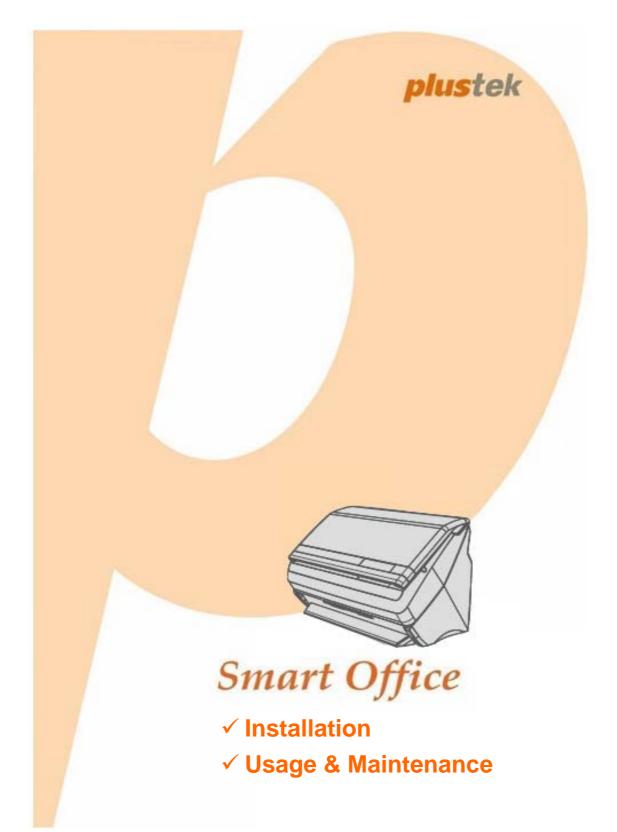
Scanner User's Guide



Trademarks

© 2019 Plustek Inc. All rights are reserved. No portion of this document may be reproduced without permission.

All trademarks and brand names mentioned in this publication are property of their respective owners.

Liability

While all efforts have been made to ensure the accuracy of all contents in this manual, we assume no liability for errors or omissions or by statements of any kind in this manual, whether such errors are omissions or statements resulting from negligence, accidents, or any other cause. The contents of this manual are subject to change without notice. We will not shoulder any legal liability, if users failed to follow the operation instructions in this manual.

Copyright

The scanning of certain documents, for example checks, bank notes, I.D. cards, government bonds, or public documents, may be prohibited by law and/or subject to criminal prosecution. We recommend you to be responsible and respectful of the copyrights laws when you are scanning books, magazines, journals and other materials.

Environmental Information

Recycle or disposal at end-of-life information, please ask local distributors or suppliers for recycle and disposal information. The product is designed and produced to achieve sustainable environmental improvement. We strive to produce products in compliance with global environmental standards. Please consult your local authorities for proper disposal.

The product packaging is recyclable.

Attention for recycling (For EU country only)

Protect your environment! This product should not be thrown into the household waste container. Please give it to the free collecting center in your community.

Screen Examples in This Manual

The screen shots in this guide were made with Windows 7. If you are using Windows XP / Vista / 8 / 10, your screen will look somewhat different but functions the same.

Table of Contents

INTRODUCTION	
How to Use This Guide	1
Conventions of This Guide	2
A Note about Icons	
Safety Precautions	
Minimum System Requirements	3
Box Contents	4
Scanner Overview	
Ultrasonic Sensor	7
CHAPTER I. INSTALLING THE SCANNER	8
Software Installation Requirements	8
Hardware Requirements	
Installing and Setting up the Scanner	
Step 1. Connecting the Scanner to Your Computer	
Step 2. Installing the Software1	
Step 3. Install the Stacker1	
Step 4. Testing the Scanner1	17
Installing Additional Software1	
CHAPTER II. SCANNING	0
Preparing Documents	
Checking Document Conditions	
Loosening Documents	
Placing Business Cards	
Placing Plastic Cards	
Scanning Documents	
Scanning via TWAIN Interface	
Scanning from the Scanner's Front Panel	
Scanning from the On-screen DocAction's Execute Menu	
Scanning from the Icon in the Left Side of the DocAction Window	
CHAPTER III. CARE AND MAINTENANCE	
Cleaning the Scanner	
Cleaning Materials	
Cleaning the ADF	
Replacing Consumables	
Replacing the Pad Module	
Replacing the Feed Roller	
Calibrating the Scanner	
Power Save	Ö
CHAPTER IV. TROUBLESHOOTING	7
Scanner Connection	7
Clearing Paper Jams	8
APPENDIX A: SPECIFICATIONS	9
APPENDIX B: CUSTOMER SERVICE AND WARRANTY	
Service & Support Information (For EU country only)	
Statement of Limited Warranty	

FCC Radio Frequency	Statement	43
---------------------	-----------	----

NTRODUCTION

Thank you for choosing us as your scanner supplier. Your new scanner will improve the professionalism of your day-to-day computing tasks by allowing you to input images and electronic text into your computer system. You can easily scan single-sided or double-sided documents with your scanner.

Like all of our products, your new scanner is thoroughly tested and backed by our reputation for unsurpassed dependability and customer satisfaction. We hope you will continue to turn to us for additional quality products as your computing needs and interests grow.

How to Use This Guide

This User's Guide provides instructions and illustrations on how to install and operate your scanner. This guide assumes the user is familiar with Microsoft Windows. If this is not the case, we suggest you learn more about Microsoft Windows by referring to your Microsoft Windows manual before using your scanner.

The Introduction section of this manual describes the box contents and minimum computer requirements to use this scanner. Before you start installing your scanner, check the box contents to make sure all parts are included. If any items are damaged or missing, please contact the vendor where you purchased your scanner or our customer service directly.

Chapter I describes how to install scanner's software and connect the scanner to your computer. Note: The scanner connects to your computer through the Universal Serial Bus (USB). If your computer does not support USB technology, you will need to purchase a USB interface card to add USB capabilities to your computer, or buy and install USB connectors if your motherboard has USB capabilities. This guide assumes that your computer is USB-ready and has a free USB port.

Chapter II describes how to use your scanner.

Chapter III describes how to maintain and clean your scanner.

Chapter IV contains technical support information that can help you solve simple problems.

Appendix A contains the specifications of the scanner you purchased.

Appendix B contains our customer service, the limited warranty agreement and FCC statement concerning the product.

CONVENTIONS OF THIS GUIDE

Bold — Represents commands or contents on your computer screen.

ALL CAPS —Important note or first use of an important term in a chapter.

Italic — Represents buttons on your scanner OR important notes.

A Note about Icons

This guide uses the following icons to point out information that deserves special attention.



Information

prevent injury, or accidents.

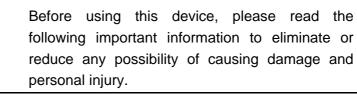
A procedure that must be followed carefully to

Instructions that are important to remember and may prevent mistakes.

Optional tips for your reference.

SAFETY PRECAUTIONS

Warning



- 1. Usage, the product is for indoor use in dry locations. Moisture condensation may occur inside this device and cause malfunction at these conditions:
 - when this device is moved directly from a cold to a warm location;
 - after a cold room is heated;
 - when this device is placed in a damp room.

To avoid the moisture condensation, you are recommended to follow the procedure:

- i. Seal this device in a plastic bag for it to adapt to room conditions.
- ii. Wait for 1-2 hours before removing this device from the bag.
- 2. Do use the AC adapter and USB cable provided with the scanner. Use of other AC adapter and cables may lead to malfunction.
- 3. Keep the space around the AC adapter clear in case you need to quickly unplug the AC adapter during emergencies.

- 4. Damaged wire could cause fire or electrical shock. Keep the power cord straight and without being twisted, bended, or scraped.
- 5. Unplug this device if you don't need to use for a certain period of time, such as, during night or long weekend, to avoid any risks of causing fire.
- 6. Do not attempt to disassemble the scanner. There is danger of an electrical shock and opening your scanner will void your warranty.
- 7. Be sure not to bump or knock the scanner glass as it is fragile and could break.
- 8. Do not subject the scanner to excessive vibration. It may damage the internal components.

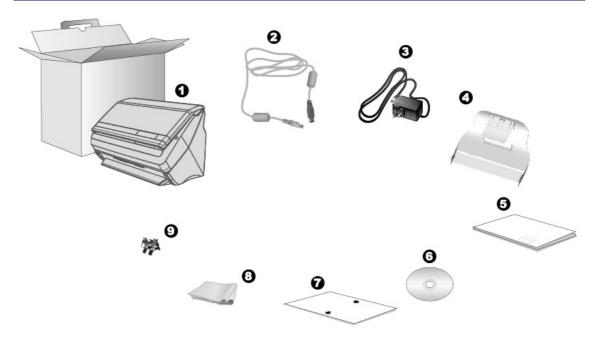
MINIMUM SYSTEM REQUIREMENTS¹

- PC with Intel Pentium[®]IV 2.4 GHz processor or compatible
- 1 GB RAM
- Available USB 2.0 port
- DVD-ROM Drive
- 2 GB Free Hard Disk Space
- Video card that supports 16-bit color or greater
- Operating System: Windows XP / Vista / 7 / 8 / 10

Systems with 2 GB RAM and 3 GB free hard diskInformationspace are recommended for optimal performance.

¹ Higher requirements may be needed when scanning or editing large quantities of images. The system requirements stated are only a guideline, generally the better the computer (motherboard, processor, hard disk, RAM, video graphic card), the better the results.

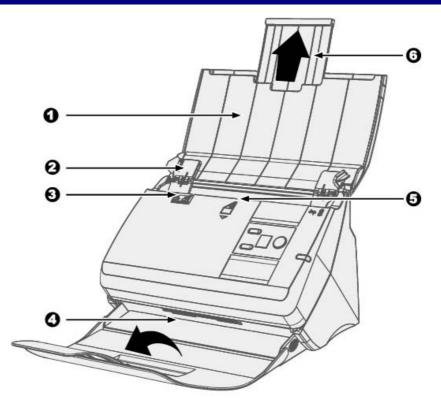
BOX CONTENTS²



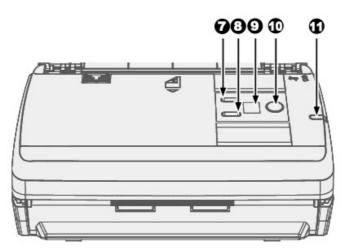
- 1. Scanner
- 2. USB Cable
- 3. AC Adapter
- 4. Stacker
- 5. Quick Guide
- 6. Setup/Application DVD-ROM
- 7. Calibration Sheet
- 8. Cleansing Cloth
- 9. Pad Module

 $^{^{\}rm 2}$ Save the box and packing materials in case you need to transport this scanner in the future.

SCANNER OVERVIEW

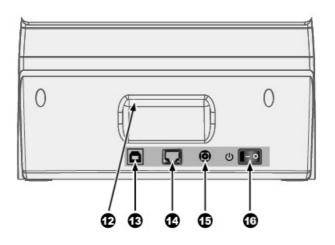


- 1. PAPER CHUTE COVER—Helps keep the paper in place. Open paper chute cover when using the scanner.
- 2. PAPER WIDTH SLIDER—Adjusts the paper width slider for the paper size you are using.
- 3. COVER OPEN LEVER—Opens the ADF cover. Pull it to open the ADF cover when you need to clear paper jam or clean the scanner.
- 4. STACKER—Keeps the paper in place. Extend it in case of longer paper.
- 5. ADF (AUTOMATIC DOCUMENT FEEDER)—Automatically feeds a stack of documents for scanning.
- 6. PAPER CHUTE EXTENSION—Extends to hold longer paper.



- 7. UP BUTTON—Press to move forward the scanning task number indicated in the function number display.
- 8. DOWN BUTTON—Press to move backward the scanning task number indicated in the function number display.
- 9. FUNCTION NUMBER DISPLAY—Indicates the number of the predefined scanning task selected by the up or down button.
- 10. SCAN BUTTON—Press to perform a predefined scanning task selected by the up or down button.
- 11. POWER LED—Indicates the scanner status.

Light	Status
Green	The scanner is turned on, ready to scan images.
Orange	The scanner is in standby mode. Simply press any scanner button on the scanner panel and the scanner will be back to the normal status.
Off	The scanner is off, either because the power is not turned on, or because the AC adapter is not properly plugged into an AC power outlet.

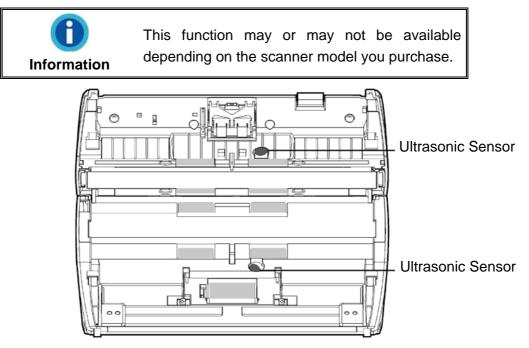


- 12. HAND HOLDER—Ergonomically designed for you to carry the scanner with ease.
- 13. USB PORT—Connects the scanner to a USB port on your computer by the included USB cable.
- 14. ETHERNET PORT³—Connects the scanner to a port on the Ethernet hub by the Ethernet cable.
- 15. POWER RECEPTOR—Connects the scanner to a standard AC power outlet by the included AC adapter.
- 16. POWER SWITCH—Use this to turn the scanner ON or OFF.

³ Ethernet Port is not included in all scanner models.

ULTRASONIC SENSOR

When scanning a stack of documents by ADF, the ultrasonic sensor detects multifeeds by checking paper overlap (i.e., 2 or more pages stuck together when being fed through the ADF). Clean the ultrasonic sensor lightly with a dry cloth if it is necessary.



CHAPTER I. INSTALLING THE SCANNER

Before installing your scanner, please verify that you have all of the proper components. A list of the package contents is provided in the "Box Contents" section of this guide.

SOFTWARE INSTALLATION REQUIREMENTS

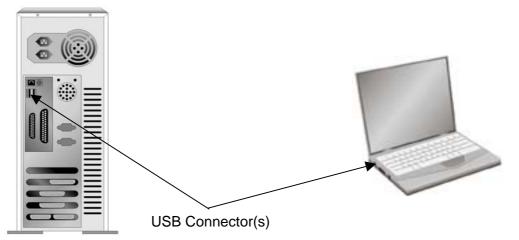
Your scanner comes with OCR software (Plustek OCR), the scanner's driver and DocAction. All of these software applications use approximately 800 megabytes of hard disk space after they are installed into your computer. To ensure ample room for the installation, as well as for scanning and saving images, a minimum of 2 GB of hard disk space is recommended.

This USB scanner can only operate under the Microsoft Windows XP / Vista / 7 / 8 / 10 operating system.

HARDWARE REQUIREMENTS

This scanner connects to your computer through the Universal Serial Bus (USB) which supports HOT PLUG AND PLAY. To determine whether your computer is USB-capable, you must check the rear of your PC to locate a USB jack that looks like the picture below. If you are having trouble in locating the USB port on your computer, please refer to the hardware manual that came with your computer.

Upon examination, you should find one or two rectangular USB ports, which usually appear as shown below.



If you don't find such USB ports on your computer, then you need to purchase a certified USB interface card to add USB capabilities to your computer.

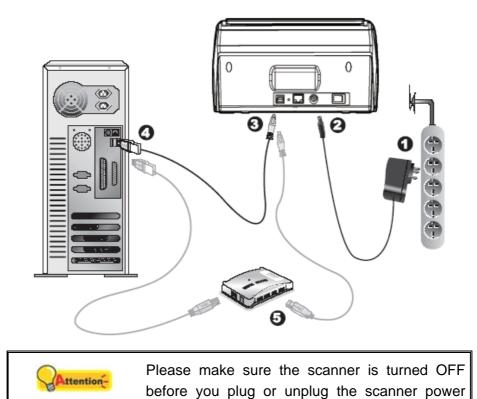
INSTALLING AND SETTING UP THE SCANNER

Please follow the step-by-step procedures described below to install the Plustek scanner.

	Choose a Proper Site First!				
	• Always place your scanner on a level,				
smooth and strong surface before proc					
	the scanner setup or any scanning task.				
Attention-	 Tilted or uneven surface may cause paper- 				
Attention	feeding errors, scanner damage or personal injury.				
	 Avoid using the scanner in a dusty 				
	environment. Dust particles and other foreign				
	objects may damage the unit.				

Step 1. Connecting the Scanner to Your Computer

Using the USB Cable to connect the Scanner and Your Computer



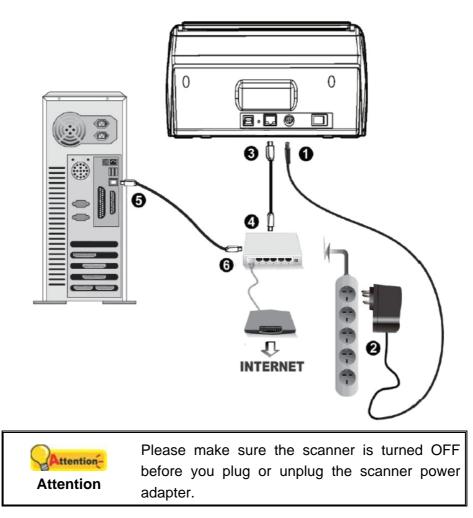
Attention adapter.

- 1. Plug the AC adapter into the scanner's power receptor $\ominus \bullet \bullet \bullet$.
- 2. Plug the other end of the AC adapter into a standard AC power outlet.
- 3. Plug the square end of the included USB cable to the USB port * at the rear of the scanner.

- 4. Plug the rectangular end of the USB cable to an available USB port on your computer.
- 5. If you plan to connect your scanner to a USB hub⁴, make sure that the hub is connected to the USB port in your computer. Next, connect the scanner to the USB hub.

Using the Ethernet Cable to connect the Scanner and Your Computer

(If your scanner does not have the Ethernet port, please skip this step.)



When you use the Ethernet cable to connect the scanner and your computer on the network, please do not connect the USB cable to the scanner at the same time. If you use both the USB cable and the Ethernet cable to connect the scanner and your computer, only the scanner USB port is working properly, but the function of the scanner Ethernet port will be disable. Please make sure to unplug the USB cable from the scanner when you use the Ethernet cable to connect the scanner and your computer.

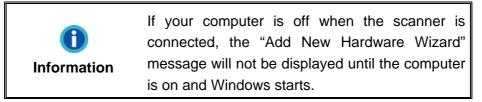
1. Plug the AC adapter into the scanner's power receptor ^{⊖...}

⁴ The USB hub is not included with the scanner.

- 2. Plug the other end of the AC adapter into a standard AC power outlet.
- 3. Plug the end of the Ethernet cable to the Ethernet port at the rear of the scanner.
- 4. Plug the other end of the Ethernet cable to an available port on the Ethernet hub⁵.
- 5. Plug the end of another Ethernet cable to the Ethernet port on the computer.
- 6. Plug the other end of the Ethernet cable to an available port on the Ethernet hub.

Step 2. Installing the Software

- 1. Switch on the scanner power from the rear of the scanner.
- If the USB components on your computer are functioning correctly, they will automatically detect the scanner causing the Add New Hardware Wizard or Found New Hardware Wizard to be launched.



- 3. For Windows XP:
 - a. Insert the Setup/Application DVD-ROM, included with your scanner, into your DVD-ROM drive.



- b. Select Install the software automatically recommended and click the Next button.
- c. Click the **Next** button in the window that appears. Afterwards, please skip to procedure 7.
- 4. For Windows Vista:
 - a. Select "Locate and install driver software (recommended)" when the "Found New Hardware" window is displayed.
 - b. Click on the **Continue** button when the "User Account Control" dialog pops up.
 - c. Insert the Setup/Application DVD-ROM, included with your scanner, into your DVD-ROM drive when the system prompts you "Insert the disc that came with your USB Scanner", and click on the **Next** button. Afterwards, please skip to procedure 8.

⁵ The Ethernet hub is not included with the scanner.

5. For Windows 7:

When the Setup/Application DVD is for several scanner models

- a. Insert the Setup/Application DVD-ROM, included with your scanner, into your DVD-ROM drive. Click **Run install.exe** in the **AutoPlay** window.
- b. Click on the **Yes** button if the **User Account Control** dialog pops up. Follow the instructions in the pop-up installation message.
- c. In the Device Manager window, right-click on this scanner under Other devices and select Update Driver Software from the pop-up menu. Click Browse my computer for driver software in the window that appears, and click the Browse button.
- d. In the Browse For Folder window, select the folder or the DVD-ROM drive that contains this scanner's driver and click the OK button to return to the previous screen. Click the Next button and click Install this driver software anyway if the Windows Security window appears. Afterwards, please skip to procedure 9.

When the Setup/Application DVD is for one scanner model

- a. Insert the Setup/Application DVD-ROM, included with your scanner, into your DVD-ROM drive. Click **Run install.exe** in the **AutoPlay** window.
- b. Click on the **Yes** button if the **User Account Control** dialog pops up. Afterwards, please skip to procedure 9.
- 6. For Windows 8 & Windows 10:
 - a. Insert the Setup/Application DVD-ROM, included with your scanner, into your DVD-ROM drive. Click on the pop-up notification, then click **Run install.exe** in the pop-up window. If you miss the pop-up notification, please eject and reinsert the Setup/Application DVD-ROM.
 - b. Click on the **Yes** button if the **User Account Control** dialog pops up. Afterwards, please skip to procedure 9.
- 7. During the process of the installation, a message "Windows can't verify the publisher of this driver software" might be prompted. Please ignore it, and click on **Install this driver software anyway** to continue the installation without any misgiving at your scanner functioning.
- 8. When the system completes the installation, click the **Finish** button.
- Follow the on-screen instructions to install all software that your new scanner requires. If the pop-up wizard window appears click Next, and click Install this driver software anyway in the Windows Security window then click Finish in the wizard window.

10. (If your scanner does not have the Ethernet port, please skip this Step.)

Select the method to connect the scanner and your computer.

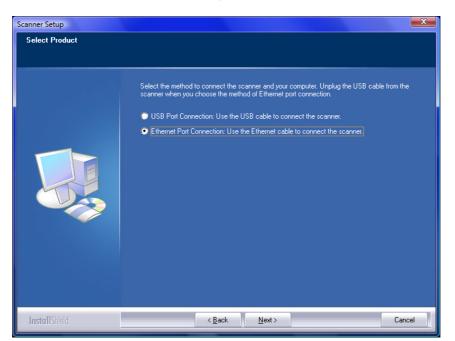
Using the USB cable to connect the scanner and your computer

a. Select the **USB Port Connection** option. Follow the on-screen installation instructions. Afterwards, please skip to procedure 11.

Scanner Setup	
Select Product	
	Select the method to connect the scanner and your computer. Unplug the USB cable from the scanner when you choose the method of Ethernet port connection.
	USB Port Connection: Use the USB cable to connect the scanner.
	Ethernet Port Connection: Use the Ethernet cable to connect the scanner.
InstallShield	< <u>B</u> ack Next> Cancel

Using the Ethernet cable to connect the scanner and your computer in a network environment with a DHCP server

a. Select the **Ethernet Port Connection** option. Please make sure to unplug the USB cable from the scanner when you choose this option.



b. Follow the on-screen installation instructions. Please use the Scanner Search Tool to search available scanners and select the desired scanner to be used, and then click Connect Device button to make connection. (If the Windows Security Alert window appears during the search tool execution, please unblock the search tool from the firewall to make sure the connecting process is working properly.) Refer to the online help of Scanner Search Tool to explorer more about Scanner Search Tool!

Please use the Scanner Search Tool to search available scanners and select the desired scanner to be used, and then click "Connect Device" button to make connection. (If the Windows Security Alert window appears during the search tool execution, please unblock the search tool from the firewall to make sure the connecting process is working properly.) Please click the button to confirm and continue the installation process				
	ОК			
	arch Tool			
Scanner Sear File Options				
Device	Status Information			
	Network ADF Scanner 1 (10.1.0.16)			
	Dther (MAC: 0:15:8e:50:0)			
	Search Connect Device			

c. After you make sure the Scanner Search Tool is working properly and the scanner connection status indicates Locally Connected, please click the OK button to confirm the status. Afterwards, please skip to procedure 11.

Using the Ethernet cable to connect the scanner and your computer in a network environment with static IP allocation

- a. Disconnect your computer from your network environment by unplugging the network cable from your computer. Connect the scanner and your computer using an Ethernet cable.
- b. Select the **Ethernet Port Connection** option. Please make sure to unplug the USB cable from the scanner when you choose this option.

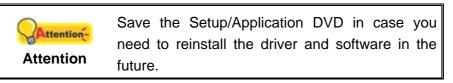
Scanner Setup	
Select Product	
	Select the method to connect the scanner and your computer, Unplug the USB cable from the scanner when you choose the method of Ethernet port connection.
	USB Port Connection: Use the USB cable to connect the scanner.
	Ethernet Port Connection: Use the Ethernet cable to connect the scanner.
InstallShield	< Back Next > Cancel

- c. Follow the on-screen installation instructions. Please use the Scanner Search Tool to search available scanners. (If the Windows Security Alert window appears during the search tool execution, please unblock the search tool from the firewall to make sure the connecting process is working properly.) Refer to the online help of Scanner Search Tool to explorer more about Scanner Search Tool!
- d. Select the desired server icon ^C in the scanner list. Click Server Configurations from the Options menu. Untick the Use DHCP option and modify the IP Address and Subnet to match your network environment. Please consult your network administrator for the IP Address and Subnet. Please make sure that the setting is valid and correct. Do not enter an IP address that already exists in the network. Click the Set button to save settings.
- e. Unplug the network cable from the scanner and your computer. Plug the end of the Ethernet cable from "step a" to the Ethernet port of your computer. Plug the end of another Ethernet cable to the Ethernet port at the rear of the scanner. Plug the other end of the Ethernet cable to an available port on the Ethernet hub.

f. Please search available scanners again and select the desired scanner icon
 to be used, and then click **Connect Device** button to make connection.

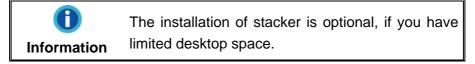
ᅌ Scanner Search Tool		
File Options View Help		
Device	Status	Information
E 👌 Network ADF Scanner 1 (10.1.4	0.16)	
— 🚽 Other	Tree Free	Network ADF SCANNER (MAC: 0:15:8e:50:0)
S s	earch	Connect Device

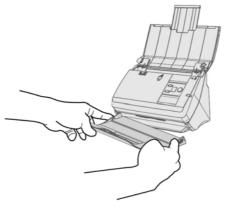
- g. After you make sure the **Scanner Search Tool** is working properly and the scanner connection status indicates **Locally Connected**, please click the **OK** button to confirm the status.
- 11. After the installation is complete, close all open applications and click the **Finish** button to restart your computer.



Step 3. Install the Stacker

Insert the tabs on the stacker onto their slots on the scanner.



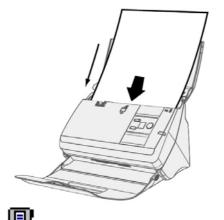


Step 4. Testing the Scanner

The following describes how you can check if the scanner is properly functioning with your computer and the scanning software. Before testing your scanner, double check to make sure that all connections are securely fastened.

To test the ADF scanning:

1. Load a document headfirst and face down into the ADF with the text side facing the paper chute.



- 2. Double-click the icon in the Windows system tray.
- Within the "Button Configuration" window, select a task number by clicking on the icon. Select the desired function from the drop-down list of Button Template and adjust button settings. Select ADF (Front Side) as the Scan Type. Click OK to exit the "Button Configuration" window.
- 4. Right-click the icon in the Windows system tray, and then choose **Execute** in the pop-up menu that opens. Click the desired button function item in the pop-up menu.
- 5. The document in the ADF paper chute should be now loaded into the ADF and scanned. The scanner starts to scan immediately and carry out the corresponding action according to settings you have set up in the "Button Configuration" window.

INSTALLING ADDITIONAL SOFTWARE

Your scanner is TWAIN compliant and functions with virtually all available TWAIN compatible software. If you purchase additional software to be used with your scanner, please make sure that it conforms to the TWAIN standard.

CHAPTER II. SCANNING

Your scanner needs to be driven by certain type of software program. Since all documents or images (whether text or pictures) that are acquired from the scanner are treated by your computer as images, most scanning will probably be done from an image-editing program where you can view, edit, save and output the scanned images.

What about scanning text documents and editing them in a word processor? This is the role of Optical Character Recognition (OCR) software. OCR software converts the image files that are created from scanning text documents into text files that can be viewed, edited and saved by word processors. An OCR program has also been bundled on the included Setup/Application DVD-ROM, and if you wish to use the scanner in this way you should install the OCR software that is included.

The DocAction program, seamlessly integrating the operation of your scanner with your computer and other peripherals, provides a quick and convenient way to perform various scanning functions. With DocAction, you don't need to adjust settings every time you scan. Simply press any button on the scanner's front panel or click any scanning menu item of DocAction on the screen. The scanner starts to scan your paper documents and transfer them to your assigned destination. The destination can be a printer, your E-mail program, files on your disk drives, an image-editing program, etc.

Please refer to the online help of each program to guide you through any questions you may have while scanning within that program.

This chapter describes three important steps of scanner operations. Read them thoroughly and follow the instructions to ensure correct use and optimal scanner performance.

Step 1. Preparing Documents

Step 2. Placing Documents, Placing Business Cards, Placing Plastic Cards

Step 3. Scanning Documents

PREPARING DOCUMENTS

Proper document preparation prior to the scan can prevent paper feed errors and damages to the scanner.

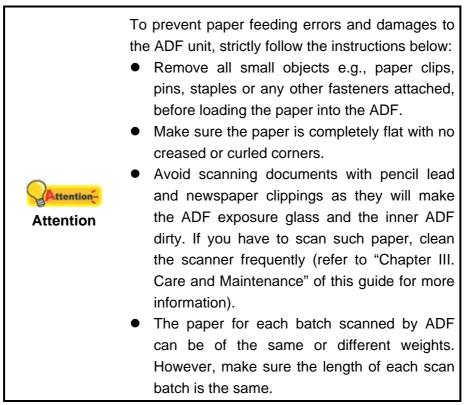
- Checking Document Conditions
- Loosening Documents

Checking Document Conditions

Make sure the size and ream weight of your documents are acceptable by the scanner. Refer to "Appendix A: Specifications" of this guide for more information.

To scan multiple documents in a batch from the ADF can increase your work efficiency and make large scanning tasks easier. The ADF of this scanner accepts a variety of paper and stationery you may use in your daily work or personal life, such as:

- Normal paper whose size and ream weight meet the requirements stated in "Appendix A: Specifications" of this guide.
- Notched paper
- Coated paper (e.g., brochure)



However, don't use the ADF to scan documents if they meet any of the following conditions:

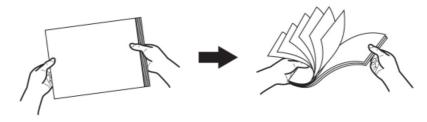
- Paper lighter than 50 g/m² (14 lb.) or heavier than 105 g/m² (28 lb.)
- Paper with clips or staples attached
- Paper with inconsistent thickness, e.g., envelops
- Paper with wrinkles, curls, folds, or tears
- Paper with an odd (non-rectangular) shape
- Paper with static electricity
- Tracing paper
- Carbon paper, pressure sensitive paper, carbonless paper
- Items other than paper, e.g., cloth, metal foil.

Attention-	 DO NOT use the ADF to scan photographic sheets or particularly valuable document originals; wrinkles or other damages can happen in case of paper feeding errors. DO NOT place paper with wet ink or correction fluid into the ADF. Wait few minutes for it to get dry.
------------	--

Loosening Documents

Before loading documents into the ADF, loosen them as follows:

1. Fan the documents so that no two pages are sticking together. Make sure to remove static electricity from paper.



2. Hold the documents upside down with both hands, and then gently push them onto a flat surface to align the edges of all documents.



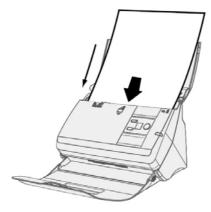
This will allow documents being fed into the ADF one at a time and prevent paperfeeding errors.

PLACING DOCUMENTS

1. Load the documents, headfirst and face down, toward the center of the ADF paper chute and all the way into the ADF until touching the bottom.

For single-sided scans, load the documents face down so that the side to be scanned faces towards the paper chute.

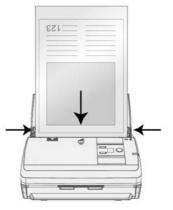
For double-sided scans, load the desired page order of documents face down so that the side to be scanned faces towards the paper chute.

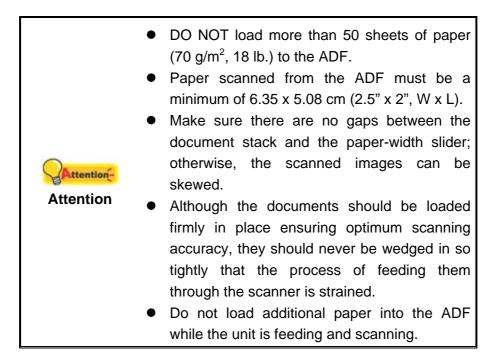


2. If you need to scan longer documents, pull out the paper chute extension and the stacker extension to provide further support for the documents.



3. Adjust the paper width slider for the paper size you are using. The paper width slider should be gently touching both sides of the documents.





PLACING BUSINESS CARDS

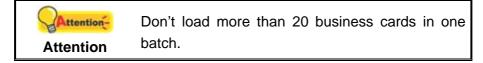
1. Load the business cards, headfirst and face down, toward the center of the ADF and all the way into the ADF until touching the bottom.

For single-sided scans, load the business cards face down.

For double-sided scans, load the business cards in desired order.



2. Adjust the paper width slider to the business card width. The paper width slider should be gently touching both sides of the business cards.



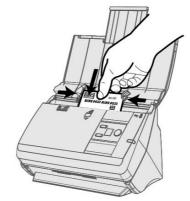
PLACING PLASTIC CARDS

The plastic card can be embossed credit card, driver license, ID card, insurance card, medic-care card or any membership card. Make sure to load the embossed face of the embossed card face up into the scanner.

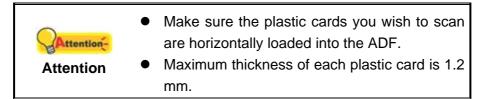
1. Horizontally load the plastic card, headfirst and face up, toward the center of the ADF.

For single-sided scans, load the card face up.

For double-sided scans, load the card in desired order.



2. Adjust the paper width slider to the card width. The paper width slider should be gently touching both sides of the card.

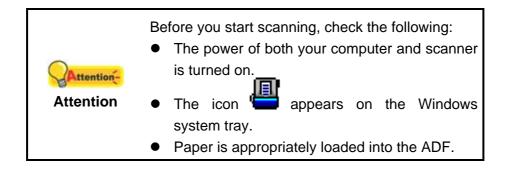


SCANNING DOCUMENTS

There are 4 different ways to operate the scanner:

- 1. By acquiring images from the scanner through our TWAIN interface within any TWAIN-compliant application programs.
- 2. By scanning from the buttons on the scanner front panel.
- 3. By scanning from DocAction's Execute menu on the screen.
- 4. By scanning from the icon in the left side of the DocAction window.

The TWAIN interface and DocAction software is automatically installed to your system along with the scanner driver.



Scanning via TWAIN Interface

The TWAIN program is a very important piece of software that comes with your scanner. This program acts as an interface between the scanner hardware and the image-editing software you are using to view and edit images. The TWAIN program allows you to adjust a number of settings to define the quality of the scanned image.

The following describes how you may use your TWAIN compatible program to scan via the TWAIN interface. When you get familiar with the scanning, you may alternatively use other TWAIN compatible scanning program or image-editing application to do your scanning projects.

Select the Scan Source:

If you have more than one scanner or other imaging devices installed on your computer, you need to set this scanner as the default scanning source before you acquire TWAIN program. Please refer to your TWAIN compatible program manual for more information about the settings.

Scan within your TWAIN compatible program:

- 1. Launch your TWAIN compatible program.
- 2. Open the TWAIN window within your TWAIN compatible program. Please refer to your TWAIN compatible program manual for detailed information.
- 3. In the TWAIN window that opens, select **ADF (Front Side)** as the Scan Type if you want to scan single-sided documents, or select **ADF (Duplex)** to scan double-sided documents.

Profile:		•	Save	Manage
Main Advanced Preferences About	ណា			
Scan Type: ADF (Duplex)				
Individual Settings				
🦳 Merge Pages 📃 Split				
C Horizontally C Vertically				
Manual Merging Adjustment				
Card Scanning Mode				
Page Size: Automatic Size 💌				
Scan Mode: 24-bit Color 💌				
Document Type: Photo & Text				
Resolution: 200 💌 200				
Brightness: 4				
Contrast: 4 35				
Page Settings				
Auto Crop Auto Rotate				
Auto Deskew 🔽 Auto Density				
Rotate: None. Inverse: Off				
Flip Horizontally: Off, Flip Vertically:				
Off Configure	Front S	ide	Rears	Side
	0	-		N
Scan Preview Exit Help				

4. Adjust the scanning settings. For ADF (Duplex) scan, you can tailor settings individually for front and rear sides of the documents. Click Front Side button to adjust the scanning settings of document front side and then click Rear Side button to adjust the scanning settings of document rear side.

You can enable the function of **Merge Pages** only when you select **ADF** (**Duplex**) as **Scan type** and **Automatic Size** as **Page Size** to output the scan images of both front and rear sides in one image. After the function of **Merge Pages** is enabled, you can make the selection of **Horizontally** to generate both front and rear image data horizontally in a joined image (the rear image will be placed at the right side next to the front image), or make the selection of **Vertically** to generate both front and rear image will be placed below the front image).

- 5. Load one page of the document and click the **Preview** button. The scanned image should appear in the Preview Window. To define the margins and crop out sections of the image you don't want scanned, use the mouse to click and drag the corners or sides of the scan area borders. Adjust the scan settings again if the preview image doesn't satisfy your needs.
- 6. Load all pages of the document and click the **Scan** button.
- 7. When the scan finishes, click the **Exit** button to close the TWAIN window. The scanned images are displayed in your TWAIN compatible program, and you may perform the image editing tasks.

Click the **Help** button within the TWAIN window for more information about the settings.

Scanning from the Scanner's Front Panel

To complete your scanning projects by using the scanner buttons is very easy and convenient. The number of scanning task displayed on the scanner's front panel is configured through DocAction. DocAction offers you quick access to the most frequently-used scanning functions. They are especially useful when you need to repeatedly scan with the same settings and send images to the same destination. Before performing your first scan via scanner buttons, you are recommended to configure the button settings to your needs and preferences first.

Scan from the Scanner Buttons

- 1. Place the document or images onto the scanner. (Refer to "Chapter II. Scanning" of the Scanner User's Guide for more information in placing paper into the ADF properly.)
- Check current button settings by viewing the Button Configuration window. If needed, you may also modify settings to meet your current needs. (Refer to "View Button Settings" and "Configure Button Settings" below for more information.)
- 3. Press the UP or DOWN button to select the desired task.
- 4. Press the **Scan** button.

The scanner starts to scan immediately and carry out the corresponding action according to settings you have set up in the Button Configuration window.

AttentionPlace only text documents for OCR purposes. DoAttentionnot scan a photo using the OCR button.

Configure Button Settings

Within the "Button Configuration" window, you can find a row of icons running through the left side of the window. Each icon represents a scanning task, and the number underneath corresponds to the function number displayed on the scanner front panel. Nine frequently-used scanning tasks are pre-configured for your convenience to start scanning immediately. You may, however, customize the settings of every nine tasks to best meet your needs and preferences. Follow the steps described below:

- 1. Do one of the following to open the Button Configuration window:
 - Double-click the icon in the Windows system tray.
 - Right-click the icon in the Windows system tray, and then choose **Button Configuration...** in the pop-up menu that opens.
- 2. Select a task number by clicking on the icon.

3. Select the desired function from the drop-down list of Button Template and adjust button settings.

Click the **Help** button within the Button Configuration window for more information about the settings.

View Button Settings

There are 2 ways to view the button settings:

- Double-click the icon in the Windows system tray.
- Right-click the icon in the Windows system tray, and then choose **Button Configuration...** in the pop-up menu that opens.

Scanning from the On-screen DocAction's Execute Menu

You may also use DocAction's on-screen Execute menu to perform the same scanning tasks. The DocAction program provides a quick and convenient way to perform various scanning functions. Follow the steps described below:

- 1. Place the document or images onto the scanner.
- 2. Check current button settings by viewing the Button Configuration window. If needed, you may also modify settings to meet your current needs.

凬

- 3. Right-click the icon in the Windows system tray, and then choose **Execute** in the pop-up menu that opens.
- 4. Click the desired button function item in the pop-up menu.

The scanner starts to scan immediately and carry out the corresponding action according to settings you have set up in the Button Configuration window.

Scanning from the Icon in the Left Side of the DocAction Window

You can perform scanning task by double-clicking the icon in the left side of the DocAction window. Follow the steps described below:

- 1. Place the document or images onto the scanner.
- 2. Check current button settings by viewing the Button Configuration window. If needed, you may also modify settings to meet your current needs.
- 3. Double-clicking the desired icon in the left side of the DocAction window.

The scanner starts to scan immediately and carry out the corresponding action according to settings you have set up in the Button Configuration window.

CHAPTER III. CARE AND MAINTENANCE

Your scanner is designed to be maintenance-free. However, constant care and maintenance can keep your scanner working smoothly.

CLEANING THE SCANNER

Paper powder, dust, ink and toner from paper being scanned may make the inner ADF dirty, which leads to poor image quality or document-feeding errors. How often to clean your scanner depends on the type of paper and number of pages being scanned.

Perform the following procedures to clean the scanner surface and the ADF unit. Gently wipe locations described herein. Do not rub too hard.

	• Before cleaning the scanner, turn off the
	scanner and disconnect the scanner's power
	cable and USB cable, and then wait a few
	minutes for the glass and/or the inner ADF to
Warning	cool to ambient temperature.
	• Wash your hands with soap and water after
	cleaning the scanner.

Cleaning Materials

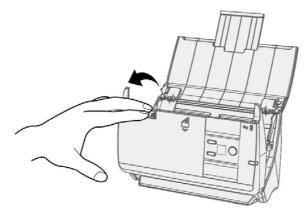
Have the following cleaning materials ready to clean the scanner:

- soft, dry, lint-free cloth (or a cotton swab)
- non-abrasive cleaner—Isopropyl alcohol (95%). DO NOT use water.

Attention-	 Alternatively you can use glass cleaner or neutral detergent for windows cleaning to clean the scanner glass. However, DO NOT use either of them to clean the ADF feed roller or pad module. Use of other cleaning materials could damage
	your scanner.

Cleaning the ADF

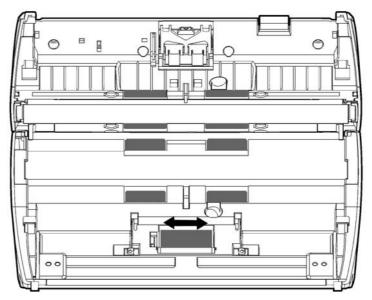
1. Open the ADF cover by pulling the lever.



2. Gently wipe the following areas with the cloth dampened with the cleaner. Be careful NOT to scratch their surfaces.

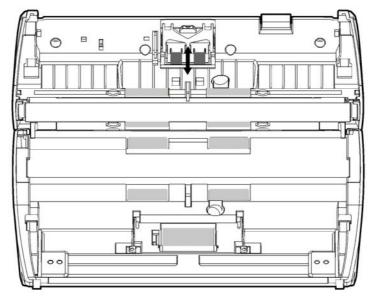
Clean Feed Roller:

Wipe the Feed Roller from side to side and then rotate it. Repeat this until its entire surface is cleaned.

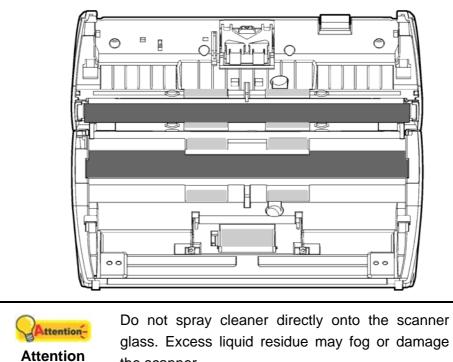


Clean Pad Module:

Wipe the Pad Module from top to bottom (in the direction of arrow shown in below picture). Be careful not to damage the pick springs of the pad.



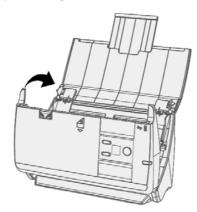
Clean ADF Glass:



3. Wait for cleaned areas to dry completely.

the scanner.

4. Close the ADF cover by pushing it back down until it snaps back into place.

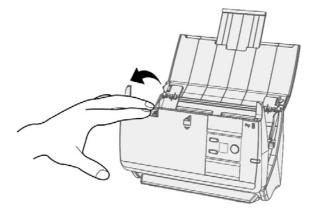


REPLACING CONSUMABLES

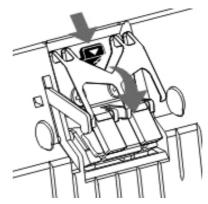
As a guideline, it is recommended to replace the pad module every 50000 sheets of scans. The Counter Utility program automatically counts the number of sheets scanned by your scanner and how many times the consumables are used. After replacing consumables, please reset the counter to 0. From the Windows **START** menu, point to **All Programs** > **Your Scanner Model Name**, and then click **Scanner Utility**. (For Windows 8.1 users: Point your mouse cursor to the upper or lower right corner of your screen to open the **Charm** bar. Click on the **Start** charm, then click on the downwards arrow button in the lower left corner of the screen. The **Apps** screen will be shown. Move your cursor to the right edge of the screen to scroll right until you find **Your scanner model name**, and then click on **Scanner Utility**.) The **Scanner Utility** window opens. Find the **Counter Utility** section. Refer to the online help of Scanner Utility to explore more about Counter Utility.

Replacing the Pad Module

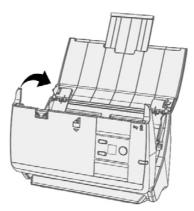
1. Open the ADF cover by pulling the cover open lever.



2. Remove the pad module by pressing the open knob of the pad module and pull it out.

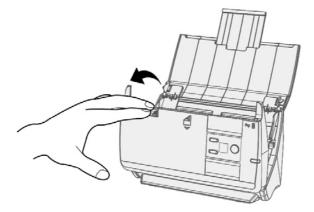


- 3. Install the new pad module by inserting the tabs on the module onto their slots on the scanner.
- 4. Close the ADF cover by pushing it back down until it snaps back into place.

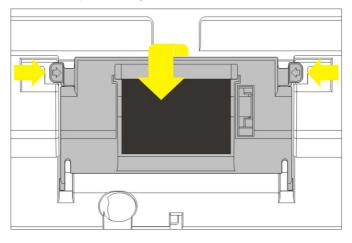


Replacing the Feed Roller

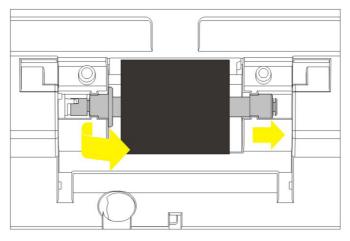
1. Open the ADF cover by pulling the cover open lever.



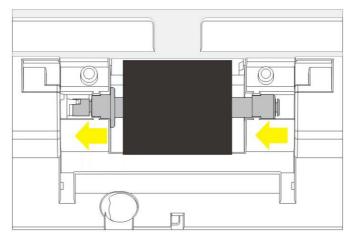
2. Open the roller cover by pinching both sides of the roller cover.



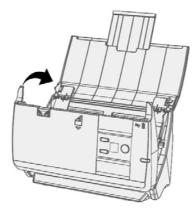
3. Remove the feed roller and pull it out.



4. Install the new feed roller by aligning and inserting the feed roller onto the roller pitman on the scanner.



- 5. Close the roller cover by pushing it back down until it snaps back into place.
- 6. Close the ADF cover by pushing it back down until it snaps back into place.



CALIBRATING THE SCANNER

Calibrate the scanner if colors appear in areas that should be white, or colors of the scanned image and the original vary a lot. This allows you to adjust and compensate for variations that can occur in the optical component over time by its nature.

The following describes how to calibrate the scanner:

- 1. The Calibration Sheet, marked with an arrow on either edge at both sides, is used specially for **ADF Scanning** calibration.
- 2. Insert the special calibration sheet into the ADF of the scanner, with an arrow toward the scanner buttons.



- 3. Click Start > All Programs > Your scanner model name > Calibration Wizard. (For Windows 8.1 users: Point your mouse cursor to the upper or lower right corner of your screen to open the Charm bar. Click on the Start charm, then click on the downwards arrow button in the lower left corner of the screen. The Apps screen will be shown. Move your cursor to the right edge of the screen to scroll right until you find Your scanner model name, and then click on Calibration Wizard.)
- 4. Click **Next** from the Calibration Wizard that pops up and then click **Calibrate Now...**
- 5. Click on the Start button to begin the calibration process.
- 6. The scanner pulls the calibration sheet through the scanner, which completes this scanner calibration. After the calibration is complete, click **OK** and then click **Finish**.

POWER SAVE

To save power consumption, when the scanning process is finished, the scanner light source will turn itself off and the scanner will enter a lower-power mode without delay time.

CHAPTER IV. TROUBLESHOOTING

If you encounter problems with your scanner, please review the installation and scanning instructions contained in this guide.

Before you ask for customer service or repair, please refer to the information in this chapter and consult our FAQ (Frequently Asked Questions) in which you can find useful self troubleshooting information. From the Windows **START** menu, point to **All Programs > Your Scanner Model Name**, and then click **FAQ**. (For Windows 8.1 users: Point your mouse cursor to the upper or lower right corner of your screen to open the **Charm** bar. Click on the **Start** charm, then click on the downwards arrow button in the lower left corner of the screen. The **Apps** screen will be shown. Move your cursor to the right edge of the screen to scroll right until you find **Your scanner model name**, and then click on **FAQ**.)

SCANNER CONNECTION

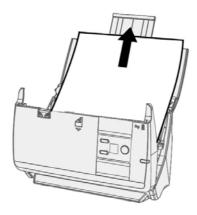
The first step to take when troubleshooting connection problems with your scanner is to check all physical connections. The icon , located on the Windows system tray, indicates if the scanner software is properly launched and the scanner and computer are communicating with each other.

Appearance	Status
<u>a</u>	The program has been successfully launched and the scanner is connected with the computer, ready to scan images.
8	The scanner is not connected with the computer. Or, the scanner power is not switched on. Or, the scanner is in standby mode.
No Display	You have chosen to terminate the program, no matter the scanner is connected or disconnected with the computer.

CLEARING PAPER JAMS

If a paper jam in the ADF happens, please perform the following steps:

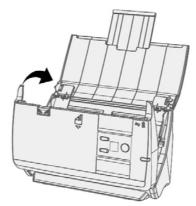
- 1. Remove any unjammed documents still loaded into the ADF.
- 2. Open the ADF cover by pulling the cover open lever.
- 3. Gently but firmly pull the jammed documents out of the ADF. Try to avoid creasing or wrinkling the documents.





Do not try to pull jammed or half-scanned documents out of the ADF without first opening the ADF cover. Doing so may permanently damage the ADF.

4. Close the ADF cover by pushing it back down until it snaps back into place.



APPENDIX A: SPECIFICATIONS⁶

Plustek PN30U		
Image Sensor	CIS x 2	
Light Source	LED	
Optical Resolution	600 dpi	
Hardware Resolution	600 x 600 dpi	
Scan Modes	Color: Input 48-bit,Output 24-bit Grayscale: Input 16-bit,Output 8-bit Black & White: 1-bit	
ADF Capacity	 50 sheets (A4/ Letter, 70 g/m² or 18 Lbs), Max. thickness under 5mm (0.2"). 20 sheets (Business Cards). Plastic Card, Max. thickness under 1.2 mm. Note: Maximum ADF capacity varies, depending upon paper weight. 	
Scanning Speed (ADF)	30 ppm/ 60 ipm (Grayscale mode, 200 & 300 dpi, A4 Portrait) 30 ppm/ 60 ipm (B&W mode, 200 & 300 dpi, A4 Portrait) 30 ppm/ 60 ipm (Color mode, 200 & 300 dpi, A4 Portrait) Note: Results may vary depending upon your scanning application, computer processor and system memory.	
Scanning Area (W x L)	Max: 216 x 5080 mm (8.5" x 200") Min: 13.2 x 13.2 mm (0.52" x 0.52")	
Acceptable Paper Sizes (W x L)	Max: 220 x 5080 mm (8.66" x 200") Min: 63.5 x 50.8 mm (2.5" x 2")	
Acceptable Paper Weight (Thickness)	50 to 105 g/m² (14 to 28 Lbs)	
Multi-feed Detection	With ultrasonic technology	
Daily Duty Scan (Sheets)	4,000	
Roller Lifetime (Scans)	300,000	
Pad Lifetime (Scans)	50,000	
Action Button	3 Buttons: Up, Down, Scan. 9 Function Keys. All Customizable.	
Power Supply	24 Vdc/ 0.75 A	

⁶ Hardware specifications may change at any time without prior notice.

Interface	USB 2.0 / RJ45 LAN
Net Weight	1.66 Kgs (3.66 Lbs)
Dimensions (W x D x H)	263 x 128 x 148 mm (10.36" x 5.02" x 5.83")
Protocol	TWAIN Compliant

APPENDIX B: CUSTOMER SERVICE AND WARRANTY

Please visit our website www.plustek.com for more customer service information. For further assistance, visit our website or call our customer support phone number listed on the website. One of our representatives will be happy to assist you from Monday through Friday in office working hours.

To avoid delays, please have the following information available before calling:

- Scanner name and model number
- Scanner serial number (Located at the bottom of the scanner)
- Scanner DVD version and part number
- A detailed description of the problem
- Your computer manufacturer and its model number
- The speed of your CPU
- Your current operating system and BIOS (optional)
- Name of software package(s), version or release number and manufacturer of the software
- Other USB devices installed

SERVICE & SUPPORT INFORMATION (FOR EU COUNTRY ONLY)

Where appropriate, the period of availability of spare parts and the possibilities of upgrading products information. Please ask local distributors and suppliers for spare parts information and product upgrade information.

Information requested by relevant Implementing Measure. Please ask local distributors and suppliers for the related information of Implementing Measure test report.

Do not dispose anything of products before you ask local distributors and suppliers to get correct information for decreases of environmental impact with right methods and procedures.

If you want to disposals the product and/or an accessory, please ask local distributors and suppliers to get the contact information of nearest disposal manufactures.

If you have any maintenance inquiry, please ask local distributors and suppliers to get the contact information of nearest maintenance center in order to extend the product usage life time. If you want to maintain and clearance the product, please ask local distributors and suppliers to get the right information of nearest stores.

STATEMENT OF LIMITED WARRANTY

This Statement of Limited Warranty applies only to the options you originally purchase for your use, and not for resale, from an authorized reseller.

The manufacturer warranty includes all parts and labor, and is not valid without the receipt of original purchase. To obtain warranty service, you may contact the authorized dealer or distributor, or visit our website to check out the available service information, or send a request via E-mail for further help.

If you transfer this product to another user, warranty service is available to that user for the remainder of the warranty period. You should give your proof of purchase and this statement to that user.

We warrant that this machine will be in good working order and will conform to its functional descriptions in the documentation provided. Upon provision of proof of purchase, replacement parts assume the remaining warranty of the parts they replace.

Before presenting this product for warranty service, you must remove all programs, data and removable storage media. Products returned without guides and software will be replaced without guides and software.

This Limited Warranty service does not provide for carry-in exchange when the problem results from accident, disaster, vandalism, misuse, abuse, unsuitable environment, program modification, another machine or non-vendor modification for this product.

If this product is an optional feature, this Limited Warranty applies only when the feature is used in a machine for which it was designed.

If you have any questions about your Limited Warranty, contact the approved retailer from whom you bought the product or the manufacturer.

THIS LIMITED WARRANTY REPLACES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. HOWEVER, SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES. IF THESE LAWS APPLY, THEN ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO OTHER WARRANTIES APPLY AFTER THAT PERIOD.

Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

Under no circumstances are we liable for any of the following:

1. Third party claims against you for losses or damages.

- 2. Loss of, or damage to, your records or data; or
- 3. Economic consequential damages (including lost profits or savings) or incidental damages, even if we are informed of their possibility.

Some jurisdictions do not allow the exclusion or limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from jurisdiction to jurisdiction.

FCC RADIO FREQUENCY STATEMENT

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 instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular 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 to an outlet on a circuit different from that which the receiver is connected.
- Shielded interconnect cables and shielded power cord which are supplied with this equipment must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device.
- Consult the dealer or an experienced radio/TV technician for help if the conditions persist.
- Changes or modifications not expressly approved by the manufacturer or authorized service center could void the user's authority to operate this equipment.

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