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Button Manager

User's Manual

Press a Button & Scan to E-mail, Printer,
or Other Favorite Destinations!

DjVu & Searchable PDF Available!



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1. Installing the Button Manager

System Requirements

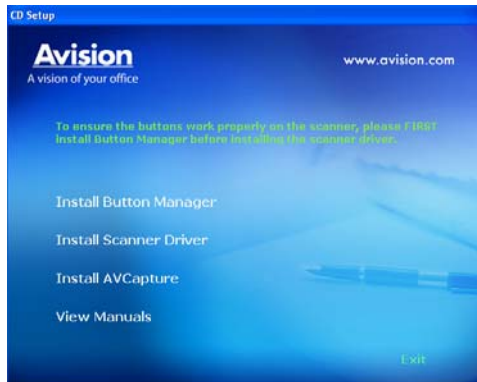
- IBM compatible PC 586, Pentium or higher
- Microsoft Windows 2000/XP
- USB 2.0 port (compatible with USB 1.1)
- At least 100 MB of free hard disk space
- At least 256 MB of system memory
- A CD-ROM drive

Button Manager provides you an easy way to scan your document and then link the scanned image to your designated software application. All this can be done with a simple touch of the button on the scanner. Installing the Button Manager is easy. Please follow these steps:

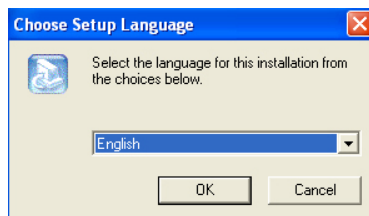
Note:

To ensure the scanner buttons work properly, please install Button Manager **FIRST** before installing the scanner driver.

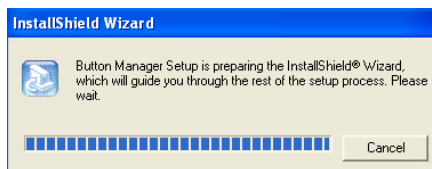
1. Insert the supplied CD into your CD-ROM drive. The following installation graphic appears. If not, please choose the Button Manager folder and double click "Setup.exe".



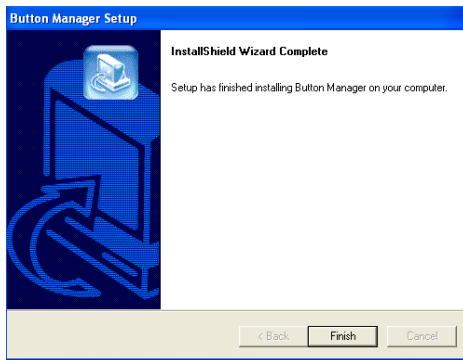
2. Click "Install Button Manager". A language selection window appears.



3. Choose the language you wish to install. The InstallShield wizard appears to guide you through the rest of the installation.



4. Click "Finish" to complete the installation.

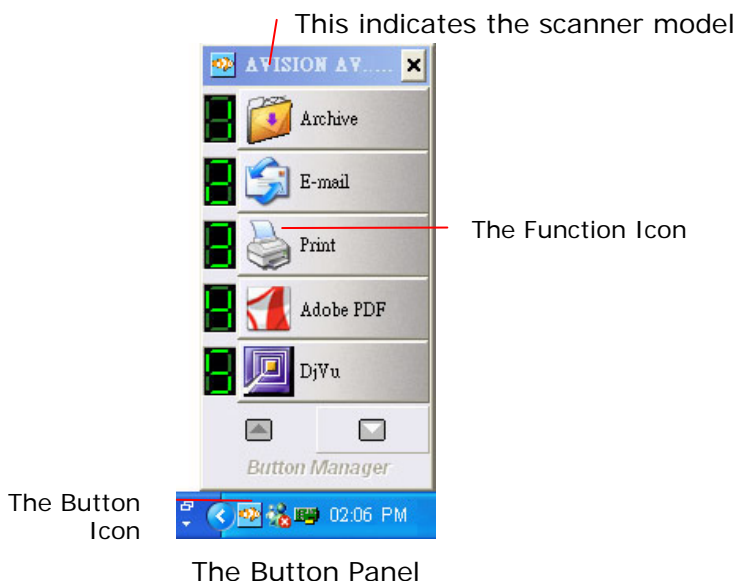


2. Scanning From the Button

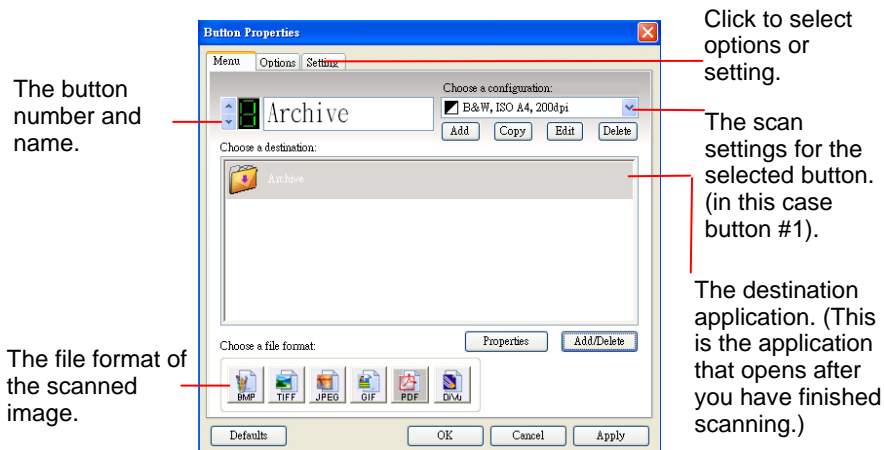
By simply pressing the Scan button on the scanner, the scanned document will be sent to your designated destination application. Yet, before you scan, it is recommended to check the button configurations first to ensure a proper file format and a destination application.

2.1. Checking the Button Configurations Before Scanning

1. After the Button Manager and the scanner driver have been successfully installed on your computer, the Button Panel will be displayed in the Windows System Tray at the bottom right corner of your computer screen.



2. The Button Panel shows the first five scanning buttons. Right-click the button (function) you wish to check, the Button Properties window appears.



The default setting is indicated in highlighted color. If you wish to change the setting, use this window to reset the setting for the file format, destination application, or other scan settings. See "Configuring the Button" in the subsequent section to reset the settings.

3. Click the OK button to leave the window.

Note:

If the Button Panel has not been displayed in the Windows System Tray after restarting your computer, please just turn off and on your scanner. The Button icon will then be displayed on the right corner of the Windows System Tray.

2.2. The Default Button Settings

The scanner is shipped with preconfigured button settings for your basic scanning tasks such as scan-to-folder, scan-to-email, and scan-to-printer. The following table shows these factory default settings. You can change any of these settings.

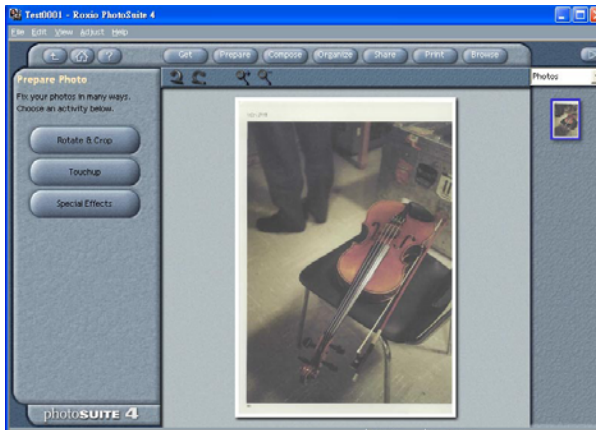
Button Number	Name	Destination Application	Preset Scan Settings
1	Archive	Folder	B&W@200 dpi, A4, PDF
2	E-mail	Microsoft Outlook Express	Gray@200 dpi, A4, JPEG
3	Print	Printer	B&W@300 dpi, A4
4	Adobe PDF	Adobe Acrobat or Adobe Reader	B&W@200 dpi, A4, PDF
5	DjVu	Document Express	B&W@300dpi, A4, DjVu
6	Scan	roxio PhotoSuite	Color@100 dpi, A4, JPEG
7	Paint	Microsoft Paint	Color@100 dpi, A4, BMP
8	PDF (OCR)	Adobe Acrobat or Reader	B&W@200 dpi, A4, PDF
9	DjVu (OCR)	Document Express	B&W@300dpi, A4, TIFF

Note:

To accurately use the default settings, you need to install the necessary software applications such as roxio PhotoSuite, Document Express, Adobe Acrobat or Adobe Reader before installing the Button Manager and the scanner driver.

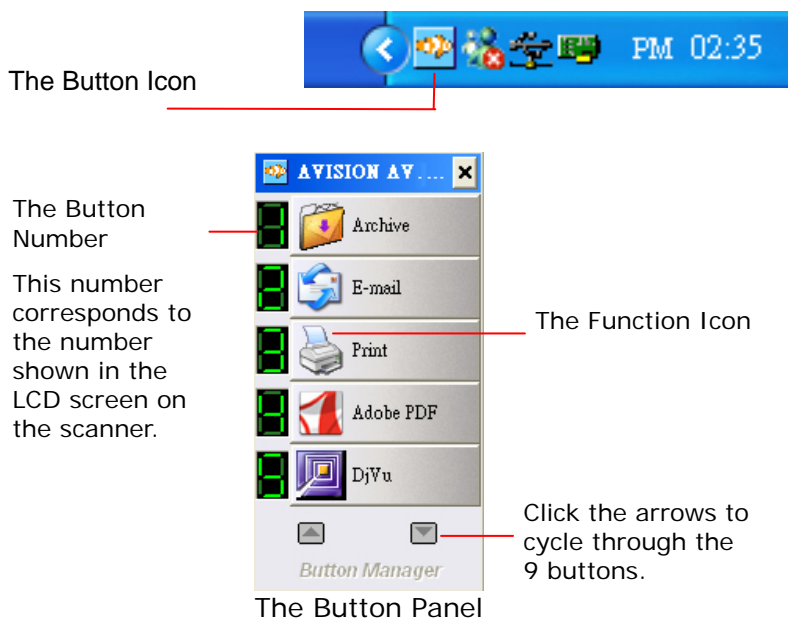
2.3. Scanning From A Simple Touch of the Button

1. Adjust the paper guide for the width of paper and load the document facing down with their tops into the automatic document feeder.
2. Check the number on the LED screen to ensure if you are selecting the proper scan settings and destination application. (For example, if you want to scan with button #4, which open roxio PhotoSuite and display the scanned image in the main window of roxio PhotoSuite, the LED screen should show 4).
3. Press the Scan button on scanner.
4. After the scanning is finished, the roxio PhotoSuite will be launched and the scanned image appears in the main window of roxio PhotoSuite as below.



2.3.1. Use of the Button Panel

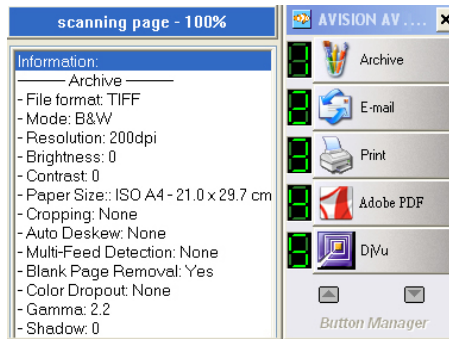
Double click the Button icon in the Windows System Tray at the bottom right corner of the screen. This will prompt the Button Panel.



From this panel, you can check the scan configuration, start a scan, and change the scan configuration.

1. To check the scan configuration, right click the function icon you wish to check. This will prompt the Button Properties window which shows the preset scan configuration.
2. To start a scan, left click the function icon you wish to scan. The scanner begins to scan and deliver the scanned document to your selected destination application.

3. To change the scan configuration, right click the function icon you wish to check. This will prompt the Button Properties window which allows you to customize button function and its configurations.
4. To see the details for a button, press the Scan button on the scanner or left click the function icon. The scanning progress bar and the details for the button appear.



The Detailed View

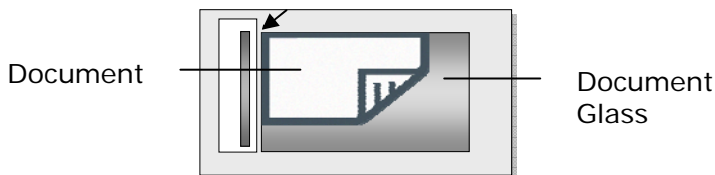
5. To cycle through all 9 buttons, click the arrow keys to navigate through all 9 buttons.
6. To close the Button Panel, click the close button in the Button Panel.

2.4 Performing Continuous Scan From the Flatbed

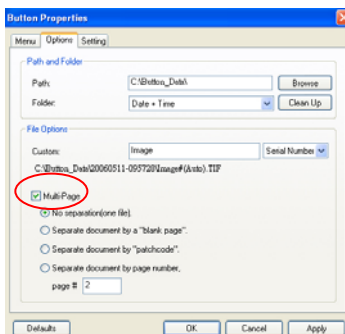
If your scanner comes with a flatbed module, Button Manager provides you a convenient feature to perform continuous (multi-page) scan from the flatbed. Simply inserting next page of your document and then pressing the Scan button, your multi-page scan from the flatbed can be completed. This feature is particularly useful when you need to scan inside pages of a book.

To perform continuous scan from the flatbed,

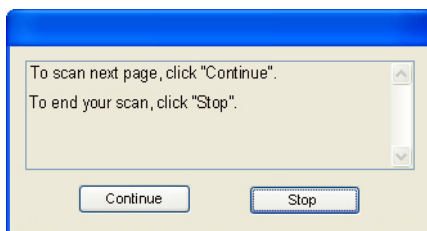
1. Open the document cover.
2. Place your document with the text facing down on the glass. Make sure that the upper left corner of your document is near the home position as marked by arrow.



3. From the Button Properties window, choose your file format to be PDF, TIFF, or DjVu.
4. From the Options tab in the Button Properties window, choose "Multi-Page".



5. Check if the number displayed in the LCD screen is your favorable setting for the scanned image.
6. Press the Scan button on the scanner.
7. When the scanner completes first-page scan, a “Continue or stop” dialog box appears.



8. Place next page of your document on the glass.
9. Choose “Continue” or simply press the Scan button on the scanner to scan next page.
10. If your scan is completed, click “Stop” to end your scan or press the “Stop” button on the scanner (if your scanner comes with a “Stop” button.)

Note:

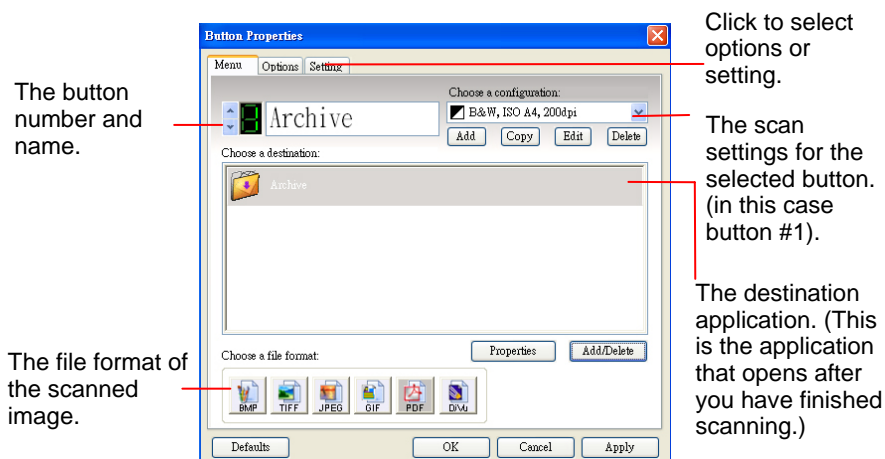
1. The scanner is designed to automatically set your scan source. If your scanner is equipped with both the auto document feeder and the flatbed, the scanner can automatically set your scan source whenever there is paper on the source. However, if there is paper on both the auto document feeder and the flatbed, the scanner will set auto document feeder to be the scan source.
 2. If you choose to perform flatbed scan, the scanner can still perform “automatic crop” and “deskew” for the scanned image. However, the “Multi-feed Detection” and “Duplex” functions will be disabled.
-

3. Configuring the Buttons

The Button Manager allows you to change current button configurations, rename destination application, or change your destination application. The scanned image is either shown in the main window of the specific destination application or served as an attachment to the application.

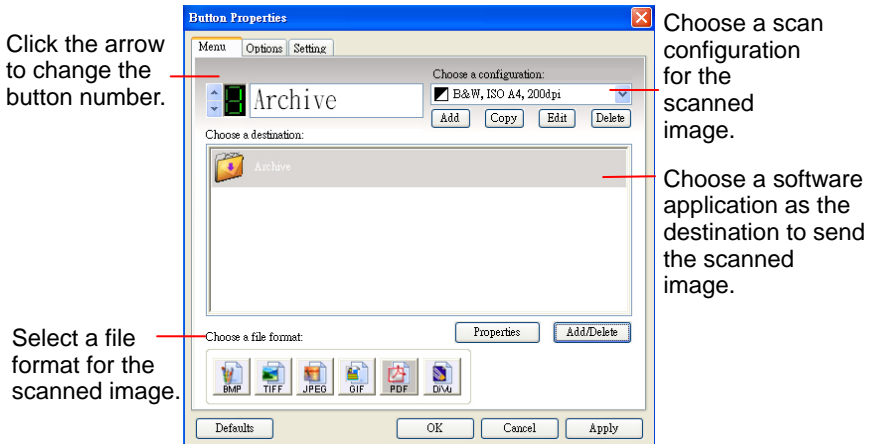
3.1. A Glance at the Button Properties Window

The Button Properties window allows you to choose new settings for the buttons. The Button Properties window lets you select a File Format, a Scan Configuration, a Destination Application, and change other scan settings.




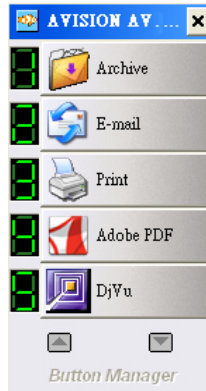
3.2. Choosing New Settings For A Button

For each of the nine buttons, you can choose a new Destination Application, Scan Configuration, and File Format.

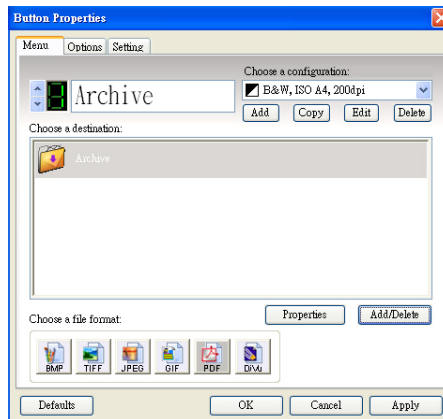


To choose new settings for a button,

1. Click the Button icon () in the system tray at the bottom right corner of the screen.
2. The Button panel appears and shows the first five scanning buttons. Click the arrows to choose the button number you want.



3. Right-click the button to prompt the Button Properties window.



4. From the Choose Destination list, select your ideal software application to link the scanned image to.

Or you may add a new application by clicking Add/Delete to add a new software application.

5. From the Choose Configuration list, select a scan configuration.

Or you may create a new scan configuration for the specific software application by clicking Add to prompt the Scan Configuration window.

6. From the Choose a File Format option, select a proper file format supported by the software application.
7. Click OK to save and leave the window or click Apply to save and continue to work with other features.

3.3. Choosing a Proper File Format

The file format that you have selected determined the file format for the scanned image of your document.

To select a proper file format,

From the Button Properties window, choose your ideal file format for the specific button number. Choice includes BMP, JPEG, TIFF, GIF, PDF, and DjVu. Note that the TIFF, PDF, and DjVu file formats support multi-page function.

BMP:

BMP is the standard Windows image format on DOS and Windows-compatible computers. The BMP format supports RGB, indexed-color, grayscale, and Bitmap color modes.

TIFF:

TIFF (The Tagged-Image File Format) is a flexible bitmap image format supported by virtually all paint, image-editing, and page-layout applications. Also, virtually all desktop scanners can produce TIFF images.

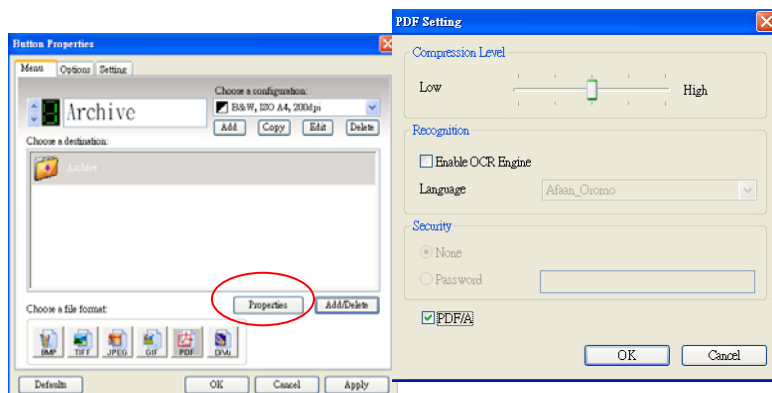
JPEG:

JPEG (Joint Photographic Experts Group) compression provides the best results with continuous-tone color and the smallest file size.

PDF, Searchable PDF :

PDF(Portable Document Format) is a very popular file format used by Adobe. You can view PDF files using Adobe Acrobat or Adobe Reader. Searchable PDF allows users to create PDF files with searchable text so they can be indexed by search engines.

The Button Manager allows you to create searchable PDF with the features of compression, character recognition, and security. Click the PDF button to prompt the Properties button. Then click the Properties button to open the following PDF Setting dialog box.



- **Compression:**

The compression feature allows you to compress your PDF file. Move the slider to the right or to the left to increase or decrease the level of compression. Note the greater the compression level, the lower image quality.

- **Recognition:**

OCR Engine: Check the OCR Engine box to perform the Optical Character Recognition (OCR) function.

Language: Choose the language you wish to perform the OCR engine. It is able to handle more than a hundred of languages including Chinese Traditional, Chinese Simplified, Japanese, and Korean.

- **Security:**

You can set security by providing a password. Note up to 10 characters or symbols are allowed and the password is case-sensitive.

- **PDF/A:**

A new standard archival format defined by ISO 19005-1, is more suitable for long term preservation. Note when you choose PDF/A, the security feature will not be available.

Note:

Please keep a note of your password in case you may forget it.

DjVu:

DjVu is a new image compression technology. DjVu allows the distribution on the internet of very high resolution images of scanned documents, digital documents, and photographs. DjVu typically achieves compression ratios about 5 to 10 times better than existing methods such as JPEG and GIF for color documents, and 3 to 8 times than TIFF for black and white documents.

The following table gives you an idea of file size v.s. file format

To scan an A4 color image in 200 dpi,

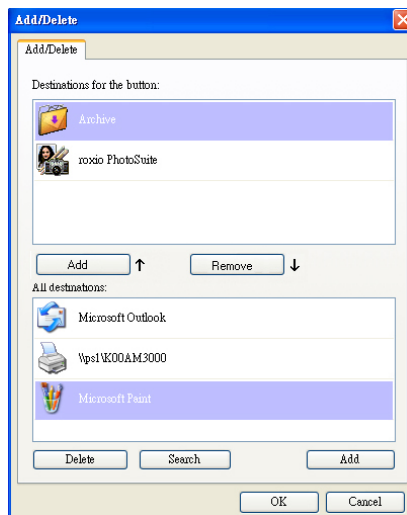
File Format	BMP	TIFF	GIF	PDF	JPEG	DjVu
File Size	10M	10M	1.3M	53KB	212KB	31KB

3.4 Adding A New Destination Application

The Button Manager allows you to add your own software applications as a destination for your scanned image.

To add a new destination application,

1. From the Button Properties window, click Add/Delete. The Application Manager window appears.

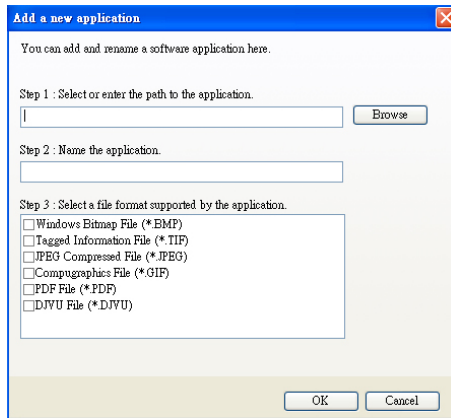


2. Choose Add in the Application Manager window to prompt the Add A New Application window.
3. From the Add A New Application window, follow these steps.

Step 1: Enter or select the path to the new application.

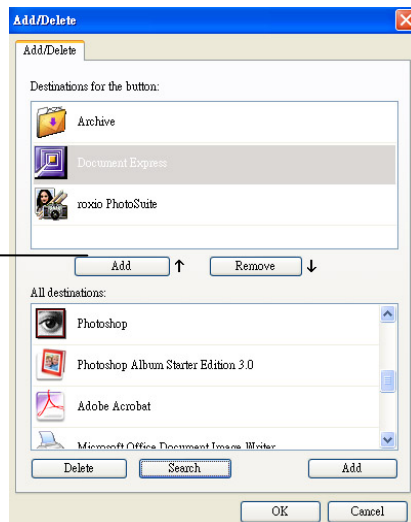
Step 2: Name the application. The name will be shown in the Choose a Destination area.

Step 3: Select at least one file format supported by the application and click OK to complete.



4. The new application will then be shown in List of All Applications in the Application Manager window.
5. Choose the new software application and click Add to include it to List of Applications for the Button #.

Click Add to include the new application to the specific button.



6. Click OK to return to the Button Properties window.

7. Choose the new application as your destination application in the Button Properties window and click OK or Apply. Then this new application will be the new destination application for the specific button number.

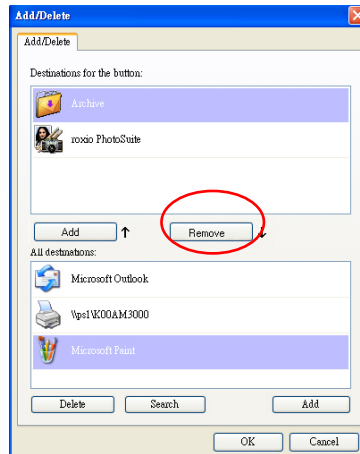
3.5 Deleting A Current Destination Application

1. From the Button Properties window, choose the Button number which you want to edit and then choose Add/Delete.

Click the arrow key to select the button number



2. The Application Manager window appears.



2. Choose the destination application which you want to delete and click Remove to move the application to the List of All Applications.
3. Choose the destination application which you want to delete and click Delete Application.
4. Click Confirm to delete the application in the Confirmation window.

Note:

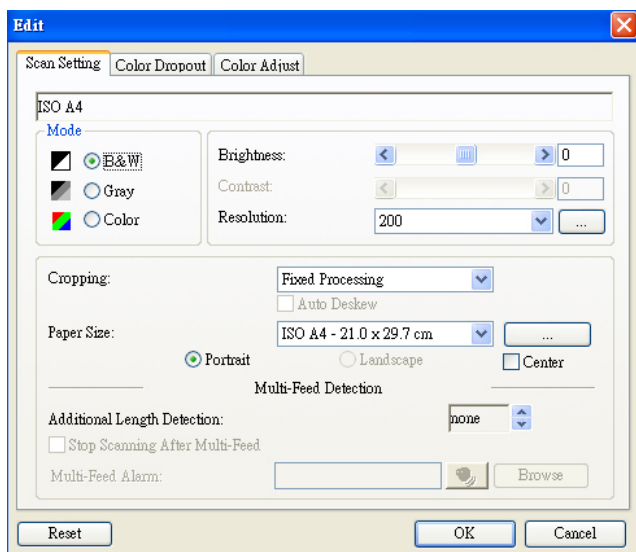
If the application is selected by other buttons, you need to move the application for the specific button from the "Destinations for the button" list box to the "All destinations" list box to remove the application.

3.6 Creating A New Scan Configuration

From the **Button Properties** window, click **Add** to prompt the **Scan Configuration Properties** window. The Scan Configuration Properties window consists of the Scan Settings tab, the Color Dropout tab, and the Color Adjust tab to enhance your scanned image.

3.6.1 The Scan Settings Tab

The **Scan Settings** window consists of the following settings:

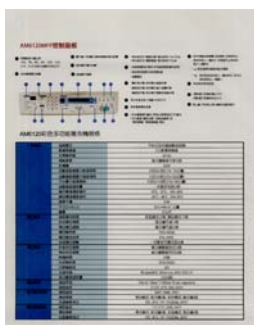


- **Mode:** Select proper image mode for the scanned image.
Choice: B&W, Gray, and Color.

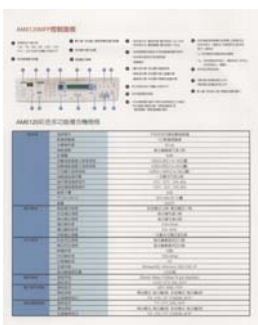
■ Brightness and Contrast

Brightness Adjusts the lightness or darkness of an image. The higher the value, the brighter the image. Drag the slider to the right or left to increase or decrease the brightness. The default value is 0.

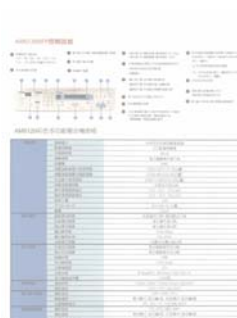
Contrast Adjusts the range between the darkest and the lightest shades in the image. The higher the contrast, the bigger the different grayscale. Drag the slider to the right or left to increase or decrease the contrast. The default value is 0.



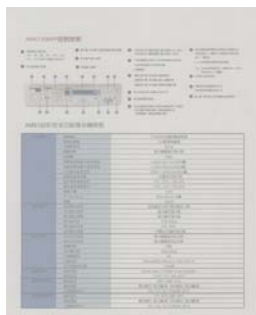
Brightness: -50



**Brightness: 0
(Normal)**



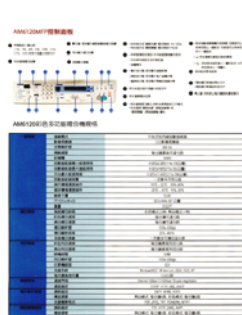
Brightness: +50



Contrast: -50



**Contrast: 0
(Normal)**



Contrast: +50

■ Resolution:

Resolution A good control of the resolution results a good detail of an image that scans. The resolution is measured by dots per inch (dpi). Normally, the greater the dpi number, the higher the resolution and the image file size. Be aware that greater resolution takes more time to scan, and more disk space for the scanning image. For your information, an A4 size color image scanned at 300 dpi at True Color mode consumes approximately 25 MB of disk space. A higher resolution (usually means over 600 dpi) is only recommended when you need to scan a small area at True Color mode.

Choose a resolution value from the drop down list. The default value is 200 dpi. Or you may enter your desired value by clicking the box in the right side of the drop down list and type your desired value.



Resolution: 75 dpi



Resolution: 150 dpi

■ Scan Area:

Cropping allows you to capture a portion of the document being scanned. **Choice: Automatic, Fixed to Transport, EOP (End of Page) Detection.**

Options	Description
Automatic	Automatic adjusts the cropping window according to different document sizes. Use this option for batches of mixed-sized documents.
Fixed to Transport	This feature allows you to define the area or zone to be imaged. Use for batches of same-sized documents. If you select this option, you can use the arrow keys to define the x and y offset values, width and length to redefine your scanned area. The Display window will show image placement as you change the values.
EOP (End of Page) Detection	This feature allows you to define the area or zone to be imaged. Use for batches of same-width but different length documents. If you select this option, you can use the arrow keys to define the x and y offset values, width and length to redefine your scanned area. The Display window will show image placement as you change the values.

Duplex

Check the box if you need to scan front and rear side of documents. Yet, before you scan, make sure that you have purchased a duplex scanner.

Automatic Deskew

Use this option to automatically deskew a document.



Note: If the skew angle is too great, some of the image may be cut off.

Scan Area

Choose your desired paper size with the drop-down list box. Or you may select a custom paper size by clicking the **Scan Area** box and then click **Add** to include in the choice.

Choice: None, US Letter- 8.5"x 11", US Legal – 8.5" x 14", ISO A4 – 21 x 29.7 cm, ISO A5 – 14.8 x 21 cm, ISO A6 – 10.5 x 14.8cm, ISO A7 – 7.4 x 10/5 cm, ISO B5 – 17.6 x 25 cm, ISO B6 – 12.5 x 17.6 cm, ISO B7 – 8.8 x 12.5 cm, JIS B5 – 18.2 x 25.7 cm, JIS B6 – 12.8 x 18.2 cm, JIS B7 – 9.1 x 12.8 cm.

■ Multi-Feed Detection

Multi-Feed Detection allows you to detect overlapped document that go through the auto document feeder. Multi-Feed usually occurs due to stapled documents, adhesives on documents, or electrostatically charged document.

Additional Length Detection

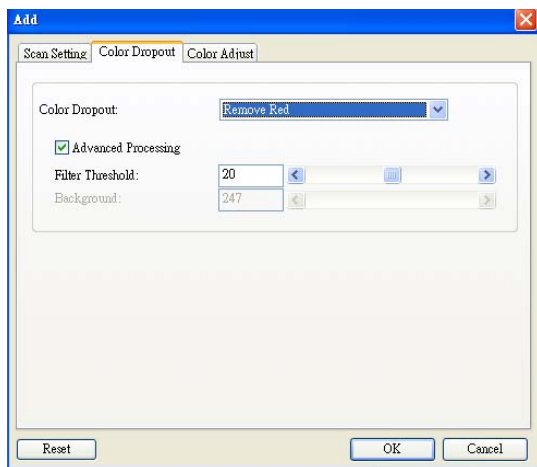
Additional Length Detection allows you to define the length of document being multi-fed. This value indicates the additional length exceeding your designated scan area. The Display window will show the size of the document as you change the value. A value of 0 indicates no additional length detection. The Additional Length Detection is best used when scanning same-size documents in the auto document feeder.

There are two options available if Multi-Feed is detected.

- **Stop Scanning after Multi-Feed**
If this is selected, the scanner will stop the feeder if multi-feed is detected.
- **Multi-Feed Alarm**
If this is selected and a wave file is added, the scanner will produce a sound alarm if multi-feed is detected.

3.6.2 The Color Dropout Tab

From the Scan Configuration Properties window, click Color Dropout tab to prompt the Color Dropout window. If your image contains red color watermark or background, choose the R(Red) channel then any red watermark or background will be removed. This feature is used to sharpen your text when using OCR (Optical Character Recognition) software.



Note that this function supports only black & white and gray image. Therefore, be sure to choose any black & white or gray image type while applying this function.

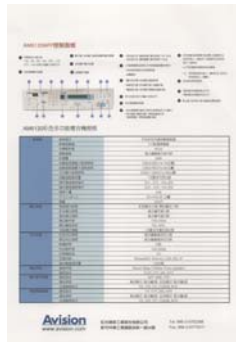
Advanced Processing provides two options that can adjust your scanned image in the best optimal result.

Filter Threshold

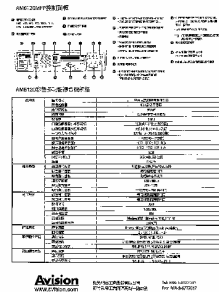
This value is used to determine the color which will be dropped out. A lower value will drop more of the selected color out, while a higher value will leave more of the selected color in.

Background Level

This value will be substituted in the grayscale image for the color being removed. Adjust the value for both the Filter Threshold and Background Level to produce the best optimal result.



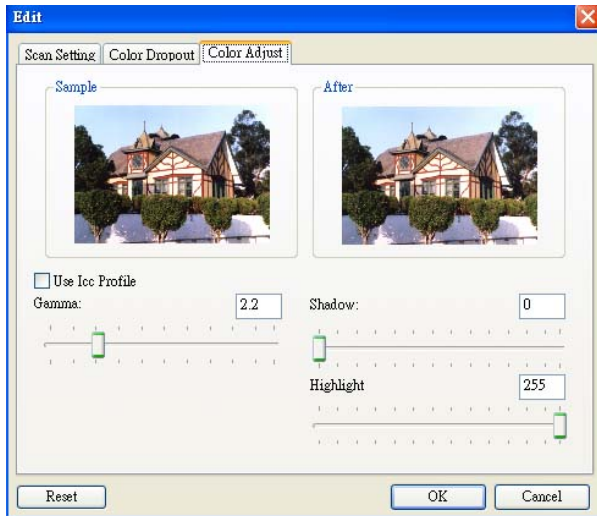
Original



Remove Blue
Filter Threshold:
10
Background Level:
168

3.6.3 The Color Adjust Tab

Color Adjust: From the Scan Configuration Properties window, click Adjust Color to prompt the Adjust Color window. Adjust the color quality of the image so that it comes close to the original.



■ Use ICC Profile:

The ICC profile format was defined by the International Color Consortium (ICC) as a cross-application standard. ICC profiles help you reproduce colors accurately across different platforms, devices, and ICC-compliant applications.



Normal



Use ICC Profile

- **Gamma:** Adjusts the midtones of the image without dramatically altering the lightest and the darkest areas.

When the value of gamma changes, the image changes accordingly.

Gamma Value: 1.0



Gamma Value: 1.4



Gamma Value: 2.0



- **Highlight and Shadow:** Highlight refers to the lightest point in a scanned image while shadow refers to the darkest point. Using Highlight and Shadow tool together allows you to extend the range of color and reveal more details in a gray or color image.

When the value of highlight and shadow change, the image changes accordingly.

Highlight: 255/Shadow:
0(Normal)



Highlight: 210/Shadow:10



Highlight: 200/Shadow:0

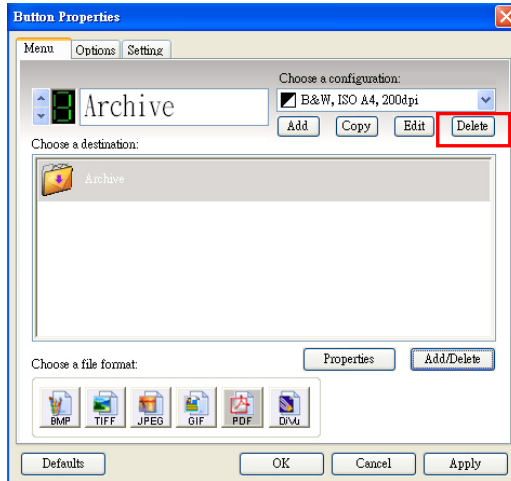


Highlight: 255/Shadow: 50



3.7 Deleting A Current Scan Configuration

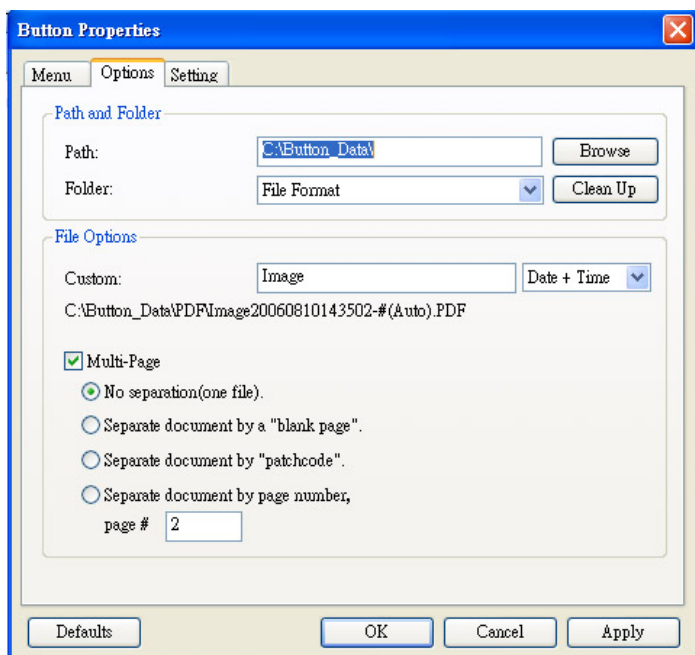
1. From the Button Properties window, choose the scan configurations you want to delete.



2. Click Delete. A confirmation window appears. Chose OK to delete or Cancel to quit.

3.8 Selecting Options For a Button

From the Button Properties window, click the Options tab to select options for a button.



■ Path and Folder Options

Path and Folder Name

Enter the path or click Browse to select the path for your scanned image.

Default: Button_Data

Folder

Select the folder name to store your scanned image. Choice includes **None**, **Application Name**, **File Format**, **Date**, **Date + Time**. (Default: File Format) For effective management, please choose one to group your scanned image. For example, if you choose Date + Time, your folder name will display 2005-10-31-13-56-41. This indicates year-month-date-hour-minute-second.

You may click the "Disk Clean Up" box to view and delete all the scanned images.

■ File Name Options

File Name

Choose to create your file name indicating a **Serial number**, **Date**, **Time**, or **Date + Time**. For example, if you choose Date + Time, your file name will display image-2005-10-31-13-56-41. This indicates filename-year-month-date-hour-minute-second. (Default: Date + Time)

■ Multi-Page Options

There are three types of file formats that support multi-page document. Be sure to select your file format to be any of the TIF, PDF, or DjVu.

No separation (one file)

Choose this if you wish to create only one file for your multi-page document.

Separate document by a blank page.

Choose this if you wish to separate your multi-paged document by a blank page. Please also refer to "**Blank Page Removal**" in the Settings option.

Separate document by "Patchcode".

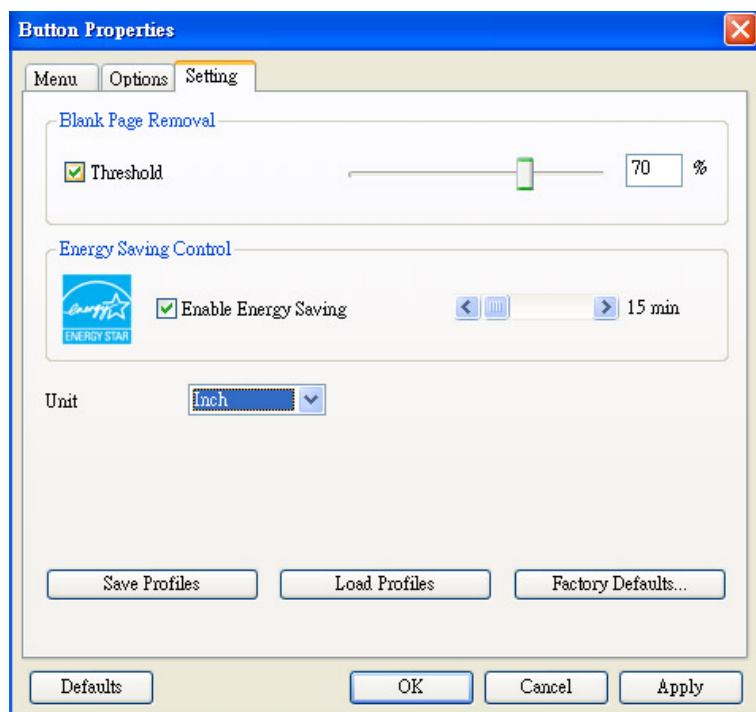
Choose this if you wish to separate your document by "Patchcode".

Separate document by page number.

Choose this if you wish to separate your document by a specific page number.

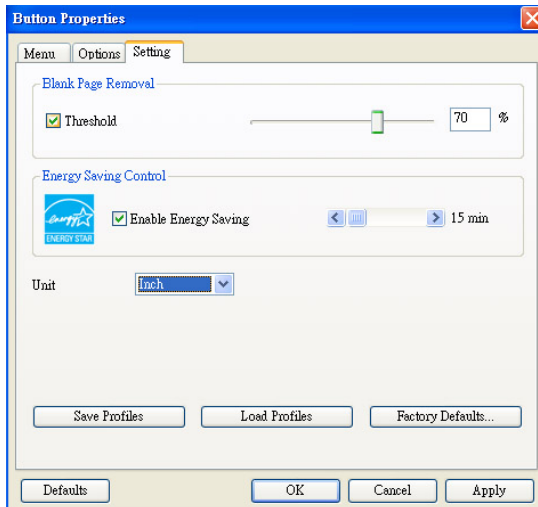
3.9 Removing a Blank Page

From the Setting tab in the Button Properties window, check **Blank Page Removal Threshold** if you wish to remove the blank page and move the slider to the left or right to your desired threshold.



3.10 Setting the Power Saving Mode

From the Setting tab in the Button Properties window, check **Enable Energy Saving** and move the slider to the right to set the amount of time to start the energy saver after your last action. The range is from 1 to 720 minutes. The default is 15 minutes.

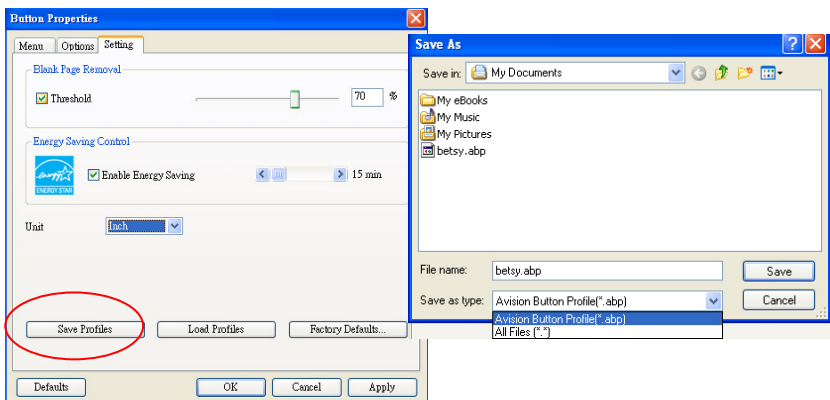


3.11 Saving and Loading Profiles

Button Manager allows you to save your profile (custom settings) and load the profile in just a few seconds.

To save a profile,

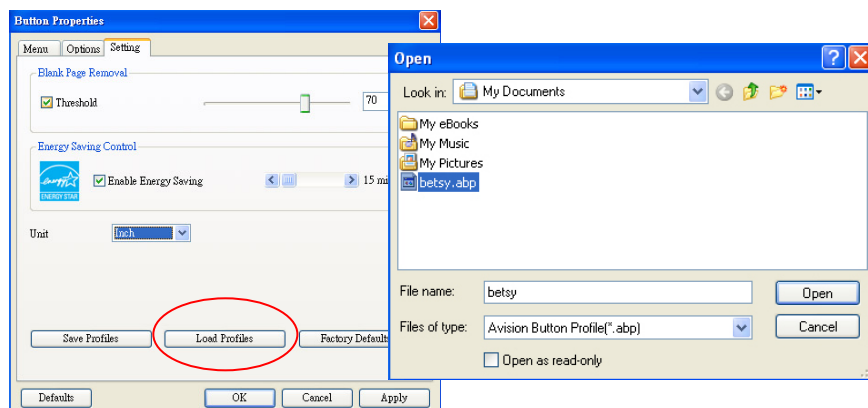
1. Customize your settings. (For example, change your resolution, file format, destination application, or other scan settings.)
2. From the Setting tab in the Button Properties window, click “Save Profiles”, a Save As dialog box appears.



3. Enter the file name of your profile and then click “Save” to save the profile. (The default filename extension, abp, is short for Avison Button Profile. However, you can create your own filename extension by choosing All Files (*.*) and then enter your file name and extension.)

To load a profile,

1. From the Setting tab in the Button Properties window, click “Load Profiles”, an Open dialog box appears.



2. Choose the profile which you want to load. (For example, betsy.abp)
3. Click “Open” to load the profile. Your selected profile appears on the screen.

Factory Defaults:


Click this button and your existing settings for each button will be cleared and return to the factory default settings.

Defaults:

Click this button and the settings in both the Options and Setting tab will return to the default value.

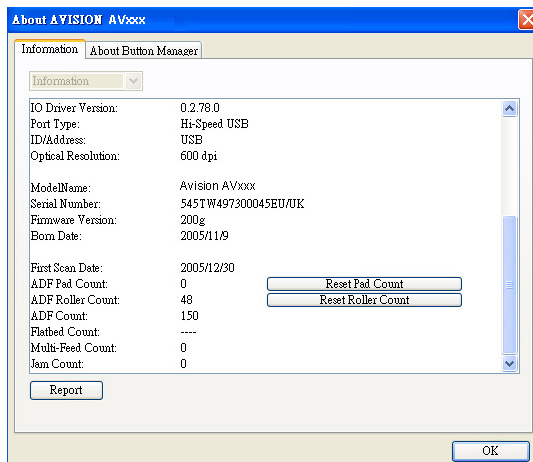
3.12 Solving A Problem

If you encounter an error message and can not solve the problem, you can send a report.txt file to your nearest service center for quick trouble shooting. To send the report.txt file, please follow these steps.

1. Right-click the button icon () on the right bottom of your screen. A pop-up screen appears.



2. Click "About" to prompt the Information dialog box.



3. Click the Report button. A report.txt file (C:\Button_Report.txt) will be generated and displayed on the screen. Please send this file to the nearest service center for a quick trouble shooting.

The “Reset Pad Count” button」:

After scanning approximately 50,000 pages (the number varies based on type of scanner) through the Auto Document Feeder (ADF), the ADF pad may be worn out and you may experience problems with document feeding. In this case, it is highly recommended to replace the ADF pad with a new one. (Please refer to the manual for proper replacing procedure.) For ordering the ADF pad, please consult your nearest dealer. After replacing the ADF pad, click the **“Reset Pad Count”** button to reset the pad count.

The “Reset Roller Count” button」:

After scanning approximately 200,000 pages (the number varies based on type of scanner) through the ADF, the ADF roller may be worn out and you may experience problems with document feeding. In this case, it is highly recommended to replace the ADF roller with a new one. (Note the replacement of the ADF roller has to be performed only by authorized service center. Therefore, please return your scanner for roller replacement.) After replacing the ADF roller, click the **“Reset Roller Count”** button to reset the roller count.

Note :

The lifetime and the replacing procedure vary based on type of scanner. Please consult your nearest dealer for more details.

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