A3 Scanner

TWAIN Driver
For Macintosh

User Manual

Acquire the TWAIN Driver

The TWAIN driver is the scanning module provided with your scanner. It is easily accessed from within the bundled scanner software or from within any TWAIN-compliant program. Before you start with the steps below, be sure you have installed and con-figured the bundled scanner software.

1. Turn on your Macintosh computer.

2. Run the host TWAIN-compliant software (e.g. Photoshop)

3. Call up the TWAIN Data Source by selecting **Acquire** from the **File** menu. (In some programs, the **Acquire** command will appear in a submenu under the **Import** command.) The TWAIN dialog box will appear in a submenu under the **Import** command.

The TWAIN dialog box contains control settings, which you must set prior to scanning a document. The basic steps to scan a document are:

1. Prescan the document.

2. Set the desired image area to be scanned.

3. Select the scan source.

4. Select the desired scan mode.

5. Select the desired resolution.
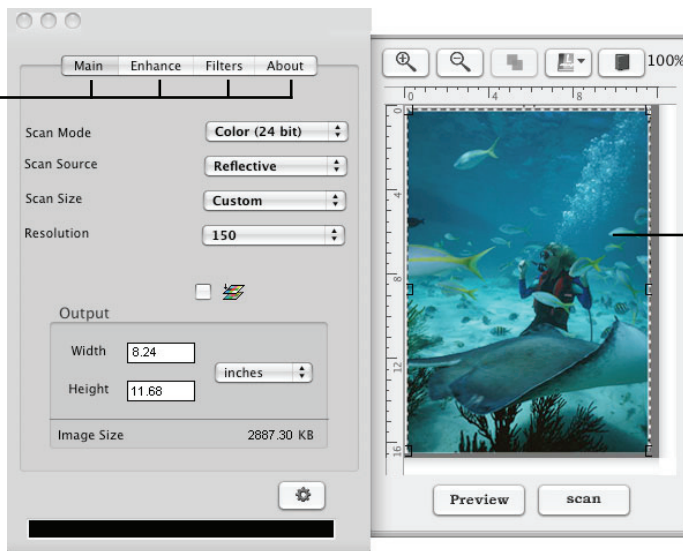
6. Click on the **Scan** button.

The TWAIN Dialog Box

The TWAIN dialog box is divided into two sections: the left section where most of the control settings are located, and the right section, which is the Preview Window.

Folders
Contains defferent conrol settings.

Preview Window
Used for viewing the prescan image.

The Main Folder

The main folder contains the control settings needed for specifying the scanning parameters such as scan mode, resolution, etc.

Scan Mode
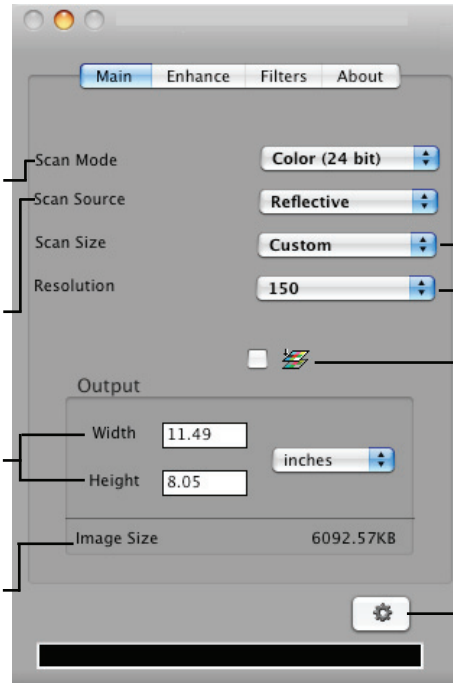Sets the scanner to read color, grayscale, lineart, etc.

Scan Source
Sets the media type of the document to be scanned.

Width and Length
Show the dimensions of the image area inside the Crop Frame.

Image Size
Displays the amount of computer space needed to display or save the selected image area.

Scan Size
Refers to the size of the image or document that you are about to scan.

Resolution
Sets the resolution in dots per inch (dpi).

Color Matching Control
Color Matching allows the scanner to more accurately refl ect the actual colors of the original image.

Reset Button
Returns settings to their default values.

The Enhancement Folder

The Enhancement folder contains preprocessing controls you can apply to the image before making your final scan.
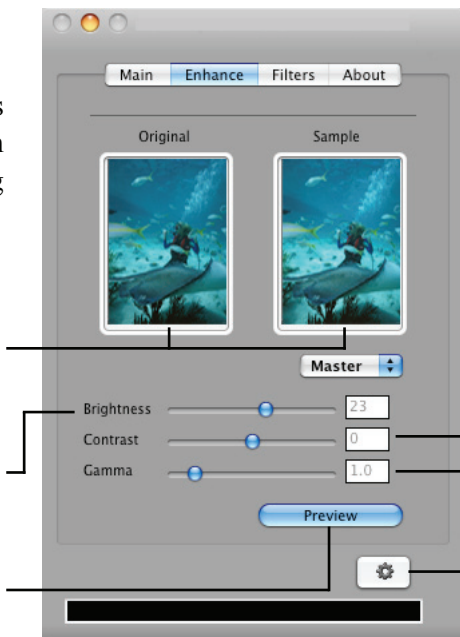
Thumbnails

Are used to see the effects of any changes in the control settings.

Brightness Control

Allows you to adjust the overall amount of light in the image through a range of values (–127 ~0~+127).

Preview Button

This button allows you to see the effect of any changes made to the image.

Contrast Control

The Contrast Control allows you to adjust the overall amount of black areas or white areas in the image through a range of values (–127~0~+127).

Gamma Control

Adjusts the brightness level in the highlights, midtones, and shadows of the image.(0.1~7.9)

Reset Button

Returns settings to their default values.

The Filters Folder

The Filters folder contains prepro-cessing controls that allow you to apply special effects to the image before making your final scan.

Thumbnails
Are used to see the effects of the selected filter.

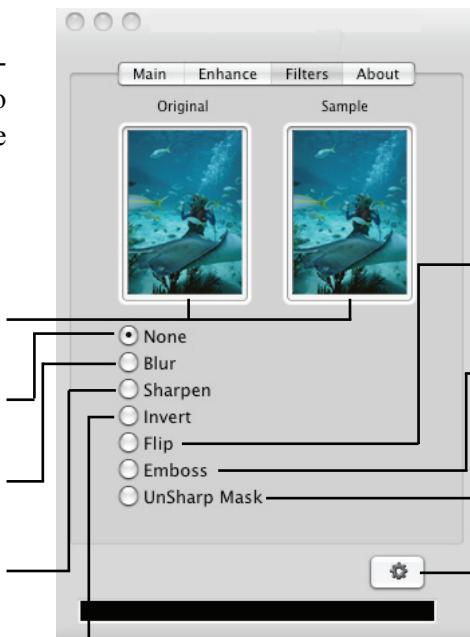**None**
No filter is applied.

Blur or Blur More
Smooths or softens the image.

Sharpen or Sharpen More
Enhances the detail in the image.

Invert
Reverses an image to its nega-tive or compliment.

Flip
Creates a mirror image of the original.

Emboss
Makes the elements in the image appear raised or sunken.

Unsharp Mask
Emphasizes shape edges and color boundaries.

Reset Button
Returns settings to their default values.

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The Preview Window

The Preview Window is where you can view the prescan image. The first time you want to scan a document, it is better that you do a precan.

Zoom Tool Button
Allows you to enlarge/shrink an area of the image in the preview window.

Batch Scan Button
Allows creation of up to 10 scan regions for Crop Frames for multiple scanning.

Preview Button
Allows you to see the effect of any changes made to the image prior to scanning.

Exit Button
Click to exit (or close) the TWAIN or Batch Scan Dialog boxes.

Language Setting
Allows you to select the desired language that the dialog box will be displayed in.

Crop Frame
Outlines the scan area or region that will be included in the final scan.

Scan Button
Processes the pre-scanned image, and displays it in the host software (where you opened up the TWAIN dialog box).

Prescan the Image

A Preview is a quick low- reso-lution scan of the entire original image. From this low-resolution scan you can get a clearer idea of

Preview

the image area you want to include when you click Scan. To Preview, the steps are:

1. Place the document face down on the scan window glass.
2. Click the **Preview** button in the dialog box. After the scanner has scanned the document, the scanned image will appear in the Preview Window. From the Preview image, you can now set the exact image area you wish to include in your final scan.

Set Up the Scan Parameters

1. Set the desired image area to be scanned.

Use the Crop Frame in the Preview window to outline the image area you wish to scan. Click one of the sides or corners of the Crop Frame and drag it out or in to the desired length and width.

Crop frame ——

Only the area inside the Crop Frame will be included in the resulting scanned image when you click Scan. The size information at the bottom of the dialog box is automatically updated when the Crop Frame is resized.

2. Select the scan source.

Since we are going to scan a color photograph, choose Reflective.

Reflective:

when scanning paper-based documents such as photographs or text (magazines, books, or images).

3. Select the desired scan mode.

The Scan Mode determines how the scanner will read the image.

• 48-Bit Color captures images in 281 trillion colors

• 24-Bit Color captures images in 16.7 million colors

• Gray captures images in grayscale

• Lineart is used for text documents or black-and-white images

4. Select the desired resolution.

Resolution is a measure of how much image detail information the scanner is to capture in a scan. A higher resolution results to a sharper image but requires more disk space for file saving. For this session, set the resolution to 300 dpi.

Execute the Scan Command

When you are finished with the control settings, click on the Scan button. The scanner begins

scan

to scan the document and a message box appears on the screen displaying the progress of the scan. When the scan is finished, the image will be displayed in the main screen of the host software.

Using Batch Scan

Batch Scanning is an easy way to multi-scan any part of your document using different scan modes and resolutions. In batch scanning ,you can specify up to a maximum of 10 scan regions or you can scan a single region several times using different combinations of scan modes and resolutions.
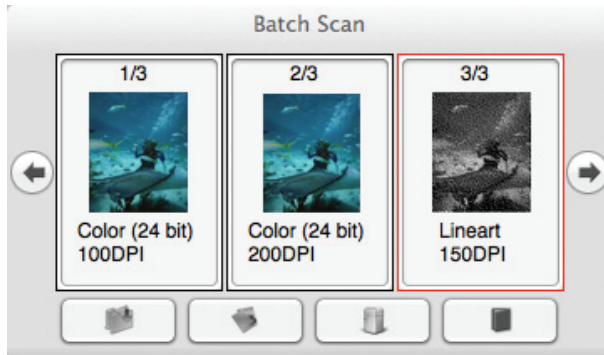
To activate batch scanning, click on the **Batch Scan** button. This will bring up the Batch Scan dialog box (ImageAcquire not support).

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The Batch Scan Dialog Box

The Batch Scan dialog box contains several controls that make batch scanning simple and easy to use. It will also display the number of batch jobs that you make when you create the scan regions.

Copy Batch Button

Click on this button to duplicate a batch job. You can then specify different control settings for this particular batch job.

New Batch Button

Click on this button to create a new scan region on the image in the Preview Window.

Delete Batch Button

Click on this button to delete the selected or highlighted batch job.
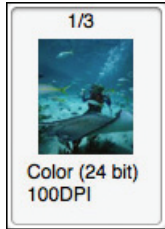
Exit Batch Button

Click on this button to cancel batch scan and exit the Batch Scan dialog box.

To do a batch scan, the steps are:

1. Click the **Batch Scan** button. The Batch Scan dialog box appears.

2. Create a scan region:

   (a) Move the cursor inside the Preview Window.

   (b) Hold down the Shift key, press the left mouse button and drag the mouse to create a crop frame.

   (c) Reposition or resize the crop frame if necessary.

3. Set the desired scan mode and resolution for the current scan region.

4. Repeat steps 2 and 3 if you wish to create more scan regions. You can have up to 10 scan regions. If you want to duplicate the current scan region, simply click on the **Duplicate Batch** Button.

5. Click **Scan**. The scanner will begin to scan the scan regions one after the other.

For scanning multiple documents or images, Batch Scan is equipped with an auto crop function that is not available in the regular scanning mode. Batch Scan auto-detects the borders of the images or paper edges of the documents, allowing you the option of scanning any or all of these images/documents without having manually select, and scan them individually (as required in the regular mode.)

1/3

Color (24 bit)
100DPI

The Batch Box contains the thumbnail image, DPI, scan mode and image size of each batch scan. The batch number (e.g. 1/3, number one out of three) is always displayed at the top of the batch box along with the Batch Scan Status.