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Canon

Mac Scanner Driver Guide

MF4300/D400 Series



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**Please read this guide before operating this product.
After you finish reading this guide, store it in a safe place
for future reference.**

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How to Use This Guide

■ Using the Top Page

The screenshot shows the main page of the Canon Mac Scanner Driver Guide. On the left is a vertical navigation menu with four items: Introduction (1), Scanning a Document (2), Troubleshooting (3), and Appendix (4). The main content area features the Canon logo, the title 'Mac Scanner Driver Guide MF4300/D400 Series', and images of two scanner models. Below the scanner images is a 3x3 grid of colorful sticky notes. At the bottom of the page, there is a 'Table of Contents' and 'Index' section on the left, and a 'How to Use This Guide' button on the right. A navigation bar at the top right contains 'Back', 'Previous', 'Next', and 'TOP' buttons. Orange arrows and text boxes provide instructions for these buttons: 'Back' returns to the last page opened; 'Previous' and 'Next' display the previous or next page; 'TOP' returns to the top page; the 'How to Use This Guide' button displays the 'How to Use This Guide' page; and the 'Table of Contents' and 'Index' links provide quick links to the list of things you can do, topics for each chapter, table of contents, and the index.

Returns to the last page opened.

Displays the previous or next page.

Returns to the top page.

Displays the "How to Use This Guide" page.

Quick links to the list of things you can do, topics for each chapter, table of contents, and the index.

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■ Using the Chapter Topic List

The screenshot shows a document viewer interface. At the top right, there are navigation buttons: Back, Previous, Next, and TOP. Below these, a table of contents for Chapter 1 is displayed. The table of contents is enclosed in an orange box. At the bottom left of the viewer, there are quick links for 'Table of Contents' and 'Index', also enclosed in an orange box. Arrows point from text labels to these elements.

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Returns to the last page opened.
 Displays the previous or next page.
 Returns to the top page.

Table of contents for the chapter.

Quick links to the list of things you can do, topics for each chapter, table of contents, and the index.

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The following symbols are used throughout the manuals for the machine and indicate the warnings, cautions and notes you should keep in mind when using the machine.

 **WARNING**

Indicates a warning that may lead to death or serious injury if not observed.

 **CAUTION**

Explains how to avoid actions that could injure you or damage your machine.

 **NOTE**

Explains operating restrictions and how to avoid minor difficulties.

In addition, this guide uses a distinctive notation to identify buttons:

- Menu items you select and the buttons you press on the screen appear in square brackets: [Preferences].



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Where to Find Help

When you encounter a problem during installation of the driver software or while operating your machine, consult the following:

In This Manual

See Chapter 3, "Troubleshooting."

Readme.txt File

The hints, limitations, and restrictions you need to be aware of when using the ScanGear MF are included in the Readme.txt file provided with these programs.



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System Requirements

The scanner driver can be used in the following system environments:

Operating System Software

- Mac OS X (version 10.3.9 or later for PowerPC)
- Mac OS X (version 10.4.4 or later for Intel x86)

Computer

Any computer which runs the above operating system software properly (including Intel processor - based Macintosh).

Memory

Sufficient memory to run the above operating system software properly



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Installing the Software

This section describes instructions for installing the scanner driver and for uninstalling the scanner driver.

■ Installing the Scanner Driver

NOTE

- Before installation, quit all the running application software.
- Before installation, uninstall the scanner driver of old versions.

1. Open the following folders: [ScanGear MF] → open the folder of the language you use.

2. Double-click the [Installer] icon.



The [Authenticate] dialog box is displayed.

3. Enter the administrator's name and password → click [OK].



The installer starts.

NOTE

Depending on the system environment, the [Authenticate] dialog box may not be displayed. In this case, skip to step 4.

4. Read the software license agreement carefully → click [Continue].

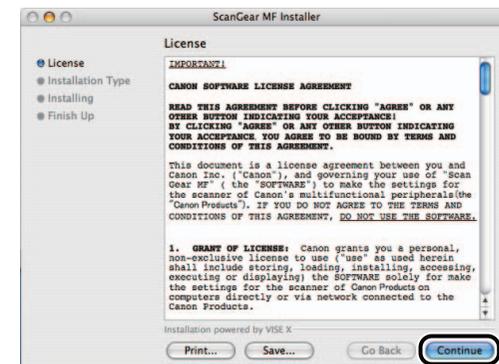


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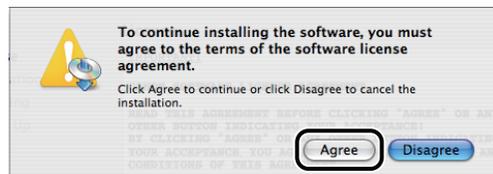
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5. If you agree to the terms of the software agreement, click [Agree].



6. Confirm that [Easy Install] is selected → click [Install].

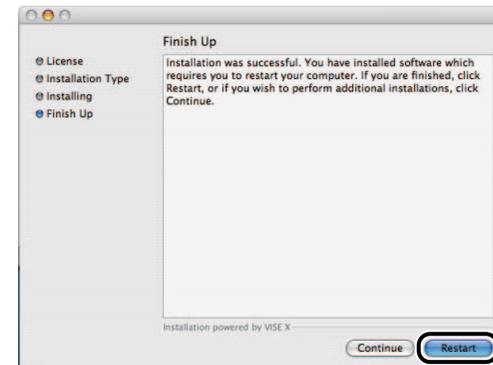


7. Click [Continue] in the message box to proceed.



Installation starts.

8. Click [Restart] when the confirmation message below appears.



The computer is restarted.
Installation is complete.

Uninstalling the Scanner Driver

It is recommended that you use the Installer to uninstall an unnecessary driver.

1. Quit all the running application software.
2. Open the following folders: [ScanGear MF] → open the folder of the language you use.



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3. Double-click the [Installer] icon.



The [Authenticate] dialog box is displayed.

4. Enter the administrator's name and password → click [OK].

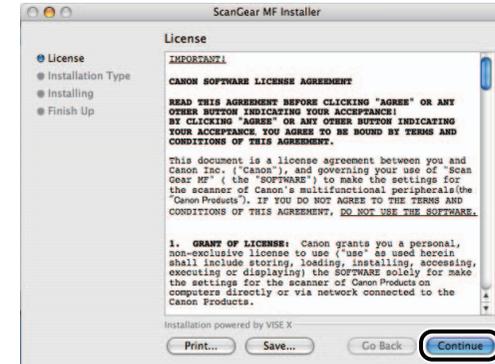


The installer starts.

NOTE

Depending on the system environment, the [Authenticate] dialog box may not be displayed. In this case, skip to step 5.

5. Read the software license agreement carefully → click [Continue].



6. If you agree to the terms of the software license agreement, click [Agree].





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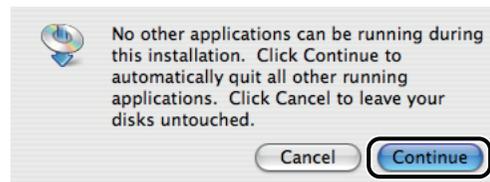
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7. Select [Uninstall] from the drop-down list → click [Uninstall].

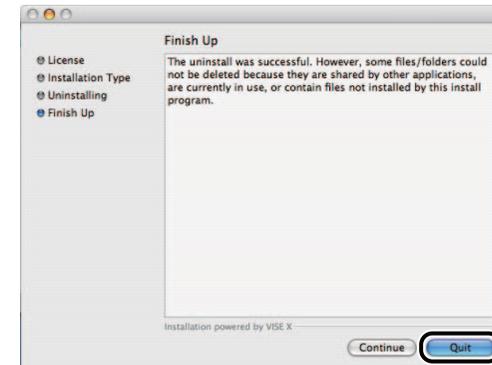


8. Click [Continue] in the message box to proceed.



Uninstallation starts.

9. Click [Quit] when the confirmation message below appears.



Uninstallation is complete.

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Checking Installation

Check if the driver is installed successfully.

1. Open Image Capture application of your Mac OS X.
2. Click [Devices] from the menu bar.
3. If [Canon MF4360-4390] is displayed in the pull-down menu, installation of the driver was successful.

 NOTE

- The displayed model name varies depending on the model that is actually connected.
- If the driver has not been installed on your computer, see “Installing the Scanner Driver,” on p. 1-4.

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Scanning an Image from an Application

You can scan an image from a TWAIN- compatible application and use the image in that application. The following is an example of the procedure when scanning using Image Capture application of Mac OS X.

1. Set documents.
2. Open Image Capture application.
3. Click [Devices] from the menu bar → click [Canon MF4360-4390].



NOTE

The displayed model name varies depending on the model that is actually connected.

4. Specify the settings and click [Scan...].
5. On [ScanGear MF], specify the settings and click [Scan].

For details, see “Setting Preferences and Scanning with ScanGear MF,” on p. 2-5.

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For scanning an image from an application, there are 2 ways as below:

– **Using Driver UI**

– **Not using Driver UI**



NOTE

- The displayed model name varies depending on the model that is actually connected.
- Setting procedures of the above 2 ways vary depending on the version of Mac OS X.

● Mac OS X 10.3

Using Driver UI

1. Connect the device.
2. Open Image Capture application.
 - *As the checkbox of [Open scanner window when Image Capture is launched] on [Scanner] tab displayed by clicking [Image Capture] → [Preferences...] is checked by default, the Image Capture UI is displayed and overview starts.
3. Wait until the overview finishes, then end the Image Capture UI.
4. Check the checkbox of [TWAIN software whenever possible] on [Scanner] tab.
5. Click [OK] button.
6. From next time you open Image Capture application, click [Scan] button on the displayed dialog box.

Not using Driver UI

1. Connect the device.
2. Open Image Capture application.
 - *As the checkbox of [Open scanner window when Image Capture is launched] on [Scanner] tab displayed by clicking [Image Capture] → [Preferences...] is checked by default, the Image Capture UI is displayed and overview starts. If the above checkbox is not checked, click [Devices] → [Canon MF4360-4390] for the same operation.

● Mac OS X 10.4

Using Driver UI

1. Connect the device.
2. Open Image Capture application.
 - *As the checkbox of [When Image Capture is launched, open scanner window] under [Scanner:] on [General] tab displayed by clicking [Image Capture] → [Preferences...] is checked by default, the Image Capture UI is displayed and overview starts.
3. Wait until the overview finishes, then end the Image Capture UI.
4. Click [Devices] → [Browse Devices...] → [Canon MF4360-4390] under [TWAIN devices] → check the checkbox of [Use TWAIN software] on the lower left.
5. Click [OK] button.
6. From next time you open Image Capture application, click [Scan...] button on the displayed dialog box.

Not using Driver UI

1. Connect the device.
2. Open Image Capture application.
 - *As the checkbox of [When Image Capture is launched, open scanner window] under [Scanner:] on [General] tab displayed by clicking [Image Capture] → [Preferences...] is checked by default, the Image Capture UI is displayed and overview starts. If the above checkbox is not checked, click [Devices] → [Canon MF4360-4390] for the same operation.

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● Mac OS X 10.5

Using Driver UI

1. Connect the device.
2. Open Image Capture application.
*As the checkbox of [When Image Capture is launched, open scanner window] under [Scanner:] displayed by clicking [Image Capture] → [Preferences...] is checked by default, the Image Capture UI is displayed and overview starts.
3. Wait until the overview finishes, then end the Image Capture UI.
4. Click [Devices] → [Browse Devices...] → [Use TWAIN UI] button on the right of [Canon MF4360-4390].
5. Click [Scan...] button on the displayed dialog box.

Not using Driver UI

1. Connect the device.
2. Open Image Capture application.
*As the checkbox of [When Image Capture is launched, open scanner window] under [Scanner:] displayed by clicking [Image Capture] → [Preferences...] is checked by default, the Image Capture UI is displayed and overview starts.
If the above checkbox is not checked, click [Devices] → [Canon MF4360-4390] for the same operation.

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Setting Preferences and Scanning with ScanGear MF

The ScanGear MF enables you to preview the image to be scanned and make detailed adjustments for the image. To use the ScanGear MF, scan from an application.

NOTE

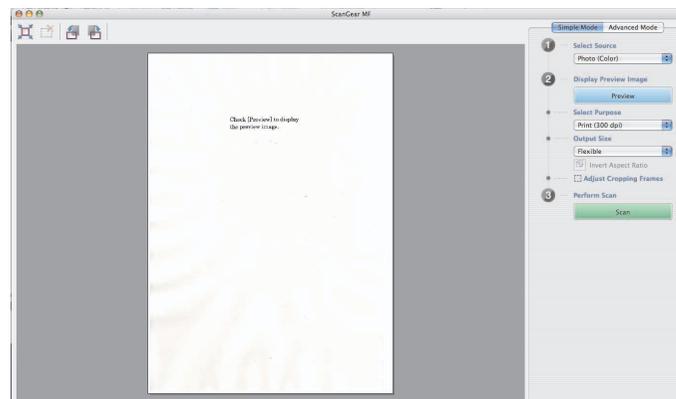
You cannot preview the image when using the Feeder.

■ Switching between Simple Mode and Advanced Mode

The ScanGear MF has two modes: [Simple Mode] and [Advanced Mode]. With [Advanced Mode] you can perform detailed settings such as resolution and contrast.

To switch between two modes, click the corresponding tab.

■ Using Simple Mode



- 1. Set documents.**
- 2. Select the document type in [Select Source].**

[Photo (Color)]: To scan color photos.

[Magazine (Color)]: To scan color magazines with the Descreen function.

[Newspaper (B&W)]: To scan text and line drawings.

[Document (Grayscale)]: To scan color images or text in Grayscale. Appropriate for scanning high-resolution Grayscale images.

[Document (Color) Feeder]: To scan color documents on the Feeder.

[Document (Grayscale) Feeder]: To scan Grayscale documents on the Feeder.

If you select [Document (Color) Feeder] or [Document (Grayscale) Feeder], skip to step 4.

- 3. Click [Preview].**
A preview of the scanned image appears in the preview area.
- 4. Select the use for the scanned image in [Select Purpose].**

You can select from [Print (300 dpi)], or [Image Display (150 dpi)] depending on the document type you selected in step 2. For details, see “Determining Resolution,” on p. 2-11.

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5. Select the output size of the scanned image in [Output Size].

The options you can select vary depending on what you selected in step 4.

Click to switch the orientation of the output size (When [Output Size] is set to other than [Free size]).

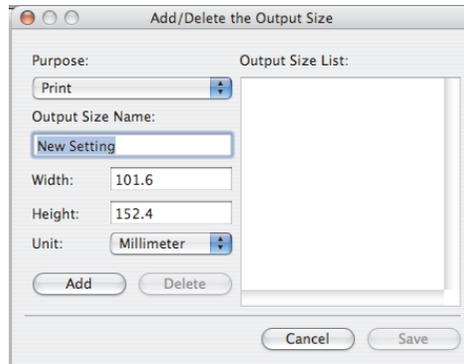
6. Adjust the cropping frame.

To adjust the cropping frame, click (Auto Crop) or drag the corner or edge of the frame. For details, see “Specifying the Parameters of a Scan,” on p. 2-8.

7. Click [Scan].

Add/Delete the Output Size

Selecting [Add/Delete] for [Output Size] opens the [Add/Delete the Output Size] dialog box. This dialog box enables you to add and delete the custom output size.



[Purpose]

Selects the use for the scanned image from [Print] or [Image Display]. This setting is available with [Advanced Mode] only.

[Output Size Name]

Specifies the output size name you want to register.

[Width]

Specifies the width of the output size.

[Height]

Specifies the height of the output size.

[Unit]

Selects the unit of measurement for the output size.

[Add]

Adds the specified output size to the [Output Size List].

[Delete]

Deletes the selected output size from the [Output Size List].

[Save]

Saves added or deleted output sizes.

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Simple Mode Toolbar



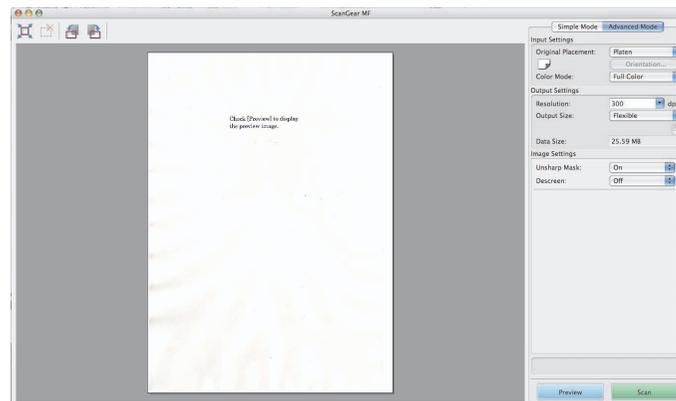
(Auto Crop) Specifies the parameter of the image automatically. For details, see “Specifying the Parameters of a Scan,” on p. 2-8.

(Remove Cropping Frame)
Removes the selected cropping frames.

(Left Rotate) Rotates the image 90 degrees left.

(Right Rotate) Rotates the image 90 degrees right.

Using Advanced Mode



1. Set documents.

2. Select settings for [Input Settings], [Output Settings] and [Image Settings], and make the color settings.

For details on the settings, see “Advanced Mode Settings,” on p. 2-8.
If you select [Feeder (1-sided)] in [Original Placement], skip to step 4.

3. Click [Preview].

4. If you want to scan only a part of the document, specify the parameters.

For details, see “Specifying the Parameters of a Scan,” on p. 2-8.

5. Click [Scan].

Advanced Mode Toolbar



(Auto Crop) Specifies the parameter of the image automatically. For details, see “Specifying the Parameters of a Scan,” on p. 2-8.

(Remove Cropping Frame)
Removes the selected cropping frames.

(Left Rotate) Rotates the image 90 degrees left.

(Right Rotate) Rotates the image 90 degrees right.

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■ Specifying the Parameters of a Scan

You can create scan areas (cropping areas) for images shown in the preview area. When you click [Scan], only the cropped area will be scanned.

Selecting the Cropping Area Automatically

After previewing, click  (Auto Crop) on the toolbar. Each time you click this button, the image gradually becomes smaller.

Creating a Cropping Frame

Click on the preview image and drag over the area you wish to select. To make further adjustments, drag the corner or edge of the selected frame. To move the cropping frame you have selected, click inside the cropping frame and drag.

NOTE

When using the Feeder, creating a new cropping frame will erase an existing one.

Deleting Cropping Frames

If you want to remove the cropping frame, select the frame and perform one of the following:

- Press the [Delete] key on the keyboard.
- Click  (Remove Cropping Frame) on the toolbar.

Advanced Mode Settings

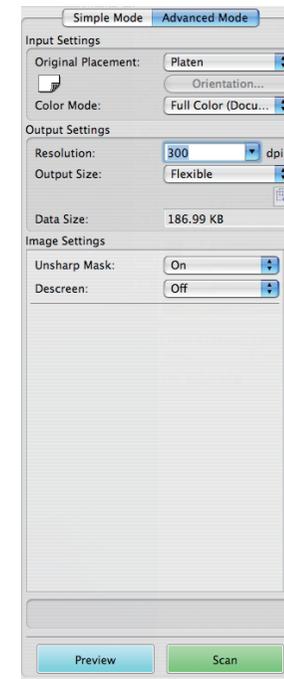


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Input Settings

[Original Placement]

Selects where the document is placed from [Platen], [Feeder (1-sided)], or [Feeder (2-sided)].



NOTE

If you change this setting after previewing, the preview image will be deleted.



(Original Orientation)

Shows the direction of the document being scanned. The displayed icons vary depending on the settings for [Original Placement] and [Orientation].

[Orientation]

Opens the [Orientation] dialog box. This dialog box enables you to specify the orientation of the original document.



NOTE

- Some applications have a limit of the amount of image data they can receive. If the parameters of a scan contain more than 21,000×30,000 pixels, the image will not be received.
- When [Resolution] is set to [600] dpi, minimum parameters of an image are 96×96 pixels.

[Color Mode]

Selects the type of document and the way in which it is scanned.

[Black and White]:

Outputs documents to a monochrome printer. The contrast in the image is divided at certain levels (threshold values) into black and white and is displayed in two colors. For the threshold setting, see “Threshold,” on p. 2-11.

[Grayscale]:

Scans black and white photos or monochrome images. The image is expressed in a 256 levels (Grayscale) of black and white.

[Full Color]:

Scans color photos. The image is expressed in 256 levels (8 bit) of R(ed), G(reen) and B(lue).

[Full Color (Documents)]:

Scans color documents that include texts or charts in addition to color photos. The image is expressed in 256 levels (8 bit) of R(ed), G(reen) and B(lue).

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Output Settings

- [Resolution] Specifies the resolution for the scan. You can select a resolution from the drop-down list, or enter any value between 25-9,600 dpi. If you use the Feeder, enter a resolution between 25-600 dpi. For details, see “Determining Resolution,” on p. 2-11.
- [Output Size] Selects the output size of the scanned image. If you select [Add/Delete], the [Add/Delete the Output Size] dialog box appears and you can add or delete the custom output size (see p. 2-6).
Click  to switch the orientation of the output size (landscape or portrait). This button is unavailable when [Flexible] is selected.
- [Data Size] Shows the data size of the scanned image according to your settings.

Image Settings

- [Unsharp Mask] Set to [Off] to emphasize the outline of an image and make it sharper. It is effective for scanning photos etc., which have a soft focus.

 **NOTE**
This setting is available when [Full Color], [Full Color (Documents)] or [Grayscale] is selected in [Color Mode].
- [Descreen] Set to [On] to reduce the distorted pattern (moire) when scanning printed photographs or pictures.

 **NOTE**
 - This setting is available when [Full Color], [Full Color (Documents)] or [Grayscale] is selected in [Color Mode].
 - Even if [Descreen] is set to [On], some moire effect may remain if [Unsharp Mask] is also set to [On]. In this case, set [Unsharp Mask] to [Off].
 - A change in this setting is reflected after [Scan] is clicked.



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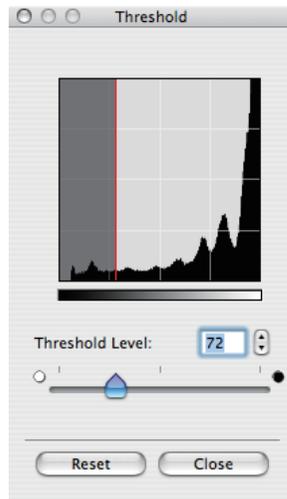
Threshold

When you select [Black and White] in [Color Mode], Threshold button is displayed and you can adjust the threshold by using this button.



● Threshold

This dialog box enables you to adjust the threshold. By adjusting the threshold, you can sharpen characters in a text document and reduce back-printing such as in newspapers.



[Threshold Level] Adjust the threshold by moving the slider ▲ or entering a value (0 to 255).

[Reset] Resets the current setting to the default value.

■ Determining Resolution

The data in the image you scan is a collection of dots carrying information about brightness and color. The density of these dots is called “resolution” and “dpi” (dots per inch) refers to the number of dots in one inch.

You can specify a resolution in [Resolution] of [Output Settings] in the ScanGear MF.

● Images for Displaying on a Monitor

Images for displaying on a monitor in general should be scanned at a resolution of 75 dpi.

● Images for Printing

Images to be printed should be scanned at a resolution corresponding to the resolution of the printer.

NOTE

With a color printer, the colors are expressed as a certain percentage of ink pigment, so half the resolution of the printer should be fine for scanning your document.

● Printing Scale

For example, if you print a document which is twice the original size both vertically and horizontally, the resolution of your document will be reduced by half. In this case, scan the original document at double the resolution so that you can print the document with sufficient quality, even if you double the size of the document. Conversely, if you want to print a document at half size, half the resolution should be enough.

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Scanning Problems

Cannot scan a document.

- Q** Is anything displayed on the LCD?
- A** If anything is displayed on the LCD, see "Troubleshooting" in the *e-Manual*.
- Q** Is the Error indicator blinking?
- A** If the Error indicator is blinking, see "Troubleshooting" in the *e-Manual*.
- Q** Is the document placed correctly?
- A** Remove the document and place it on the platen glass. (See "Introduction of the Machine" in the *e-Manual*.)
- Q** Is your computer working properly?
- A** Restart your computer.

Q

Is your USB hub or repeater working correctly?

A

When using a USB hub or repeater, try connecting a USB cable directly to the computer to check if it works correctly. If you can scan the document successfully after connecting the USB cable directly to the computer, check your USB hub or repeater if it is working correctly.

Q

Are you using a USB 2.0-compatible USB hub?

A

If you connect the machine to a USB 2.0-equipped computer using a USB 2.0-compatible USB hub, you may not be able to scan. In this case, connect a USB cable directly to the computer.

Q

Have you specified the document source correctly with ScanGear MF?

A

Choose the platen glass or Feeder for placing the document.



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Q

After installing the software for this machine, did you install a TWAIN-compatible application?

A

If a TWAIN-compatible software is installed after installing this software, the TWAIN system file is replaced with something inappropriate and you will be unable to scan images. In such a case, remove the software, then reinstall it. (see "Uninstalling the Scanner Driver," on p. 1-5)

Q

Is the machine recognized in Image Capture application of your Mac OS X?

A

Make sure the machine is displayed in Image Capture application of your Mac OS X.
1. Open Image Capture application.
2. Click [Devices] from the menu bar.
3. If [Canon MF4360-4390]* is displayed in the pull-down menu, the machine is recognized. If not, remove the software, then reinstall it. (see "Uninstalling the Scanner Driver," on p. 1-5)

* The displayed model name varies depending on the model that is actually connected.

Computer has hung up or frozen.

Q

Is enough space available in the hard disk?

A

Check that the hard disk has enough available space, in particular when scanning large documents at a high resolution.

Q

When an error occurred during scanning an image in Photoshop.

A

Change the allocated memory in Photoshop. From the [Photoshop] menu, select [Preferences] → click [Performance]. Change the [Memory Usage] in a range of approximately 50% to 60%.

Q

Is the driver installed correctly?

A

Remove the software, then reinstall it. (see "Uninstalling the Scanner Driver," on p. 1-5)



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Scanned images look dirty.

Q Are the scanning components of the machine clean?

A Clean the platen glass, the platen glass cover, and the Feeder scanning area.

Q Is the image size too small?

A Some applications do not display images correctly at small sizes. Try displaying the image at 100% magnification.

Q Is the monitor's display color set below Thousands?

A In [System Preferences], click [Displays] and set the display colors to Thousands, millions or higher.

Scanned image is displayed at a larger (smaller) size on the computer screen.

Q Is the resolution setting correct?

A Perform one of the following:

- Enlarge or reduce the image display in the application. If you open the image in Preview or other application, it may display at a large size and you will not be able to reduce it.
- Change the resolution and scan again. The image will be larger if the resolution is higher. It will be smaller if the resolution is lower. (See "Determining Resolution," on p. 2-11.)



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Installing and Uninstalling Problems

Cannot install the software.

Q Have you followed the instructions to install the software?

A Try reinstalling the software. When an error occurred and installation was not complete, restart your computer and try reinstalling the software.

Q Are any other applications open?

A Quit all applications and reinstall the software.



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Scanner Specifications

Type	Color scanner
Max Scanning Size	8 1/2" x 14" (216 mm x 356 mm)
Scanning Resolution	600x1200 dpi (optical) 9600x9600 dpi (enhanced)
Scanning Speed	Color: 4.5 msec/line (600 dpi) Grayscale: 1.5 msec/line (600 dpi)
Host Interface	USB 1.1, USB 2.0
System Requirements	Mac OS X (version 10.3.9 or later for PowerPC) Mac OS X (version 10.4.4 or later for Intel x86)
Device Driver	TWAIN-compatible



NOTE

Specifications are subject to change without notice.

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Glossary

A

Application

Abbreviation of the phrase “application software.” Software designed for a specific purpose such as word processing software, spreadsheet software, database software, or a combination of these.

B

Bit

An indication of the volume of data used to describe points in an image. A 1-bit image assigns image data black or white color values depending on whether the brightness value is above or below a particular threshold value. The result is a two-color image. An 8-bit grayscale image expresses an image in 256 shades of gray ranging from white to black. A 24-bit color image assigns 8 bits to each RGB color channel, expressing each pixel in approximately 16.8 million colors.

Brightness

The relative proportion of light and dark areas. Decreasing brightness darkens the overall image; increasing brightness lightens it.

C

Contrast

The degree of difference between the lightest and darkest areas of an image. Decreasing contrast lightens the dark areas and darkens the light areas; increasing it darkens the dark areas and lightens the light areas.

Crop

The action of selecting only part of an image for use. Using the Crop button on the ScanGear MF toolbar, a portion of the preview image can be selected and only that portion is then re-previewed or included in the final scan.

D

Descreen

A function that reduces the occurrence of moire in the scan of a printed item. Moire is the patterns or stripes that are visible in a low-resolution scan of a picture or photo in a book or magazine due to the interference patterns between the dots that comprise the image.

Dot

Images are reproduced as rows and columns of dots. When an item is scanned with a scanner, the resolution, or dot density, of the scanned image is measured as the number of dots per inch (dpi).

dpi

Dots per inch. A unit of measurement for indicating a machine's resolution.

Driver

A program that controls how the computer and an external device interact. For example, the scanner driver supplies OS with information and features of the installed scanner. See also Scanner driver.

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F

Folder

A container in which documents, program files, and other folders are stored on your disks. Formerly referred to as a directory.

G

Grayscale image

A bitmap image that stores data for each dot as a shade of gray, rather than as black or white.

I

Install

To copy software to a designated location on a computer's hard disk so that it can be used at any time.

Interface

The connection between two devices through which they communicate with each other. The machine features a USB interface, which makes it compatible with IBM and similar personal computers.

L

Landscape

A horizontal scanning orientation. Documents are scanned across the longer axis of the page.

O

Orientation

The direction in which a document is fed, either along the width (portrait) or length (landscape) of the page.

P

Pixel

Short for picture element, a pixel is the smallest unit used to measure a display image.

Platen

The document scanning unit.

Portrait

A vertical scanning orientation. Documents are scanned across the shorter axis of the page.

Preview

Provisional scanning and display of the document you are about to scan before you actually scan it. If the preview scan looks different from what you want, you can change the settings, display the preview again and confirm before scanning.

Preview area

The area at the left of the ScanGear MF main window. When the Preview button is clicked, the item(s) on the platen glass of the scanner are scanned, and the results are displayed as the preview image in this area. At this stage, the scanned image is not passed on to the host application program.

R

Reinstall

To remove installed software and install again.

Resolution

The density of dots for any given output device, expressed in terms of dots per inch (dpi). Low resolution causes font characters and graphics to have a jagged appearance, but prints faster than higher resolutions. Higher resolution provides smoother curves and angles as well as a better match to traditional typeface designs, but prints more slowly. Resolution values are represented by horizontal data and vertical data, for example, 600×600 dpi.



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S

Scanner driver

A program that controls how the computer and scanner interact. The scanner driver is provided with the TWAIN driver.

T

TWAIN

Industry-standard protocol for transferring information from devices such as scanners and digital cameras to a computer.

Industry-standard protocol for an application programming interface (API) for input devices such as scanners. If both the device and the application comply with the standard, they will be compatible regardless of differences in manufacturer or model.

For example, with TWAIN-compatible image-processing software, you can start the scanner's TWAIN driver from the software's menu, scan the document and return the scanned image to its original image-processing software.

U

Uninstall

To remove software installed on a computer and return the computer to its condition before the software was installed.

Universal Serial Bus (USB) interface

These are new serial interface standards. This bus automatically recognizes connections (Plug and Play) to allow plugging and unplugging connectors with the power still turned on to the PC or peripheral equipment.



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