement of free hard drive space is for the installation of the scanner driver and basic, low resolution, scanning. High resolution scans result in files that can be over 1 gigabyte in size. Free up some space on your hard drive for the software to be able to save the scanned images.

Problem: The paper jams the ADF.

Open the ADF cover, pull out the jammed paper carefully, close the ADF cover. To reduce the number of paper jams, smooth and straighten the paper before scanning, and adjust the guides to the paper size. Paper fed into the ADF at an angle can cause the feed mechanism to jam. If paper jams are occurring more frequently, try cleaning the roller with a soft cloth dampened with Isopropyl rubbing alcohol. Excessive dust on the roller can make it appear worn and will cause issues feeding paper. See [Cleaning Inside the Automatic Document Feeder](#) on page 40 for cleaning instructions.

Problem: The ADF won't feed pages properly.

A dirty or worn roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. First, try cleaning the rollers as described in [Cleaning Inside the Automatic Document Feeder](#) on page 40. If the problem persists, the separation and/or feed rollers may need to be replaced. Please see [Replacing the ADF Roller](#) on page 43 and [Troubleshooting](#) on page 48.

Problem: Why does my scanned image always come out too dark?

Adjust the screen settings to sRGB, and then adjust the brightness settings on the screen from application software.

Problem: When I choose optical resolution to be 600 dpi, the "auto crop" and "deskew" functions will be disabled.

Since performing auto crop and deskew consumes a great deal of system memory, it is suggested to choose your optical resolution to be smaller than 600 dpi to prevent an error message.

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

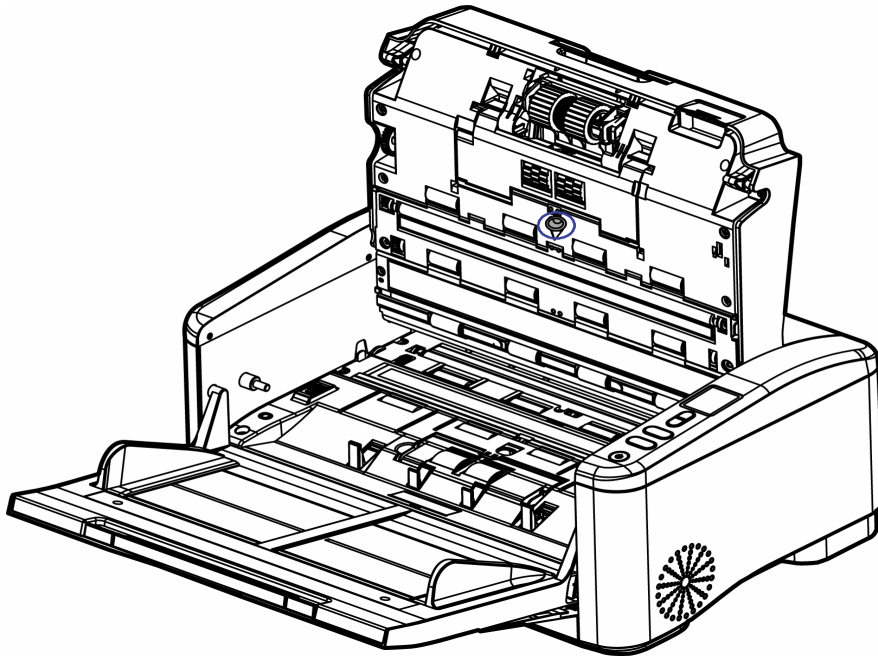
Unplug the power cable from the scanner, and then plug it back in.

If the scanner does not reconnect:

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

Problem: The scanner reports a Double Feed error when there is only one page in the scanner.

Try cleaning the double feed detection sensor. Dust on the sensor may prevent the sensor from working properly.



Error Light Troubleshooting Codes

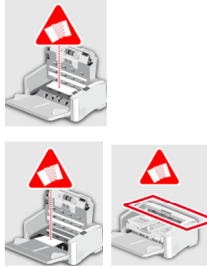






Normal Operation


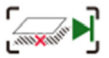

- **Steady blue:** indicates the scanner is ready to scan.
- **Slow flashing blue:** indicates the scanner is in low power mode.
- **Rapid flashing blue:** indicates the scanner is waking up from low power mode.
- **Steady red:** the scanner is busy or it is not connected to the computer.
- **Flashing red:** the scanner is reporting an error.

Error Codes

If an error occurs during scanning, the LCD will display an error code. The following table lists the codes, messages, and common solutions.

In all cases, you should turn off the scanner and check the scanner setup. Make sure the USB cable is plugged into the scanner and computer. Make sure the power cord is plugged into the scanner and into a wall outlet. Contact Visioneer Technical Support if you experience a different blinking pattern.

| Error Code | Problem Description | Solution |
|---|---|--|
|  | <p>Paper jam</p> | <p>Open the ADF cover and remove the jammed page. See Clearing Paper Jams on page 35.</p> |
|  | <p>Cover opens</p> | <p>Close the ADF cover.</p> |
|  | <p>Back cover opens</p> | <p>Indicates using the Straight Paper Path. Close the back cover to use the U-Turn paper path.</p> |
|  | <p>More than two sheets of paper feed in the paper path</p> | <p>Stop the scan or accept the image and continue to scan. Fan your document for several times and rescan.</p> |
|  | <p>USB Disconnected The USB is disconnected from the scanner or the PC</p> | <p>Verify that the USB cable is securely plugged into the scanner and computer. [FROM W130]</p> |
|  | <p>Failed to pick paper</p> | <p>Fan the documents. Load the document with its edges slightly touching the paper guides. [from d70n] Rescan. [from d70n]</p> |
|  | <p>Download firmware failed</p> | <p>Download the firmware and try again. [from d70n]</p> |

| Error Code | Problem Description | Solution |
|---|--|---|
|  | More than two sheets of paper are fed in the paper path. | If the image of the multi-feed page is acceptable, select Continue Scan to continue scanning the rest pages. Use the Up and Down button to select your action. |
|  | More than two sheets of paper are fed in the paper path. | If the image of the multi-feed page is not acceptable, select Continue Scan (Discard Image) to scan the rest pages yet the multi-feed page will be ignored and you need to rescan the page again. Use the Up and Down button to select your action. |
|  | More than two sheets of paper are fed in the paper path. | The scanner stops scan. Remove the remaining pages in the scanner. Fan your document and rescan the rest pages. Use the Up and Down button to select your action. |
| All Other Codes | An internal part in the scanner may have malfunctioned | Turn off the power to your scanner, re-boot your computer, then turn it back on. If the problem persists, contact Visioneer Technical Support. |

UNINSTALLING YOUR SCANNER

Use the options in the Windows Control Panel to remove the scanner driver and modules, and any other software provided with the scanner.

Please leave the scanner's USB cable plugged into the computer while uninstalling the scanner driver. Unplug the USB cable when directed to do so in the instructions below.

Open the list of installed programs in the Windows Control panel.

- Windows 7 and later: Open Programs and Features

Uninstalling the scanner driver:

1. In the list of installed programs click on Visioneer® Patriot™ P90 driver.
2. Click the **Change/Remove** or **Uninstall** button.
3. Click **Yes** when asked to confirm that you want to remove the driver.

When the driver uninstallation is complete the progress window will automatically close.

4. Turn off the scanner and unplug the USB cable.

5. Reboot the computer if you are prompted to do so.

Follow these instructions to remove any of the other software you installed with your scanner. Depending on the software provided with your scanner, and which applications you installed during the scanner setup, the application list may include:

- OneTouch
- OneTouch OCR module

Uninstalling Visioneer Acuity™:

Visioneer Acuity is automatically installed when you install the scanner driver. You can also download the Visioneer Acuity module from the support pages for your scanner at www.visioneer.com. Visioneer Acuity is a utility with advanced image processing options to instantly improve the visual clarity of anything you scan.

1. In the list of installed programs select **Visioneer Acuity Assets**.
2. Click **Yes** when asked to confirm you want to remove the software.

Depending on the method of installation, and your scanner model, there may be multiple entries for Visioneer Acuity in the installed programs list. The additional entries in this list are the image processing libraries needed to support various scanner models. These additional items will be called “Visioneer Acuity Assets” followed by a version number. In the scenario described here, when you want to uninstall Visioneer Acuity make sure you select and uninstall Visioneer Acuity. If you uninstall one of the entries labeled as an “asset” you will still need to uninstall the main Visioneer Acuity utility.

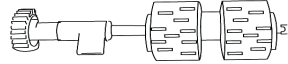

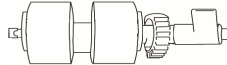

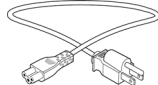
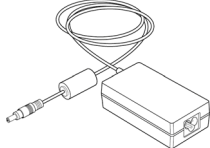
VISIONEER® PATRIOT™ P90 SPECIFICATIONS

| Scanner Specifications | |
|------------------------|---|
| Document Requirements | |
| Minimum Item Size | Single page 1.97 x 2.56 inches (50 x 65 mm) Multiple pages 1.97 x 3.35 inches (50 x 85 mm) |
| Maximum Item Size | 12.16 x 240 inches (308 x 6096 mm) at 200 dpi |
| Capacity | 150 pages of 20 lbs. printer paper (80 g/m ²) |
| Paper Thickness | U-Turn path: 7-28 lbs. (27-105 g/m ²) Straight path: 7-110 lbs. (27-413g/m ²) |
| Plastic Card | Embossed cards up to 0.05 inches (1.25 mm) thick |
| General Specifications | |
| Scanning Speeds | 100 pages per minute / 200 images per minute @ 200 and 300 dpi |
| Optical Resolutions | 600 dpi |
| Supported Resolutions | 75, 100, 150, 200, 300, 400, 500, 600, and 1200 dpi (these resolutions are available when Visioneer Acuity is installed) |
| Internal Bit Depth | 48-bit color, 16-bit grayscale, 1-bit bitonal (black & white) |
| Output Bit Depth | 24-bit color, 8-bit grayscale, 1-bit bitonal (black & white) |

| Scanner Specifications | |
|---|--|
| Scan Method | Duplex Automatic Document Feeder (ADF) |
| Image Sensor | CIS (Contact Image Sensors) |
| Light Source | LED |
| Interface | USB 3.1 Gen 1 |
| Certifications | CE, FCC, CE, RoHS, ENERGY STAR, WEEE |
| Operating Temperature | 50 to 95° F (10° to 35° C without condensation) |
| Relative Humidity | 10% to 85% |
| Scanner Dimensions (Trays Collapsed) | |
| Width | 18.1 inches (460 mm) |
| Depth | 12.2 inches (310 mm) |
| Height | 7.79 inches (198 mm) |
| Weight | 26.45 pounds (12 kg) |
| Scanner Dimensions (Trays Extended) | |
| Width | 18.1 inches (460 mm) |
| Depth | 26.7 inches (680 mm) |
| Height | 7.79 inches (198 mm) |
| Weight | 26.45 pounds (12 kg) |
| Power Information | |
| Power Supply | Input: AC 100-240V, 2A, 50-60Hz Output: DC 24V/6.25A |
| Scanner Rating | 24Vdc, 2.5A |
| Power consumption | ≤ 48 Watts (during operation) ≤ 14 Watts (ready) ≤ 3.1 Watts (power save after 16 minutes without scanning) ≤ 0.2 Watt (power off) |
| Cable Information | |
| AC Power Cord | US,3P,7A/125V,L=1800mm, 3C*18AWG, BLACK, LONGWELL (PH8BIEDJF0AA05B), RoHS EUR.(CEE),2P+G. BASE,16A/250V,L=1800mm,3Cx0.75mm ² ,BLACK, LONGWELL (PG8B9CIJG0A-05B),RoHS UK(BS/PSB),3P,3A/250V,L=1800mm,3C*0.75mm ² ,BLACK, LONGWELL (PG8B9X3JG0A-05B), RoHS |
| USB 3.1 Gen 1 cable | 1800 mm, 28AWG, with core, RoHS compliant |
| Software Information | |
| Supported Operating Systems | Windows 7, 8.x, 10 (32 & 64 bit) |
| Scanner Drivers | TWAIN, WIA, ISIS |

| Scanner Specifications | |
|------------------------|--|
| Bundled Software | Visioneer OneTouch® Visioneer Acuity Module |

VISIONEER® PATRIOT™ P90 PARTS LIST

| Part Name | Part Number | |
|-----------------------------|---|---|
| ADF Roller | 65-3268-000 |  |
| Pick-up Rollers | 65-3269-000 |  |
| Reverse (Separation) Roller | 65-3270-000 |  |
| USB 3.1 Gen 1 Cable | 65-2565-000 |  |
| AC Power Cord | 35-0103-001 (US) 35-0104-001 (EUR) 35-0105-001 (UK) |  |
| Power Supply | 37-0106-000 |  |

APPENDIX A: COPY REGULATIONS

UNITED STATES

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

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

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

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

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

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

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

Postal Money Orders.

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

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

- Adjusted Compensation Certificates for Veterans of the World Wars.
- Obligations or Securities of any Foreign Government, Bank, or Corporation.
- Copyrighted material, unless permission of the copyright owner has been obtained or the reproduction falls within the "fair use" or library reproduction rights provisions of the copyright law. Further information of these provisions may be obtained from the Copyright Office, Library of Congress, Washington, D.C. 20559. Ask for Circular R21.
- Certificates of Citizenship or Naturalization. (Foreign Naturalization Certificates may be photographed.)

- Passports. (Foreign Passports may be photographed.)
- Immigration Papers.
- Draft Registration Cards.
- Selective Service Induction Papers that bear any of the following Registrant's information:

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

Exception: U. S. Army and Navy discharge certificates may be photographed.

- Badges, Identification Cards, Passes, or Insignia carried by military personnel, or by members of the various Federal Departments, such as FBI, Treasury, etc. (unless photograph is ordered by the head of such department or bureau.)
- Reproducing the following is also prohibited in certain states: Automobile Licenses — Drivers' Licenses — Automobile Certificates of Title.

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

CANADA

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

- Current bank notes or current paper money.
- Obligations or securities of a government or bank.
- Exchequer bill paper or revenue paper.
- The public seal of Canada or of a province, or the seal of a public body or authority in Canada, or of a court of law.
- Proclamations, orders, regulations or appointments, or notices thereof (with intent to falsely cause same to purport to have been printed by the Queen's Printer for Canada, or the equivalent printer for a province).
- Marks, brands, seals, wrappers or designs used by or on behalf of the Government of Canada or of a province, the government of a state other than Canada or a department, board, Commission or agency established by the Government of Canada or of a province or of a government of a state other than Canada.
- Impressed or adhesive stamps used for the purpose of revenue by the Government of Canada or of a province or by the government of a state other than Canada.
- Documents, registers or records kept by public officials charged with the duty of making or issuing certified copies thereof, where the reproduction falsely purports to be a certified copy thereof.
- Copyrighted material or trademarks of any manner or kind without the consent of the copyright or trademark owner.

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

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Copying certain documents may be illegal in your country. Penalties of fine or imprisonment may be imposed on those found guilty of making such reproductions.

- Currency notes
- Bank notes and cheques
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

Note: this list is not inclusive and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.



INTELLIGENT SCANNING SOLUTIONS