



LiDE 120

Online Manual

Read Me First
Useful Functions Available on the Machine
Overview of the Machine
Scanning
Troubleshooting

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Read Me First

■ [Notes on Online Manual Usage](#)

■ [How to Print](#)

Notes on Online Manual Usage

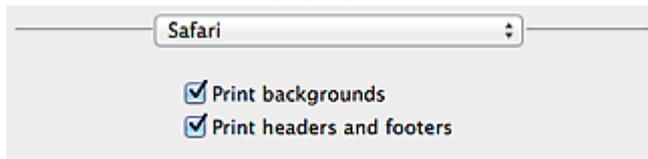
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How to Print

Use the print function of your Web browser to print this guide.

To print background colors and images, follow the steps below to display the Print dialog options, then select the **Print backgrounds** checkbox.

1. Click **Print...** from the **File** menu.
2. Click **Show Details** or  (Down Arrow).
3. Select **Safari** from the pop-up menu.



Symbols Used in This Document

Warning

Instructions that, if ignored, could result in death or serious personal injury caused by incorrect operation of the equipment. These must be observed for safe operation.

Caution

Instructions that, if ignored, could result in personal injury or material damage caused by incorrect operation of the equipment. These must be observed for safe operation.

Important

Instructions including important information. To avoid damage and injury or improper use of the product, be sure to read these indications.

Note

Instructions including notes for operation and additional explanations.

Basic

Instructions explaining basic operations of your product.

Note

- Icons may vary depending on your product.

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Note

- The formal name of Windows Vista is Microsoft Windows Vista operating system.

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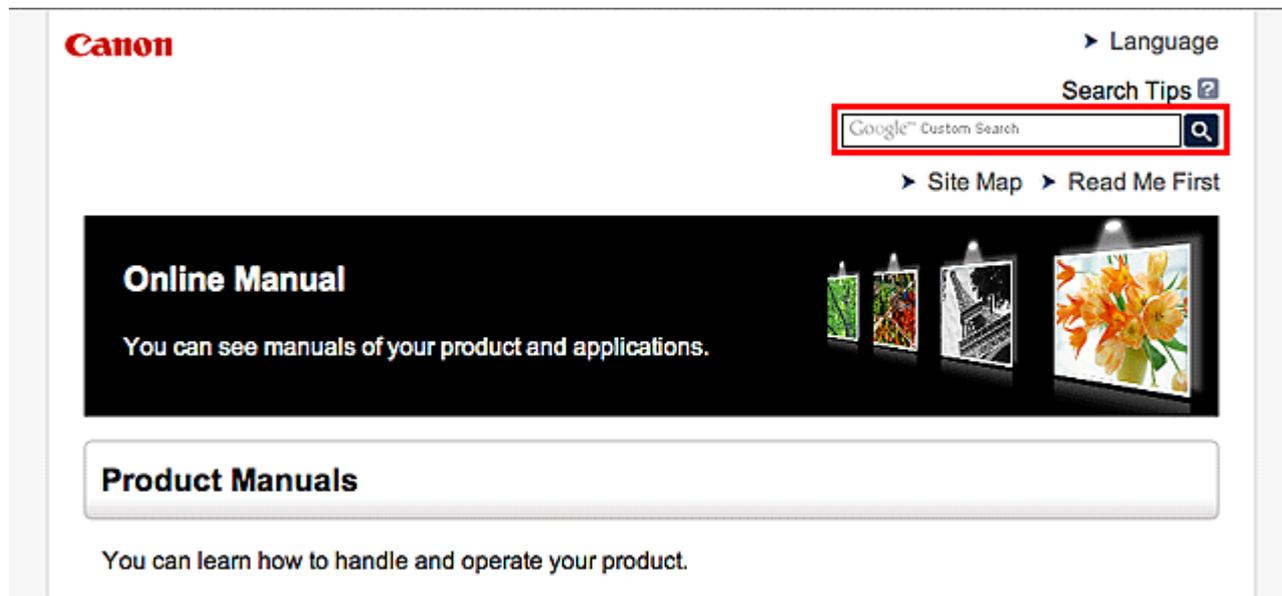
END OF TERMS AND CONDITIONS

Enter keywords in the search window and click  (Search).

You can search for target pages in this guide.

Search Tips

You can search for target pages by entering keywords in the search window.



►► Note

- The displayed screen may vary.
- When searching from this page or the "Home" page without entering your product's model name or your application's name, all products supported by this guide will be considered for the search. If you want to narrow down the search results, add your product's model name or your application's name to the keywords.

• **Searching for Functions**

Enter your product's model name and a keyword for the function you want to learn about

Example: When you want to learn how to load paper

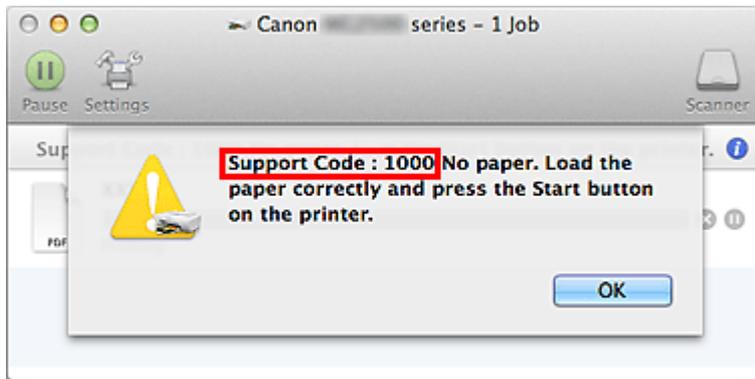
Enter "(your product's model name) load paper" in the search window and perform a search

• **Troubleshooting Errors**

Enter your product's model name and a support code

Example: When the following error screen appears

Enter "(your product's model name) 1000" in the search window and perform a search



►► Note

- The displayed screen varies depending on your product.

• Searching for Application Functions

Enter your application's name and a keyword for the function you want to learn about

Example: When you want to learn how to print collages with My Image Garden

Enter "My Image Garden collage" in the search window and perform a search

• Searching for Reference Pages

Enter your model name and a reference page title*

* You can find reference pages more easily by entering the function name as well.

Example: When you want to browse the page referred to by the following sentence on a scanning procedure page

Refer to "Color Settings Tab" for your model from Home of the *Online Manual* for details.

Enter "(your product's model name) scan Color Settings Tab" in the search window and perform a search

Notes on Operation Explanations

In this guide, most of the operations are described based on the windows displayed when OS X Mavericks v10.9 is used.

Useful Functions Available on the Machine

- **View Photos Easily Using My Image Garden**
- **Connection Methods Available on the Machine**

View Photos Easily Using My Image Garden

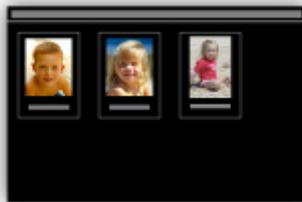
Organize Images Easily

In My Image Garden, you can register the names of people and events to photos. You can organize photos easily as you can display them not only by folder but also by calendar, event, and person. This also allows you to find the target photos easily when you search for them later on.

<Calendar View>



<People View>



Display Recommended Items in Slide Shows

Based on the information registered to photos, Quick Menu automatically selects the photos on your computer and creates recommended items such as collages and cards. The created items appear in slide shows.



Place Photos Automatically

Delightful items are created easily as the selected photos are placed automatically according to the theme.



Other Various Functions

My Image Garden has many other useful functions.

Refer to "What You Can Do with My Image Garden" for details.

Connection Methods Available on the Machine

The following connection methods are available on the machine.

USB Connection



USB Connection

Connect the scanner and a computer with a USB cable. Prepare a USB cable.

Overview of the Machine

➤ **Safety Guide**

- Safety Precautions
- Regulatory and Safety Information

➤ **Main Components**

➤ **Placing Items**

- Place the Item on the Platen
- Items You Can Place & How to Place Items

➤ **Maintenance**

➤ **Precautions for Safe Transport of the Machine**

➤ **Legal Limitations on Use of Your Product and Use of Images**

➤ **Specifications**

Safety Guide

- ▶ **Safety Precautions**
- ▶ **Regulatory and Safety Information**

Safety Precautions

Choosing a location

- Do not install the machine in a location that is unstable or subject to excessive vibration.
- Do not install the machine in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source.
To avoid the risk of fire or electric shocks, use the machine under the operating environment specified in the On-screen Manual.
- Do not push the scanner into a narrow cabinet or put a tablecloth on it or place on a thick rug. If the scanner generates heat by doing so, it may cause damage.
- Do not set up in areas where there are excessive fluctuations in temperature. Also do not move the scanner from low-temperature areas to high temperature areas. Condensation may cause image errors. Leave the scanner enough time to gradually adapt to the new conditions before use.
- Do not place the scanner in areas with high humidity, areas subject to direct sunlight, areas with high temperatures and areas near flame sources. Fire or electrical shock may result.
- Leave enough space (approximately 8 in. (20 cm)) around the scanner when setting up.

Power supply

- When unplugging the USB cable, always pull on the main body. Pulling the cable may damage the wires and lead to fire or electrical shock.
- Do not apply excessive force to plug or unplug USB cable.
- Do not damage or modify the USB cable.
- Do not place heavy objects on, pull or excessively bend, twist or tie the USB cable.
- Do not twist or tie the USB cable.
- Plug the USB cable completely into the connector.

Working around the machine

- Keep the document cover closed except when necessary.
- Never put your hands or fingers in the scanner while it is scanning.
- Hold the scanner firmly with both hands at two ends when carrying it.
- Do not place any objects on the scanner, especially paper clips, staples and other metallic part or containers filled with alcohol, thinners or other flammable liquid.
- Always release the scanner lock before connecting the scanner to a computer.
Running the scanner while it is locked will damage the scanner.
- When loading a thick book on the platen glass, do not press hard on the document cover.
The platen glass may break.
- Do not release the document cover until it completely opens/closes.
- Do not place items that weigh 2.0 kg (4.4 lbs.) or more on the platen glass. Also, do not press heavily (i.e., more than 2.0 kg (4.4 lbs.)) on the document cover or the platen glass.
- Do not drop heavy books or objects on the scanner. Also do not give a shock to the platen glass. The platen glass may break.
- When not in use for extended periods, unplug the USB cable for safety.

Regulatory and Safety Information

For models containing lithium battery

- Dispose of used batteries according to the local regulations.
- Risk of explosion if battery is replaced by an incorrect type.

Users in the U.S.A.

FCC Notice (U.S.A. Only)

For 120V, 60Hz model

Model Number: K10402

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.

Note: 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 installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A., Inc.

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Only for European Union and EEA (Norway, Iceland and Liechtenstein)



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU) and national legislation. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human

health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit www.canon-europe.com/weee.

Korisnici u Srbiji



Ovaj simbol označava da ovaj proizvod ne sme da se odlaže sa ostalim kućnim otpadom, u skladu sa WEEE Direktivom (2012/19/EU) i nacionalnim zakonima. Ovaj proizvod treba predati određenom centru za prikupljanje, npr. na osnovi "jedan-za-jedan" kada kupujete sličan novi proizvod, ili ovlašćenom centru za prikupljanje za reciklažu istrošene električne i elektronske opreme (EEE). Nepravilno rukovanje ovom vrstom otpada može da ima moguće negativne posledice po životnu sredinu i ljudsko zdravlje usled potencijalno opasnih materijala koji se uglavnom vezuju za EEE. U isto vreme, vaša saradnja na ispravnom odlaganju ovog proizvoda će doprineti efikasnom korišćenju prirodnih resursa. Za više informacija o tome gde možete da predate vašu staru opremu radi recikliranja, vas molimo, da kontaktirate lokalne gradske vlasti, komunalne službe, odobreni plan reciklaže ili Gradsku čistoću. Za više informacija o vraćanju i recikliranju WEEE proizvoda, posetite stranicu www.canon-europe.com/weee.

India only.



This product is not to be disposed of with your household waste, according to the e-waste (Management and Handling) Rules, 2011.

This product should be handed over to a designated collection point, e.g., to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information regarding return and recycling of WEEE products, please visit <http://www.canon.co.in/environment/>.

Also, this product complies with the "India E-waste Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 % by weight and 0.01 % by weight for Cadmium, except for the exemptions set in Schedule II of the Rule.

Environmental Information

Reducing your environmental impact while saving money

Power Consumption and Activation Time

The amount of electricity a device consumes depends on the way the device is used. This product is designed and set in a way to allow you to reduce your electricity costs. After the last print it switches to

Ready Mode. In this mode it can print again immediately if required. If the product is not used for a time, the device switches to its Power Save Mode. The devices consume less power (Watt) in these modes. If you wish to set a longer Activation Time or would like to completely deactivate the Power Save Mode, please consider that this device may then only switch to a lower energy level after a longer period of time or not at all.

Canon does not recommend extending the Activation Times from the optimum ones set as default.

Energy Star®

The Energy Star® programme is a voluntary scheme to promote the development and purchase of energy efficient models, which help to minimise environmental impact.

Products which meet the stringent requirements of the Energy Star® programme for both environmental benefits and the amount of energy consumption will carry the Energy Star® logo accordingly.

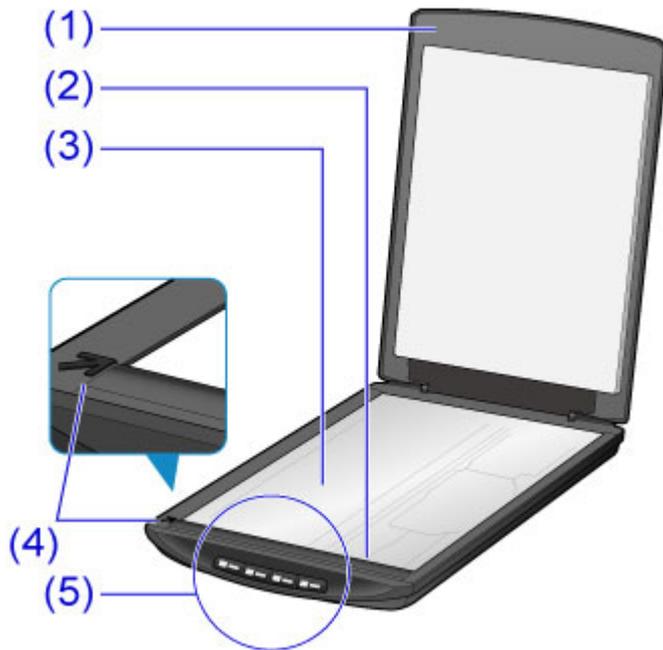
Paper types

This product can be used to print on both recycled and virgin paper (certified to an environmental stewardship scheme), which complies with EN12281 or a similar quality standard. In addition it can support printing on media down to a weight of 64g/m², lighter paper means less resources used and a lower environmental footprint for your printing needs.

Regulatory Model Code (RMC) is for identification and proof that the product complies with the regulations. Please note that RMC is different from the marketing model number of the product.



Main Components



(1) document cover

Presses down the placed item.

(2) scanning unit

The main part of the scanner that emits light and scans items.

(3) platen

Place the item to be scanned.

(4) alignment mark

Align a corner of the item with this mark.

(5) scanner buttons

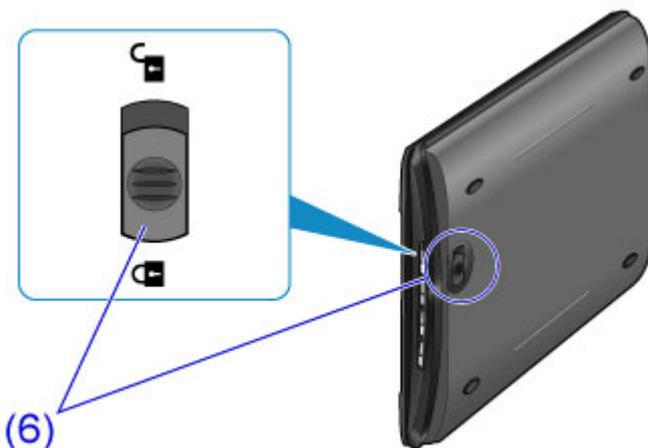
You can scan easily according to your purpose by simply pressing a button.

PDF button

AUTO SCAN button

COPY button

SEND button



(6) scanner lock switch

Lock or unlock the scanning unit.



(7) USB connector

Connect the supplied USB cable.

▶▶ Important

- There is no power switch or power lamp on this scanner. No AC adapter or power cord is required. When you connect a computer and the scanner with the USB cable and turn on the computer, the scanner also turns on.

Placing Items

- **Place the Item on the Platen**
- **Items You Can Place & How to Place Items**

Place the Item on the Platen

Place the item you want to scan on the platen.

1. Place the item on the platen.

1. Open the document cover.
2. Place the item on the platen with the side to scan facing down.

■ [Items You Can Place & How to Place Items](#)



▶▶▶ Important

- Be sure to observe the following when placing the item on the platen. The scanner may not work correctly or the glass may break.
 - Do not place any objects weighing 4.4 lb (2 kg) or more on the platen
 - Do not put any pressure of 4.4 lb (2 kg) or more on the platen

2. Close the document cover gently.

▶▶▶ Important

- After placing the item on the platen, be sure to close the document cover properly before starting to scan.

Items You Can Place & How to Place Items

The position to place an item may vary depending on the item to be scanned. Place the item in the correct position according to the item to be scanned. If you do not place the item correctly, it may not be scanned correctly.

The items you can place on the platen are as follows.

Property	Details
Types of items	Document, magazine, or newspaper Printed photo, postcard, business card, or disc (BD/DVD/CD, etc.)
Size (width x height)	Max. 8.5 inches x 11.7 inches (21.6 cm x 29.7 cm)

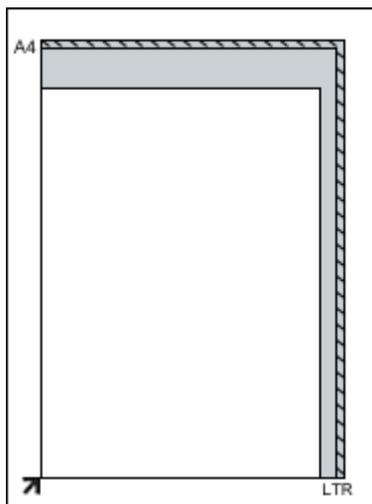
Placing the Item to Be Aligned with the Alignment Mark (↖)

When scanning documents, magazines, or newspapers

When scanning by specifying a standard size (A4, Letter, etc.)

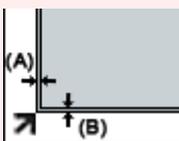
Place the item with the side to scan facing down and align it with the alignment mark (↖).

Portions placed on the diagonally striped area cannot be scanned.



▶▶ Important

- Portions placed over **(A)** (0.094 inch (2.4 mm) from the left edge of the platen) or **(B)** (0.106 inch (2.7 mm) from the front edge) cannot be scanned.

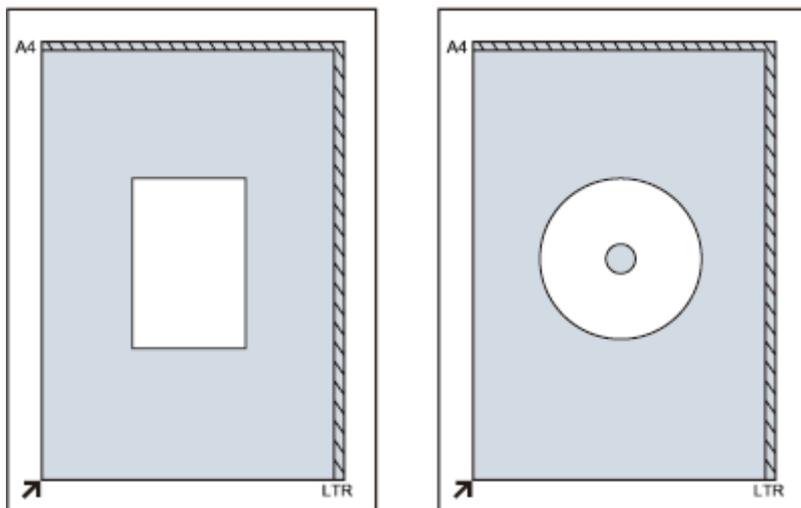


Placing the Item in the Center of the Platen

When scanning one printed photo, postcard, business card or BD/DVD/CD

Place the item at least 0.4 inch (1 cm) away from the edges of the platen, with the side to scan facing down.

Portions placed on the diagonally striped area cannot be scanned.



Placing Multiple Items

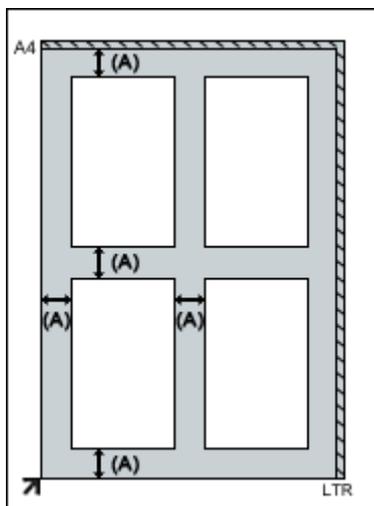
When scanning multiple printed photos, postcards, or business cards

Place the items at least 0.4 inch (1 cm) away from the edges of the platen, with the side to scan facing down.

Place them at least 0.4 inch (1 cm) apart from each other as well.

You can place up to four E-sized or L-sized items or two 2L-sized or postcard-sized items.

Portions placed on the diagonally striped area cannot be scanned.



(A) 0.4 inch (1 cm)

►► Note

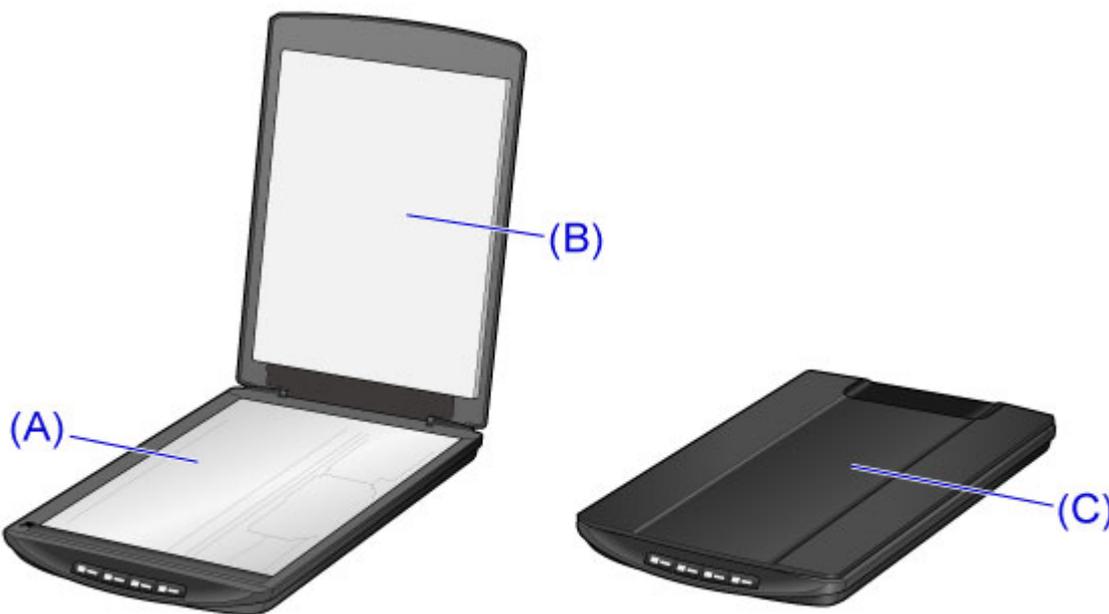
- Positions of slanted items (up to approximately 10 degrees) are corrected automatically by the Skew Correction function. Slanted photos with a long edge of approximately 7.1 inches (18 cm) or more cannot be corrected.
- Non-rectangular or irregular shaped photos (such as photos that have been cut to various shapes) may not be scanned correctly.

Maintenance

»» Important

- Disconnect the USB cable from the computer before cleaning the machine.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface.
- Never use alcohol, thinner, benzene, etc. The exterior may deform, discolor, or dissolve.

With a soft dry cloth, wipe the platen **(A)**, the inner side of the document cover (white sheet) **(B)**, and the exterior **(C)**. For stubborn dirt, clean with a well wrung damp cloth, then wipe off moisture with a soft dry cloth. Wipe thoroughly, especially the glass surface so as not to leave any residue.



»» Important

- Do not press the document cover or platen heavily. The glass may break and cause injury.
- Wipe off moisture thoroughly. Scanning with moisture left on the glass surface and document cover may affect the image.
- Do not wet the connectors or metal parts on the rear side of the machine. If they get wet, wipe them thoroughly with a dry cloth.
- Do not wipe with a wet cloth that has not been wrung well or directly spray water or detergent onto the machine. Moisture may get inside the machine and adhere to the inner side of the platen or sensor, causing an image defect or malfunction.

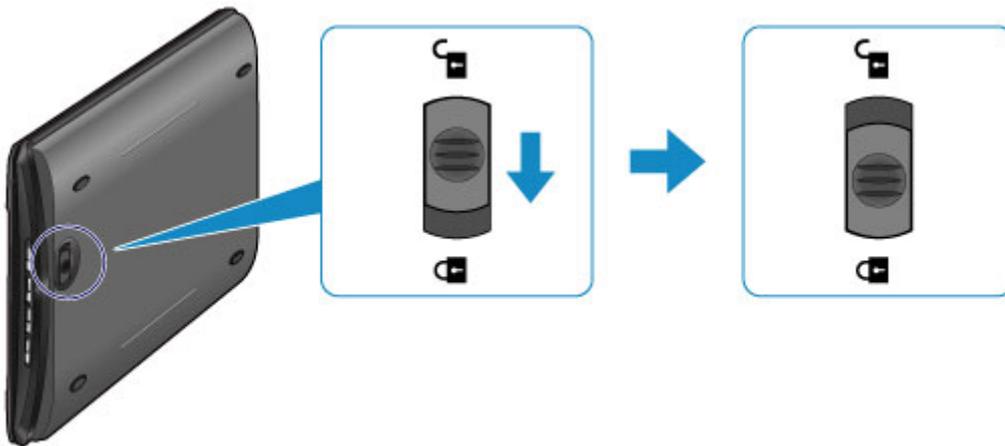
Precautions for Safe Transport of the Machine

When relocating the machine, make sure of the following.

▶▶▶ Important

- Pack the machine in a sturdy box so that it is placed with its bottom facing down, using sufficient protective material to ensure safe transport.
- When a shipping agent is handling transport of the machine, have its box marked "FRAGILE" or "HANDLE WITH CARE" with the bottom of the machine facing down.

1. Disconnect the USB cable.
2. Secure the document cover with adhesive tape to keep it closed.
3. Move the scanner lock switch on the bottom of the machine to the direction of the lock mark (🔒), then pack the machine in the bag.



4. Cover the four sides of the machine with the protective material when packing the machine in the box.

Legal Limitations on Use of Your Product and Use of Images

It may be unlawful to make copies of, scan, print, or use reproductions of the following documents.

The list provided is non-exhaustive. When in doubt, check with a legal representative in your jurisdiction.

- Paper money
- Money orders
- Certificates of deposit
- Postage stamps (canceled or uncanceled)
- Identifying badges or insignias
- Selective service or draft papers
- Checks or drafts issued by governmental agencies
- Motor vehicle licenses and certificates of title
- Traveler's checks
- Food stamps
- Passports
- Immigration papers
- Internal revenue stamps (canceled or uncanceled)
- Bonds or other certificates of indebtedness
- Stock certificates
- Copyrighted works/works of art without permission of copyright owner

Specifications

General Specifications

Scanner type	Flatbed
Sensor type	CIS
Light source	3-color (RGB) LED
Optical resolution *	2400 x 4800 dpi * Optical resolution represents the maximum sampling rate based on ISO 14473.
Selectable resolution	25 - 19200 dpi (ScanGear)
Scanning bit depth	Color: 48 bit (16 bit input for each color (RGB))/48 bit or 24 bit output (16 bit or 8 bit output for each color (RGB)) Grayscale: 16 bit or 8 bit output
Interface	Hi-Speed USB * * The fastest speed in Hi-Speed USB mode on Windows PC. Transfer time is not included. Scanning speed varies according to the item types, scan settings, or specifications of the computer.
Maximum document size	A4/Letter (8.5" x 11.7"/216 x 297 mm)
Scanner buttons	4 buttons (PDF, AUTO SCAN, COPY, SEND)
Operating environment	Temperature: 41 to 95 °F (5 to 35 °C) Humidity: 10 - 90 % RH (no condensation)
Power supply	Supplied via USB port (No external adapter required)
Power consumption	In operation: 2.5 W Stand-by: 1.5 W *1 Off: 11 mW *1 *1 USB connection to PC.
External dimensions	Approx. 9.9 (W) x 14.6 (D) x 1.6 (H) inches Approx. 250 (W) x 370 (D) x 40 (H) mm
Weight	Approx. 3.4 lb (1.6 kg.)

Minimum System Requirements

Conform to the operating system's requirements when higher than those given here.

Windows

Operating system	Windows 8, Windows 8.1 Windows 7, Windows 7 SP1 Windows Vista SP1, Windows Vista SP2 Windows XP SP3 32-bit only
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Browser	Internet Explorer 8 or later
Hard disk space	3.1 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.
Display	XGA 1024 x 768

Mac OS

Operating system	Mac OS X v10.6.8 or later
Browser	Safari 5 or later
Hard disk space	1.5 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.
Display	XGA 1024 x 768

- An internet connection is required to view the *Online Manual*.
- Windows: .NET Framework 4 or 4.5 must be installed to use the Windows software.
- Windows: A CD-ROM Drive or internet connection is required during software installation.
- Windows: XPS Essentials Pack is required to print on Windows XP.
- Windows: Operation can only be guaranteed on a computer with Windows 8.1, Windows 8, Windows 7, Windows Vista or Windows XP pre-installed.
- Windows: Some functions may not be available with Windows Media Center.
- Mac OS: Hard Disk must be formatted as Mac OS Extended (Journaled) or Mac OS Extended.
- Mac OS: For Mac OS, an internet connection is required during software installation.
- Windows: The TWAIN driver (ScanGear) is based on the TWAIN 1.9 Specification and requires the Data Source Manager bundled with the operating system.

Information in this guide is subject to change without notice.

Scanning



Scanning from a Computer



Scanning Using the Scanner Buttons

Scanning from a Computer

- ▶ [Scanning with IJ Scan Utility](#)
- ▶ [Scanning with ScanGear](#)
- ▶ [Scanning with Scanner Driver](#)
- ▶ [Useful Information on Scanning](#)
- ▶ [Placing Items \(When Scanning from a Computer\)](#)

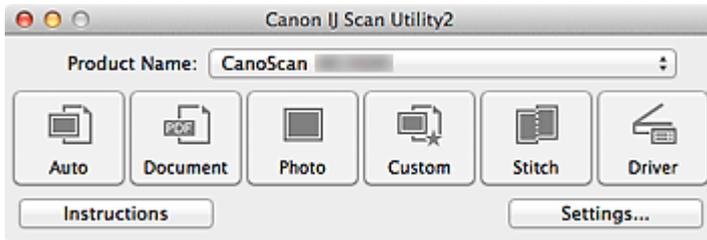
Scanning with IJ Scan Utility

- ▶ **What Is IJ Scan Utility (Scanner Software)?**
- ▶ **Starting IJ Scan Utility**
- ▶ **Easy Scanning with Auto Scan** 📄 **Basic**
- ▶ **Scanning Documents**
- ▶ **Scanning Photos**
- ▶ **Scanning with Favorite Settings**
- ▶ **Scanning Items Larger than the Platen (Image Stitch)**
- ▶ **Scanning Multiple Items at One Time**
- ▶ **Saving after Checking Scan Results**
- ▶ **Sending Scanned Images via E-mail**
- ▶ **Extracting Text from Scanned Images (OCR)**
- ▶ **IJ Scan Utility Screens**

What Is IJ Scan Utility (Scanner Software)?

IJ Scan Utility is an application that allows you to easily scan documents, photos, etc.

You can complete from scanning to saving at one time by simply clicking the corresponding icon in the IJ Scan Utility main screen.



What You Can Do with IJ Scan Utility

Scan Easily according to Purposes

You can scan by simply clicking an icon such as **Auto** to scan easily, **Document** to sharpen text in a document or magazine for better readability, or **Photo** to scan with settings suitable for photos, according to the item type or your purpose.

►►► Note

- Refer to "[IJ Scan Utility Main Screen](#)" for details on the IJ Scan Utility main screen.

Save Scanned Images Automatically

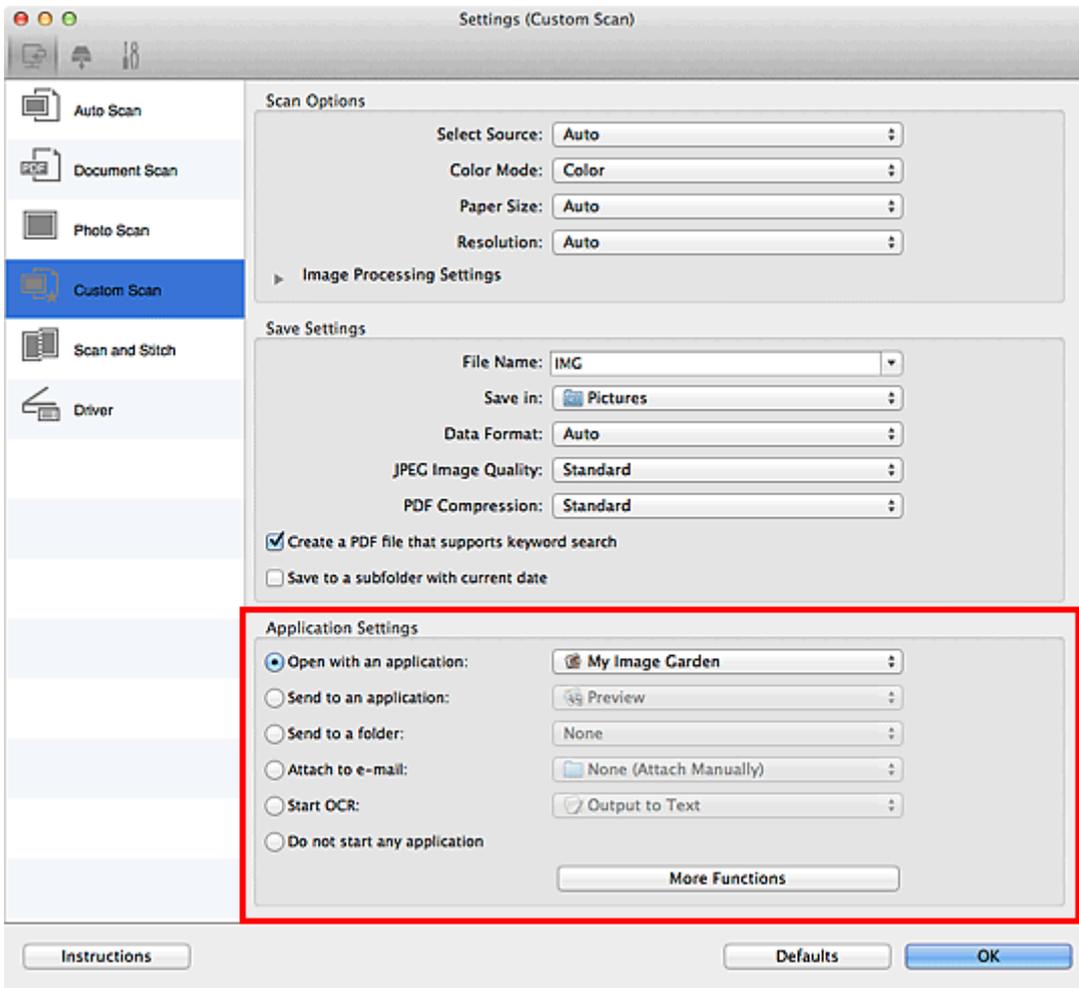
Scanned images are automatically saved in a preset folder. You can change the folder as required.

►►► Note

- The default save folder is the **Pictures** folder.
- Refer to "[Settings Dialog](#)" for how to specify a folder.

Integrate with Applications

You can utilize scanned images through integration with other applications; display scanned images in your favorite application, attach them to e-mails, extract text from images, and more.



»»» Important

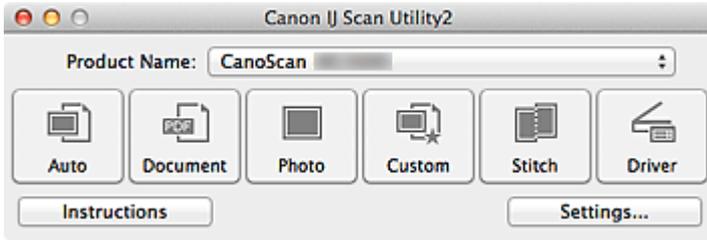
- Some functions are available only when My Image Garden is installed.

»»» Note

- Refer to "[Settings Dialog](#)" for how to set the applications to integrate with.

Starting IJ Scan Utility

From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **IJ Scan Utility** folder, and then **Canon IJ Scan Utility2** icon to start IJ Scan Utility.



Easy Scanning with Auto Scan

You can scan easily by automatically detecting the item type.

Important

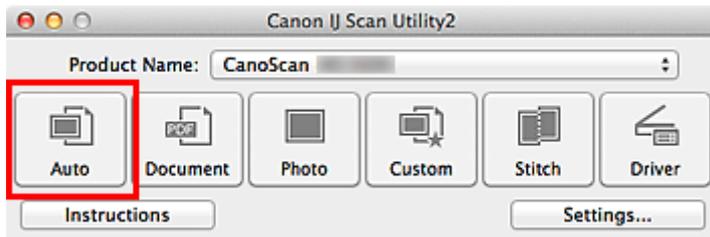
- The following types of items may not be scanned correctly. In that case, adjust the cropping frames (selection boxes; scan areas) in the screen displayed by clicking **Driver** in the IJ Scan Utility main screen and scan again.
 - Photos that have a whitish background
 - Items printed on white paper, hand-written documents, business cards, etc.
 - Thin items
 - Thick items

1. Place items on the platen of your scanner.

■ [Placing Items \(When Scanning from a Computer\)](#)

2. [Start IJ Scan Utility.](#)

3. Click **Auto**.



Scanning starts.

Note

- Click **Cancel** to cancel the scan.
- To apply suitable corrections based on the item type, click **Settings...**, then select the **Apply recommended image correction** checkbox in the **Settings (Auto Scan)** dialog.
- Scanned images are saved in the folder set for **Save in** in the [Settings \(Auto Scan\) dialog](#) displayed by clicking **Settings...**. In the **Settings (Auto Scan)** dialog, you can also make advanced scan settings.
- Refer to the following pages to scan by specifying the item type.
 - [Scanning Photos](#)
 - [Scanning Documents](#)
 - [Scanning with Favorite Settings](#)

Scanning Documents

You can scan items placed on the platen with settings suitable for documents.

1. Place the item on the platen.

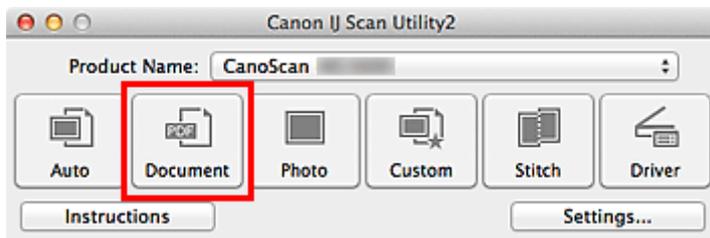
■ [Placing Items \(When Scanning from a Computer\)](#)

2. [Start IJ Scan Utility.](#)

3. Click **Settings...**, then set the paper size, resolution, etc. in the [Settings \(Document Scan\) dialog](#) as required.

When setting is completed, click **OK**.

4. Click **Document**.



Scanning starts.

▶▶▶ Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the [Settings \(Document Scan\) dialog](#) displayed by clicking **Settings...** In the **Settings (Document Scan)** dialog, you can also make advanced scan settings.

Scanning Photos

You can scan photos placed on the platen with settings suitable for photos.

1. Place the photo on the platen.

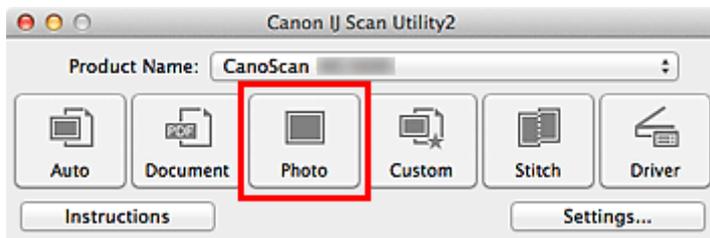
■ [Placing Items \(When Scanning from a Computer\)](#)

2. [Start IJ Scan Utility.](#)

3. Click **Settings...**, then set the paper size, resolution, etc. in the [Settings \(Photo Scan\) dialog](#) as required.

When setting is completed, click **OK**.

4. Click **Photo**.



Scanning starts.

▶▶▶ Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the [Settings \(Photo Scan\) dialog](#) displayed by clicking **Settings...**. In the **Settings (Photo Scan)** dialog, you can also make advanced scan settings.

Scanning with Favorite Settings

You can scan items placed on the platen with your favorite settings saved beforehand.

This is convenient for saving frequently used settings or when specifying scan settings in detail.

1. [Start IJ Scan Utility.](#)
2. Click **Settings...**, then set the item type, resolution, etc. in the [Settings \(Custom Scan\) dialog](#) as required.

When setting is completed, click **OK**.

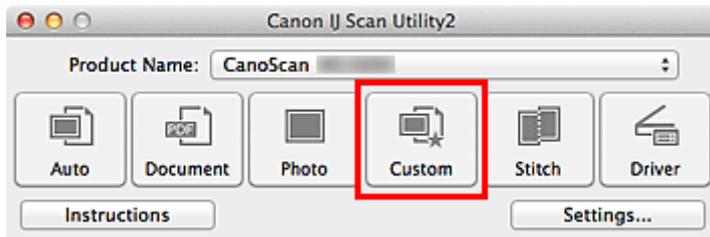
▶▶▶ Note

- Once the settings are made, you can scan with the same settings from the next time.

3. Place the item on the platen.

■ [Placing Items \(When Scanning from a Computer\)](#)

4. Click **Custom**.



Scanning starts.

▶▶▶ Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the [Settings \(Custom Scan\) dialog](#) displayed by clicking **Settings...**. In the **Settings (Custom Scan)** dialog, you can also make advanced scan settings.

Scanning Items Larger than the Platen (Image Stitch)

You can scan the left and right halves of an item larger than the platen and combine them back into one image. Items up to approximately twice as large as the platen are supported.

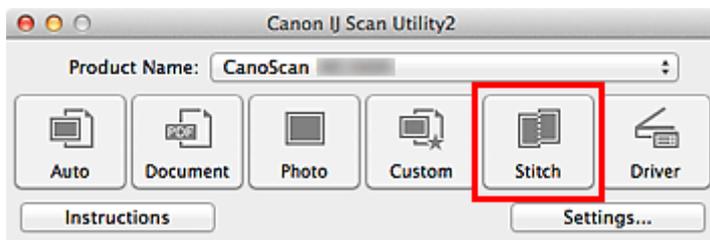
▶▶▶ Note

- The following explains how to scan from the item to be placed on the left side.

1. [Start IJ Scan Utility](#).
2. Click **Settings...**, then set the item type, resolution, etc. in the [Settings \(Scan and Stitch\) dialog](#) as required.

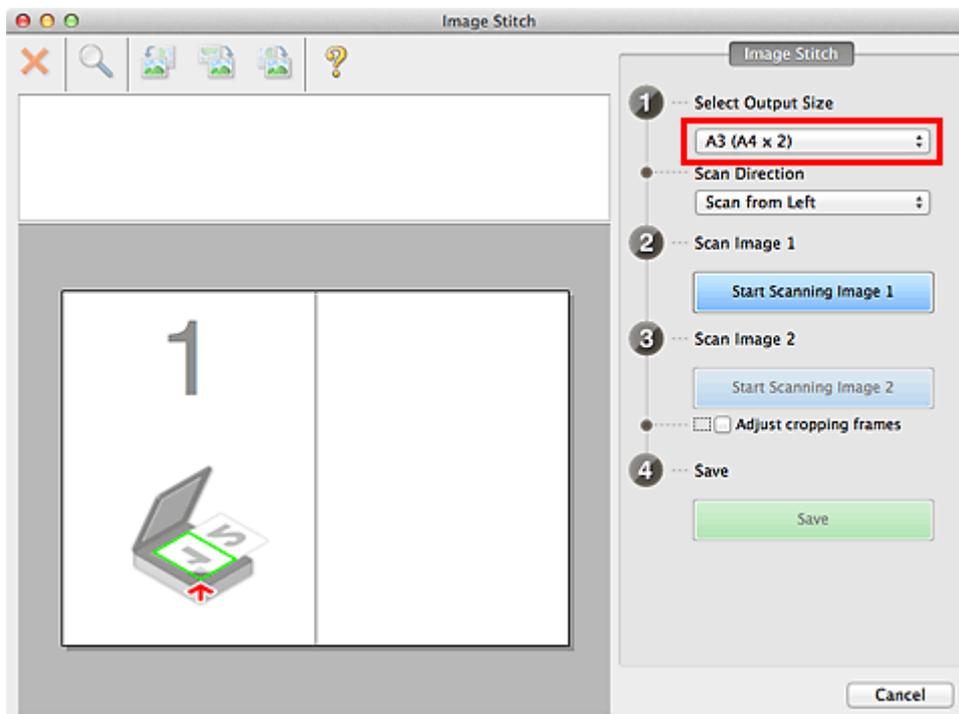
When setting is completed, click **OK**.

3. Click **Stitch**.

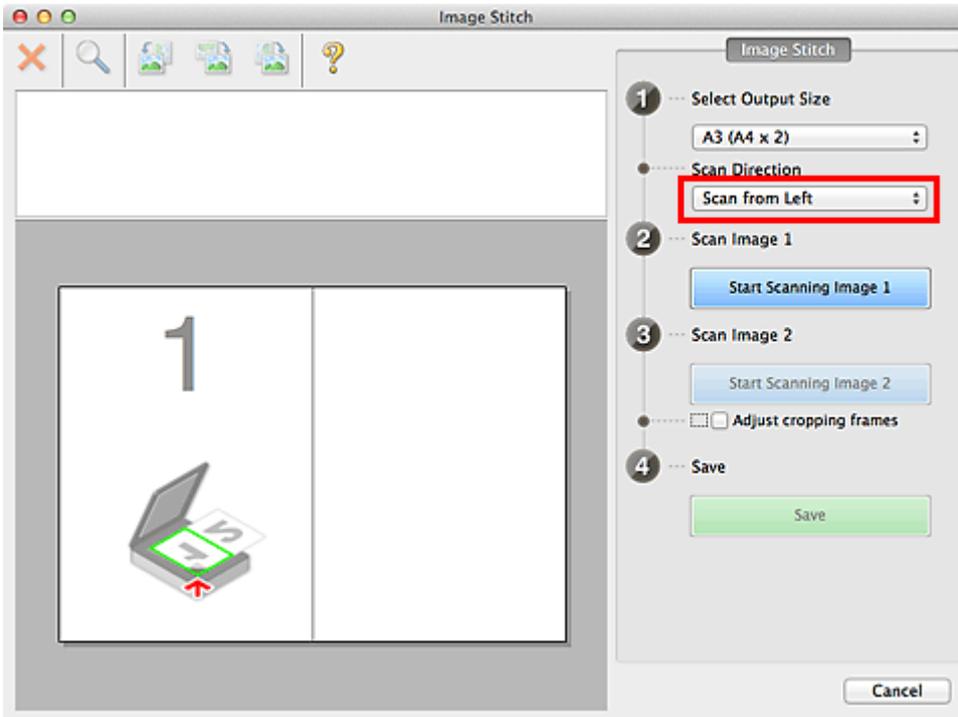


The **Image Stitch** window appears.

4. In **Select Output Size**, select an output size according to the paper size.

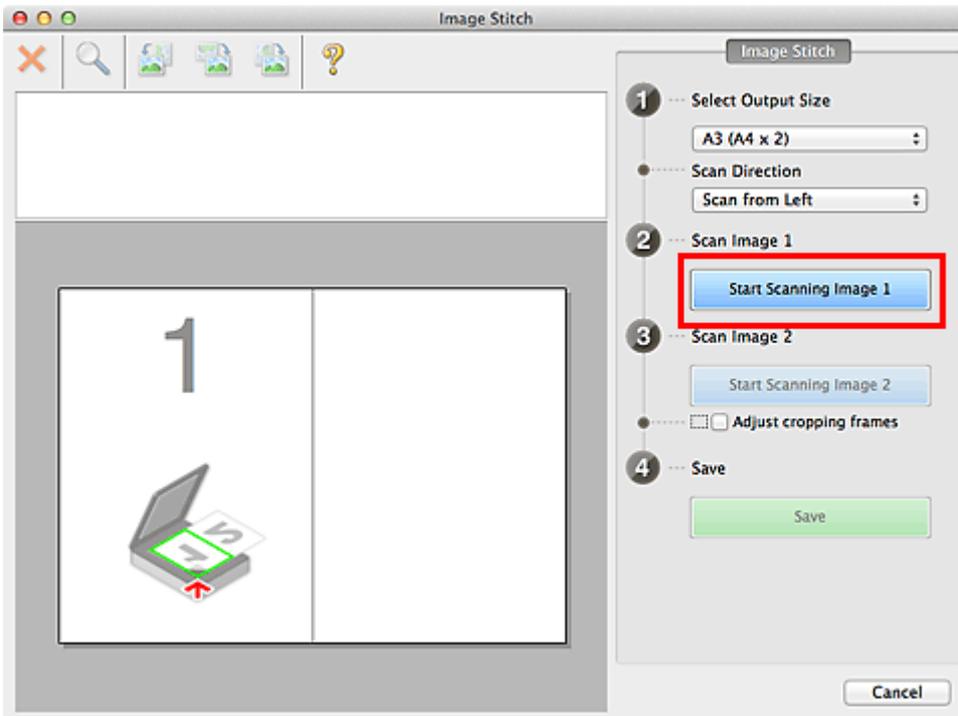


5. Make sure that **Scan from Left** is selected in **Scan Direction**.



6. Place the item that is to be displayed on the left side of the screen face-down on the platen.

7. Click **Start Scanning Image 1**.



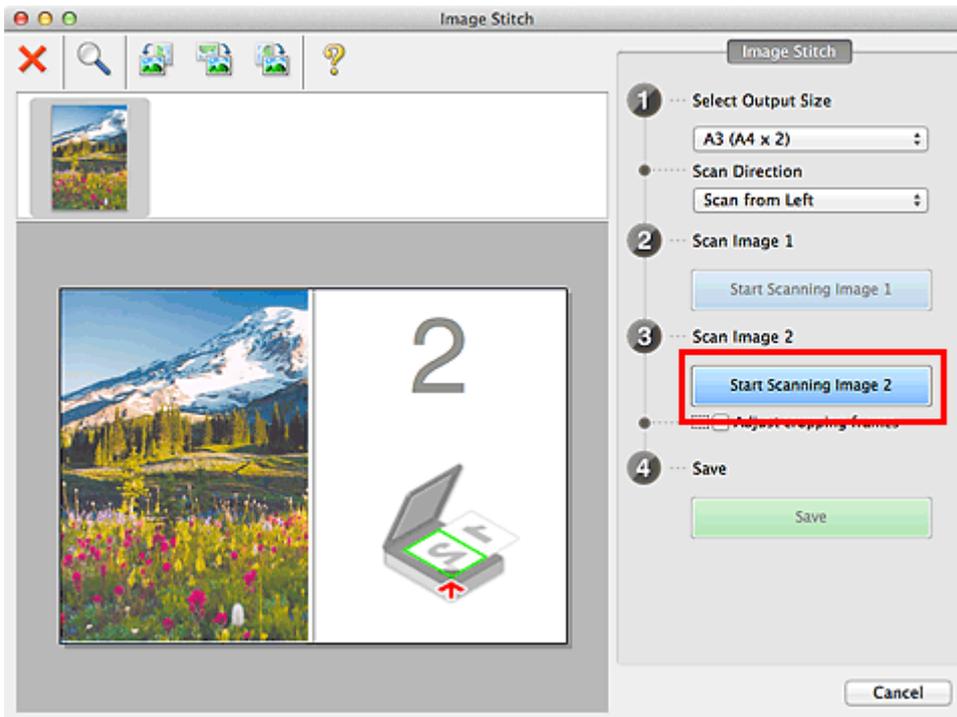
The first item is scanned and appears in 1.

▶▶▶ Note

- Click **Cancel** to cancel the scan.

8. Place the item that is to be displayed on the right side of the screen face-down on the platen.

9. Click **Start Scanning Image 2**.



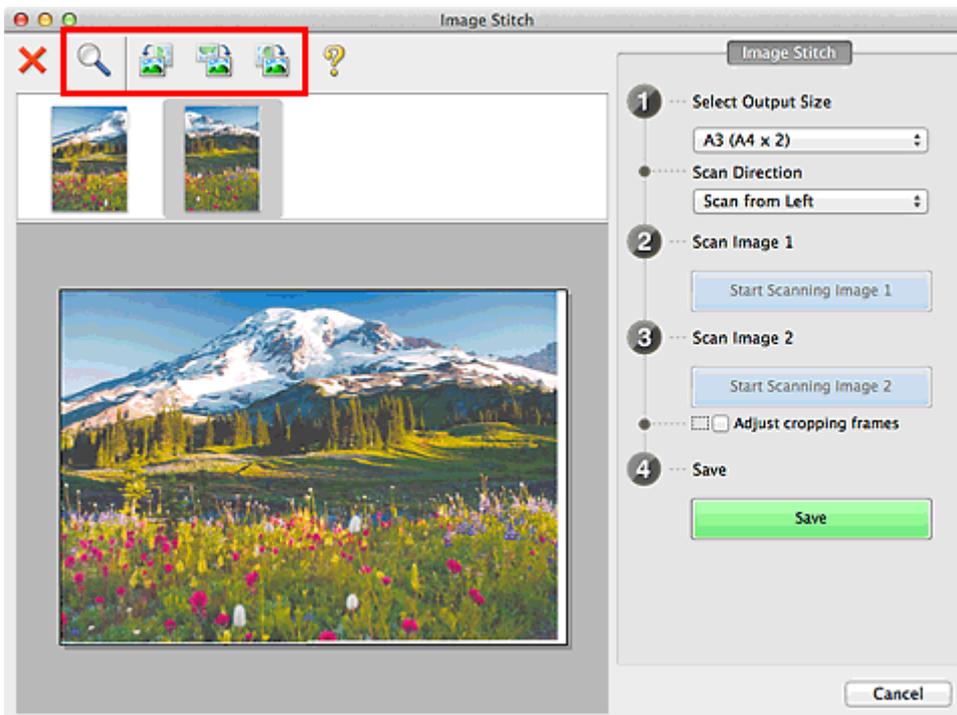
The second item is scanned and appears in 2.

►►► **Note**

- Click **Cancel** to cancel the scan.

10. Adjust the scanned images as required.

Use the Toolbar to rotate or zoom in/out, or drag the images to adjust their positions.



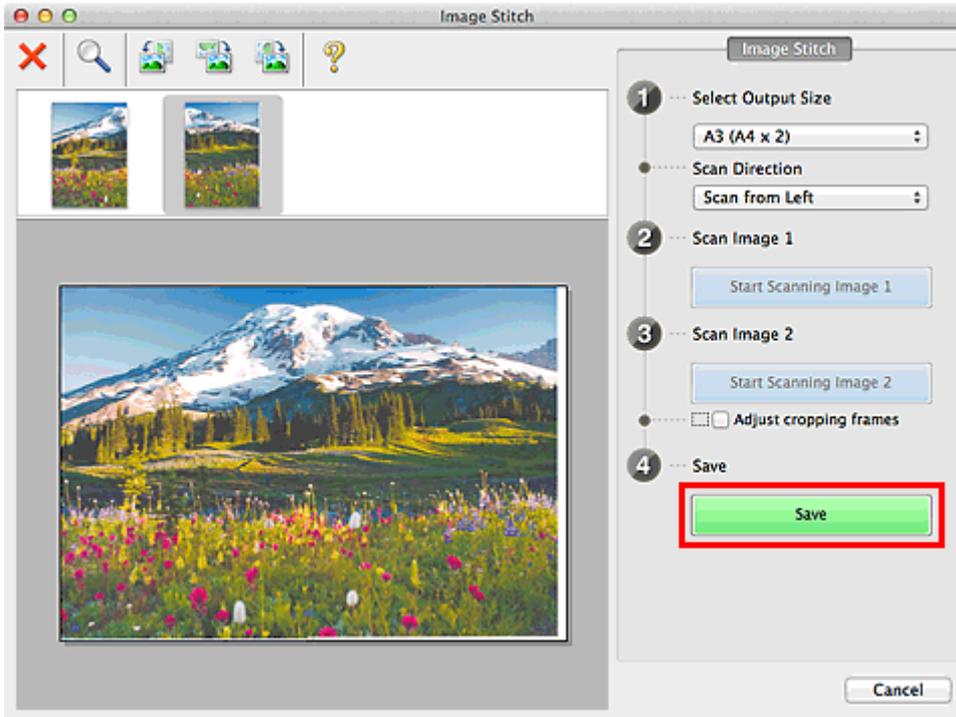
►►► **Note**

- Select the **Adjust cropping frames** checkbox to specify the area to be saved.

■ [Adjusting Cropping Frames in the Image Stitch Window](#)

- To scan an item again, select the image in the Preview area or the thumbnail at the top of the screen, then click  (Delete). The selected image is deleted, allowing you to scan the item again.

11. Click **Save**.



The combined image is saved.

▶▶▶ **Note**

- Refer to "[Image Stitch Window](#)" for details on the **Image Stitch** window.
- You can make advanced scan settings in the [Settings \(Scan and Stitch\) dialog](#) displayed by clicking **Settings....**

Scanning Multiple Items at One Time

You can scan two or more photos (small items) placed on the platen at one time and save each image individually.

►►► Important

- The following types of items may not be scanned correctly. In that case, adjust the cropping frames (selection boxes; scan areas) in the screen displayed by clicking **Driver** in the IJ Scan Utility main screen and scan again.
 - Photos that have a whitish background
 - Items printed on white paper, hand-written documents, business cards, etc.
 - Thin items
 - Thick items

Using Auto Scan:

Whether there are multiple items or not is detected automatically. Click **Auto** and scan.

- [Easy Scanning with Auto Scan](#)

Not Using Auto Scan:

In the Settings dialog, set **Paper Size** to **Auto scan** and scan.

►►► Note

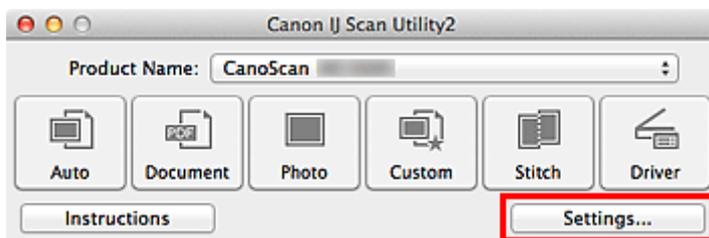
- The screens for scanning with favorite settings are used as examples in the following descriptions.

1. Place the items on the platen.

- [Placing Items \(When Scanning from a Computer\)](#)

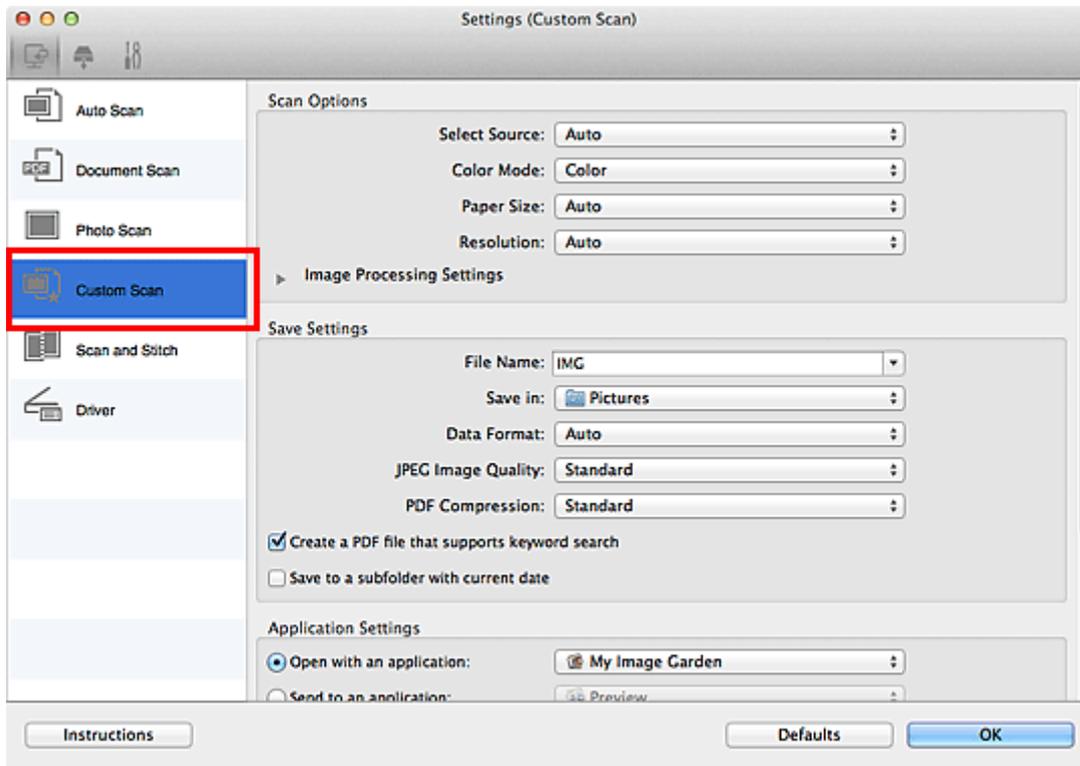
2. [Start IJ Scan Utility.](#)

3. Click **Settings...**

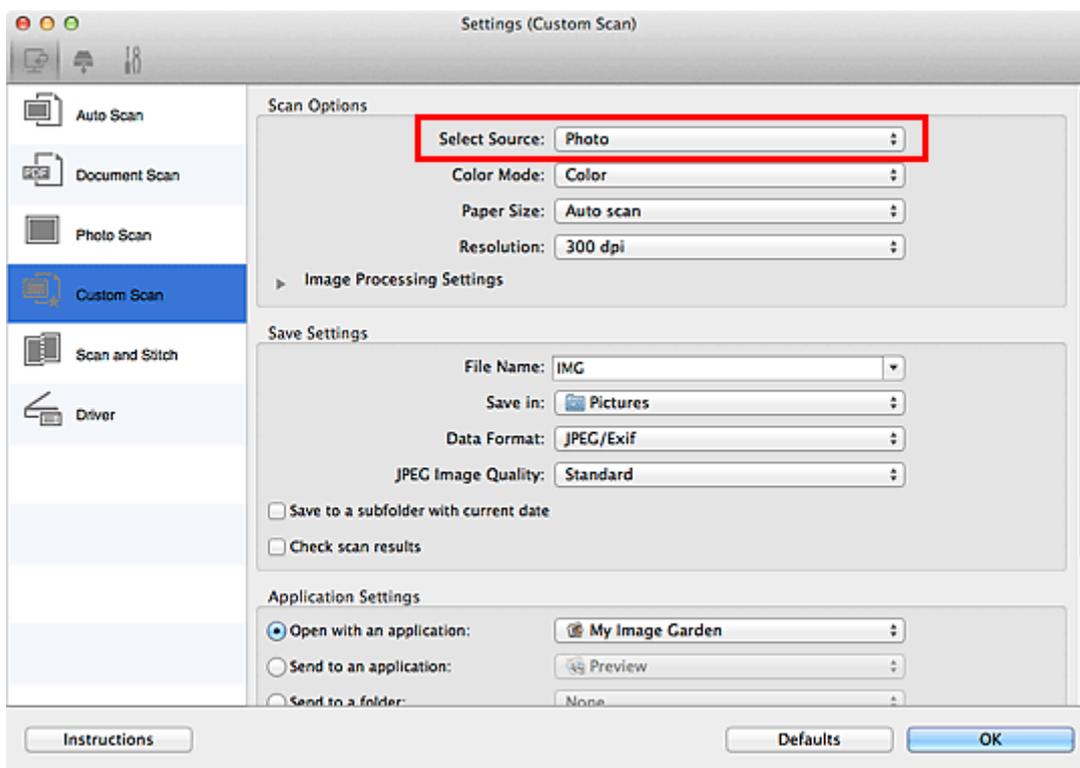


The Settings dialog appears.

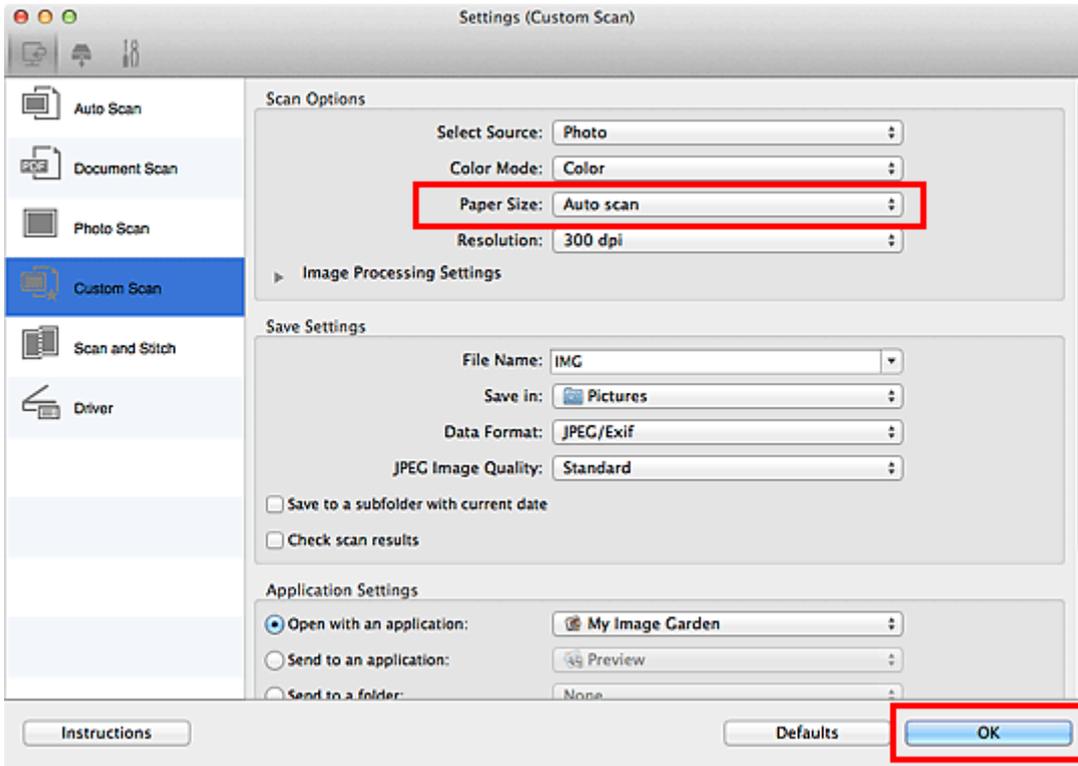
4. Click **Custom Scan**.



5. Select **Select Source** according to the items to be scanned.



6. Select **Auto scan** for **Paper Size**, then click **OK**.



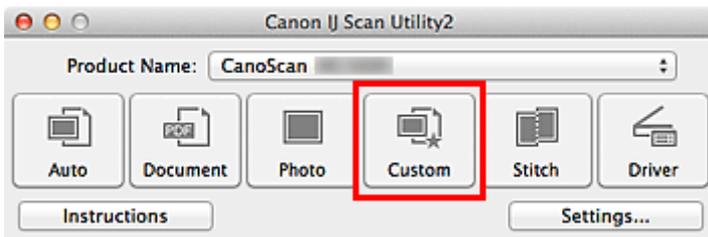
The IJ Scan Utility main screen appears.

▶▶▶ Note

- Refer to the following pages for details on the setting items in the Settings dialog.

- [Settings \(Document Scan\) Dialog](#)
- [Settings \(Photo Scan\) Dialog](#)
- [Settings \(Custom Scan\) Dialog](#)

7. Click **Custom**.



Multiple items are scanned at one time.

▶▶▶ Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the corresponding Settings dialog displayed by clicking **Settings...**. In each Settings dialog, you can also make advanced scan settings.

Saving after Checking Scan Results

You can check the scan results, then save the images to a computer.

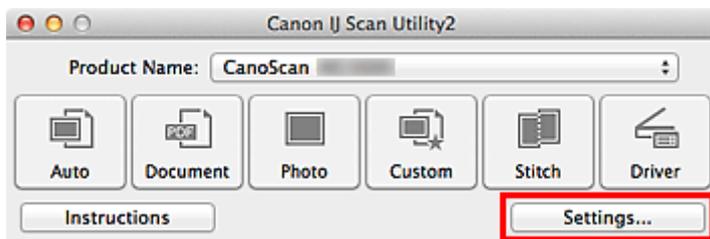
Important

- You cannot check the scan results before saving when scanned using **Auto** scan or the scanner buttons.

Note

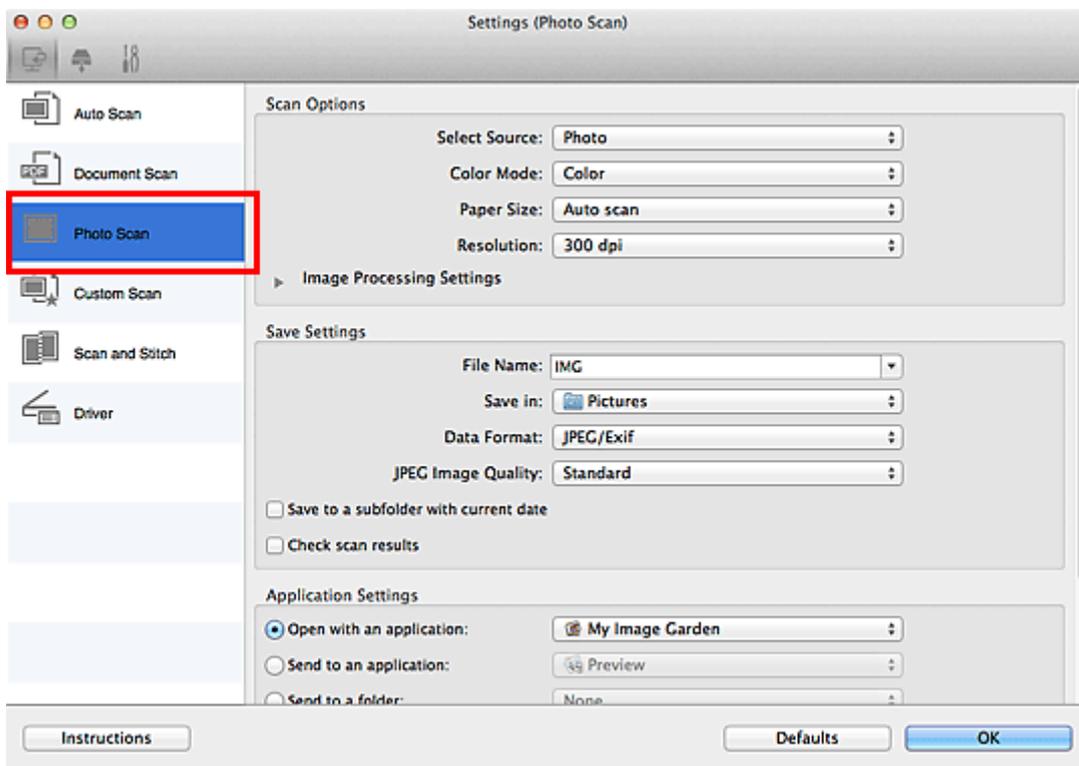
- The screens for scanning photos are used as examples in the following descriptions.

1. [Start IJ Scan Utility](#).
2. Click **Settings...**

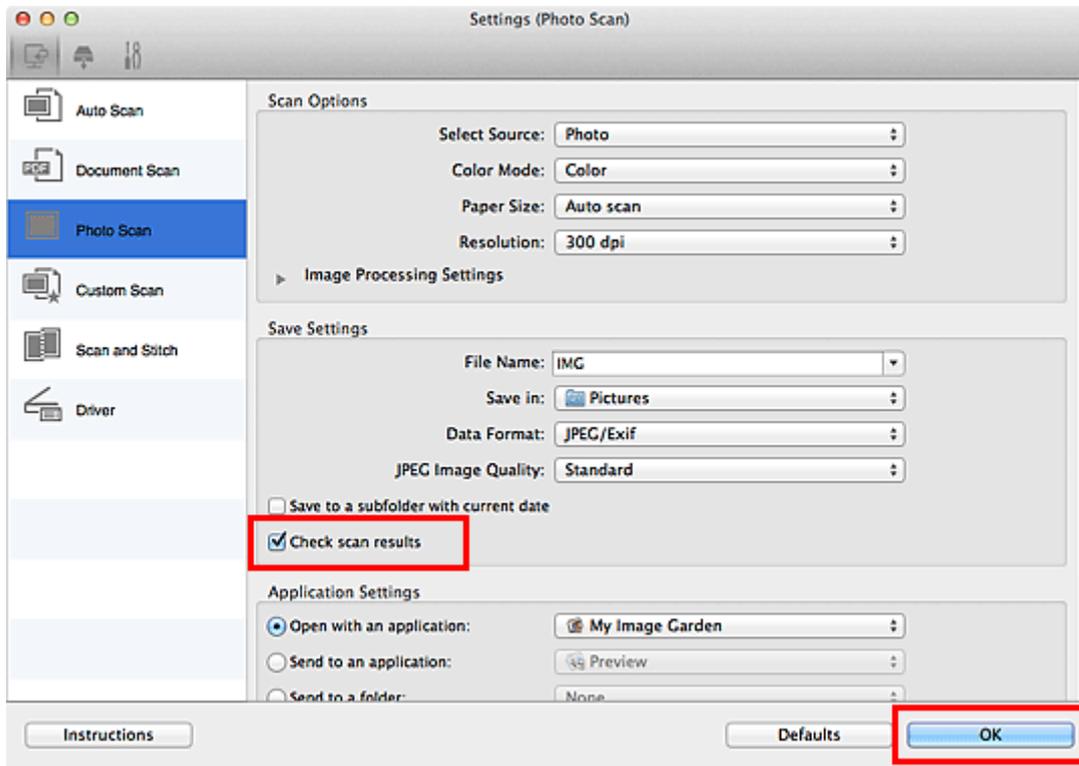


The [Settings dialog](#) appears.

3. Click **Photo Scan**.



4. Select the **Check scan results** checkbox, then click **OK**.



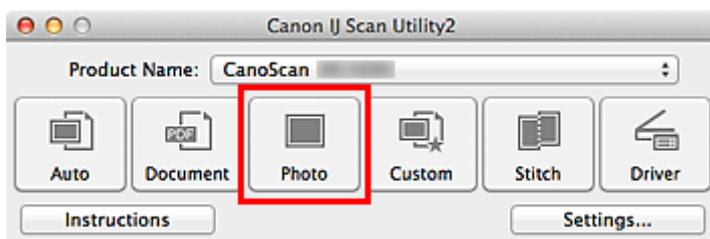
The IJ Scan Utility main screen appears.

▶▶▶ Note

- Refer to the following pages for details on the setting items in the Settings dialog.

- [Settings \(Document Scan\) Dialog](#)
- [Settings \(Photo Scan\) Dialog](#)
- [Settings \(Custom Scan\) Dialog](#)
- [Settings \(Scan and Stitch\) Dialog](#)
- [Settings \(Driver\) Dialog](#)

5. Click **Photo**.



Scanning starts.

When scanning is completed, the **Save Settings** dialog appears.

▶▶▶ Note

- Click **Cancel** to cancel the scan.

6. Change the image order or file save options as required.

You can change the image order or file save options in the [Save Settings dialog](#).

»» Note

- The default save folder is the **Pictures** folder.

7. Click **OK**.

Scanned images are saved according to the settings.

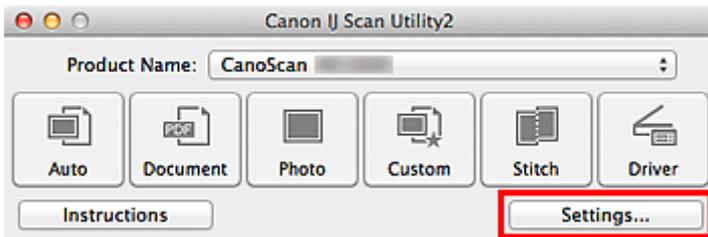
Sending Scanned Images via E-mail

You can send scanned images via e-mail.

►►► Note

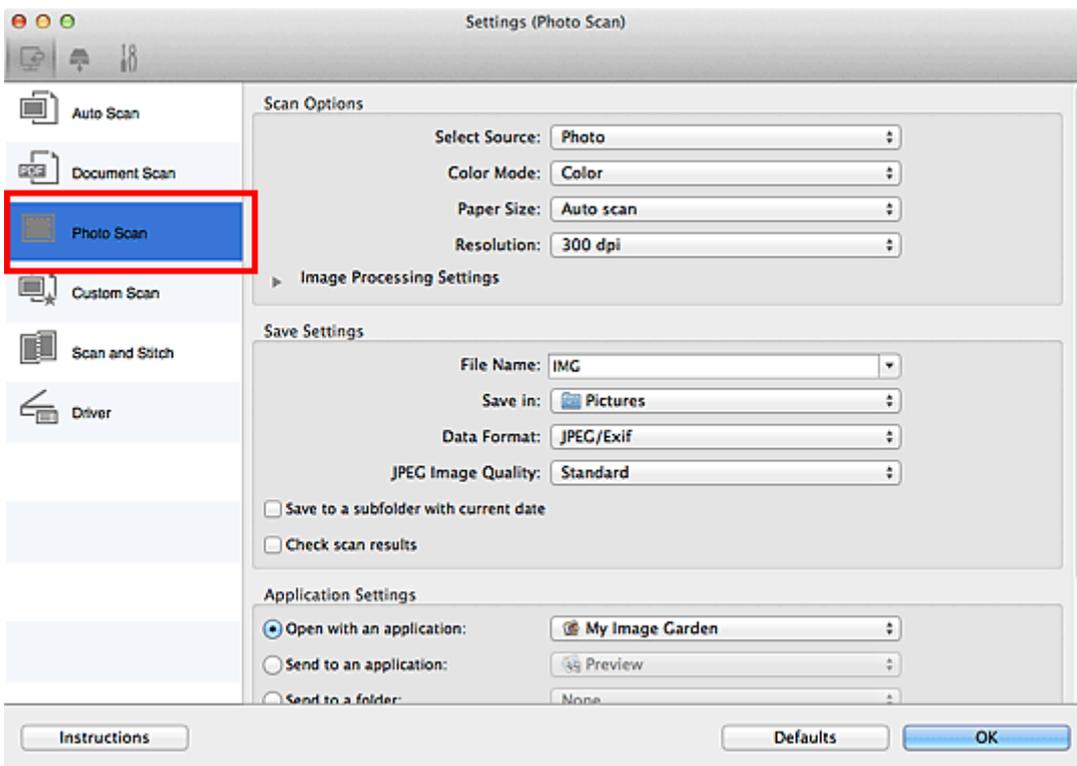
- The screens for scanning photos are used as examples in the following descriptions.

1. [Start IJ Scan Utility](#).
2. Click **Settings...**

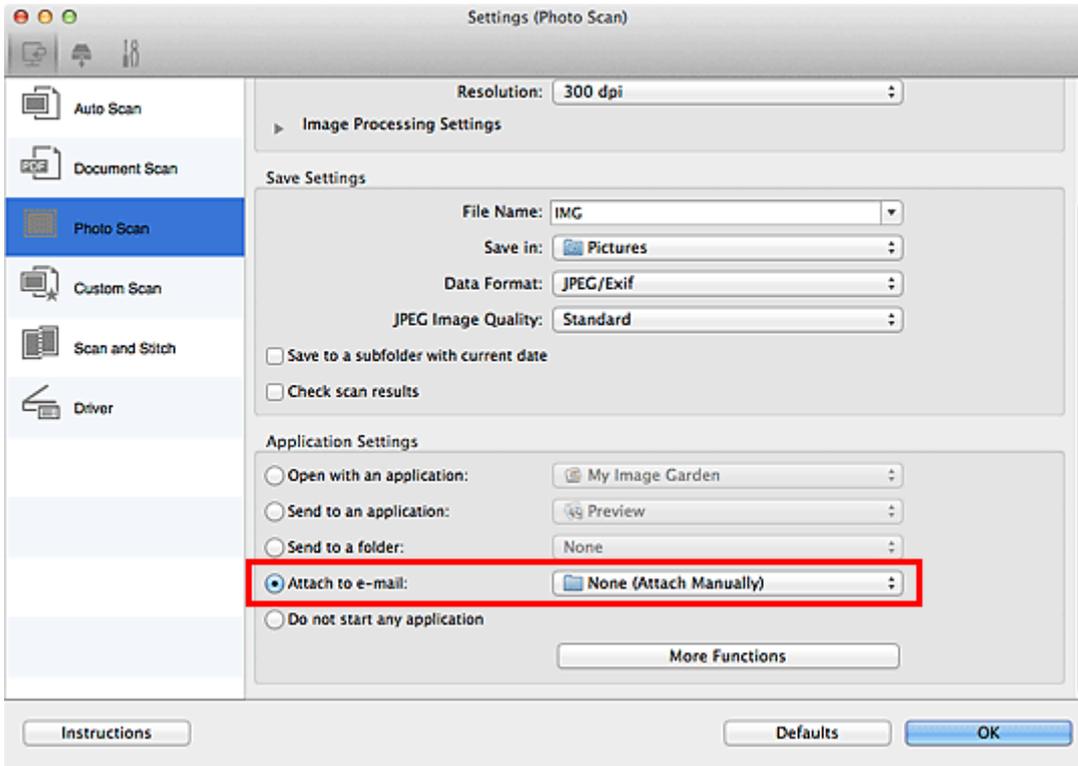


The [Settings dialog](#) appears.

3. Click **Photo Scan**.



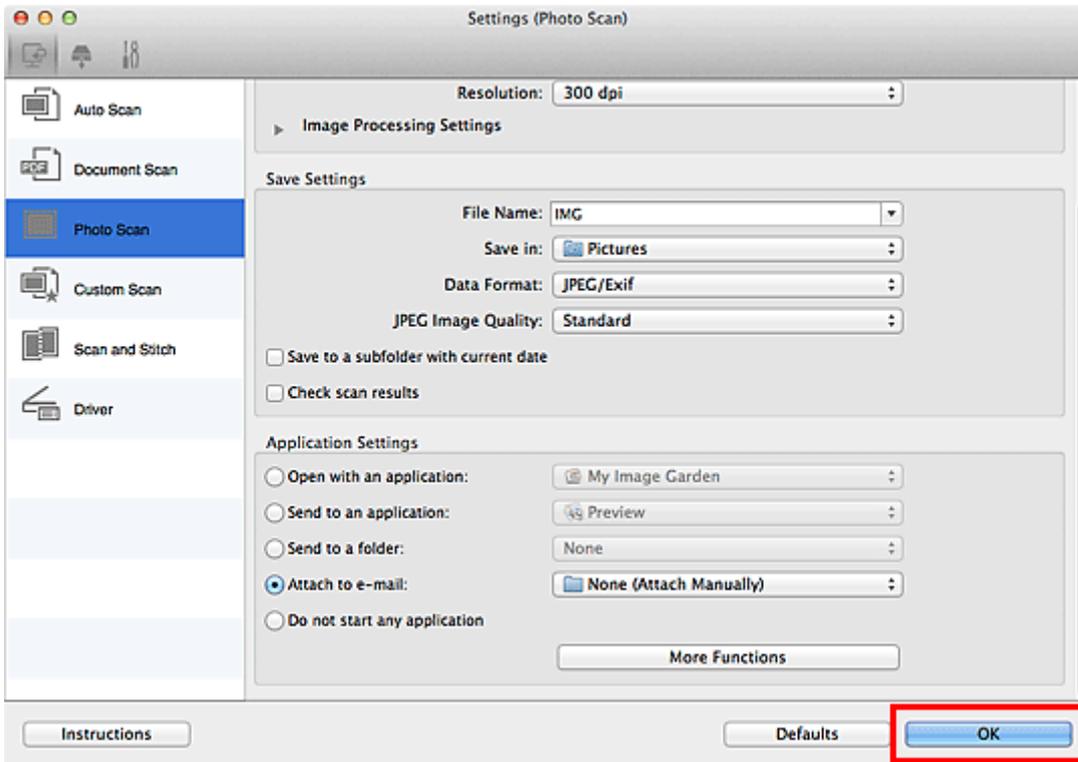
4. Select **Attach to e-mail** in **Application Settings**, then select an e-mail client.



►► Note

- You can add e-mail clients to use for attachments from the pop-up menu.
- If **None (Attach Manually)** is selected, manually attach scanned and saved images to e-mail.

5. Click **OK**.



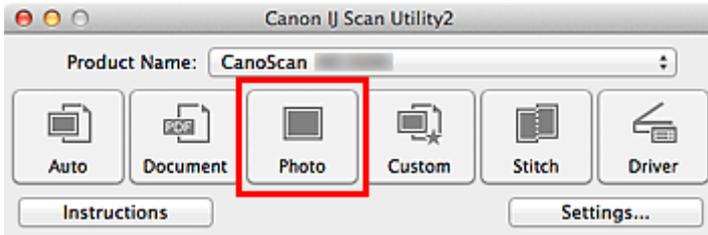
The IJ Scan Utility main screen appears.

►► Note

- Refer to the following pages for details on the setting items in the Settings dialog.

- [Settings \(Auto Scan\) Dialog](#)
- [Settings \(Document Scan\) Dialog](#)
- [Settings \(Photo Scan\) Dialog](#)
- [Settings \(Custom Scan\) Dialog](#)
- [Settings \(Driver\) Dialog](#)

6. Click **Photo**.



Scanning starts.

When scanning is completed, the specified e-mail client starts and the images will be attached to a new message.

▶▶▶ Note

- Click **Cancel** to cancel the scan.
- The scanned images are saved according to the settings made in the Settings dialog.
- When the **Check scan results** checkbox is selected in the Settings dialog, the [Save Settings dialog](#) appears. After you set the save options and click **OK**, the scanned images are saved and automatically attached to a new message of the specified e-mail client.

7. Specify the recipient, enter the subject and message, then send e-mail.

Refer to the manual of your e-mail client for e-mail settings.

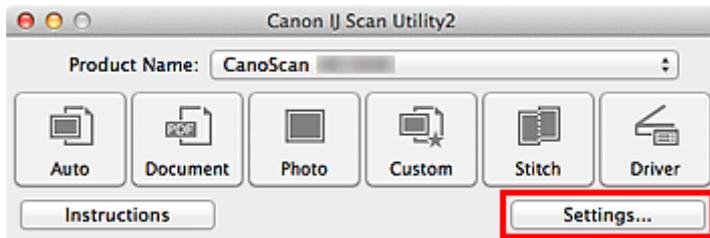
Extracting Text from Scanned Images (OCR)

Scan text in scanned magazines and newspapers and display it in your text editor.

►►► Note

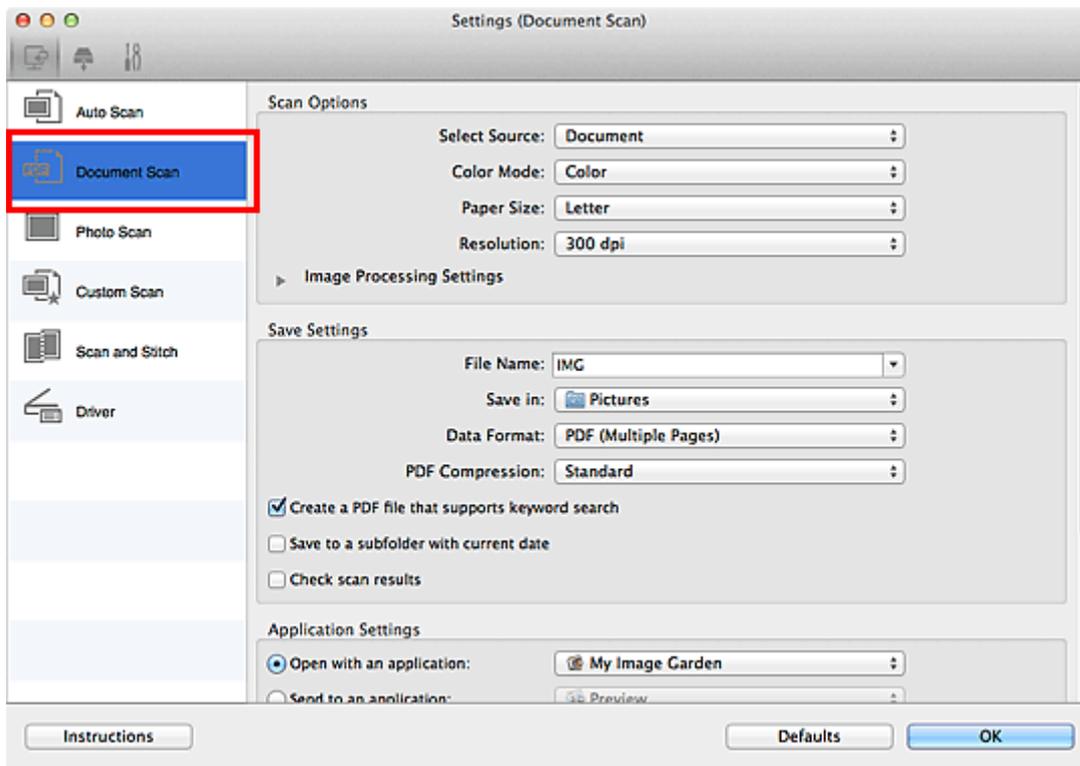
- You can extract text when scanning via **Document**, **Custom**, or **Driver**.
- The screens for scanning documents are used as examples in the following descriptions.

1. [Start IJ Scan Utility](#).
2. Click **Settings....**



The [Settings dialog](#) appears.

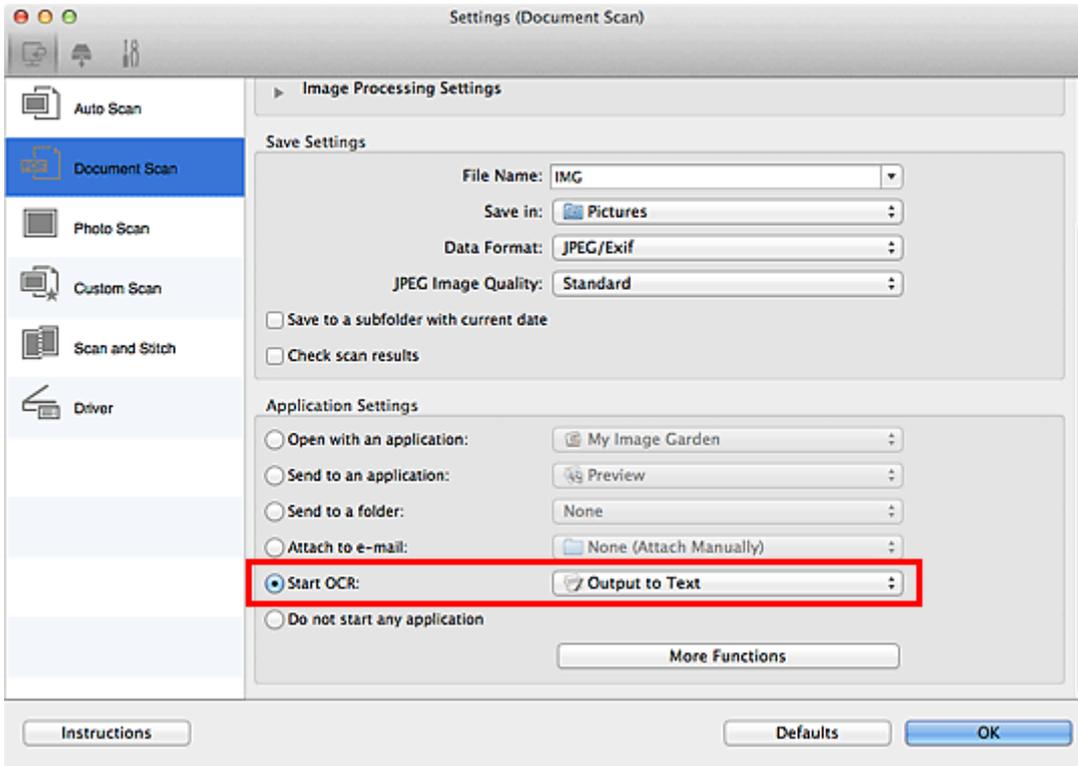
3. Click **Document Scan**.



►►► Note

- For **Resolution**, only **300 dpi** or **400 dpi** can be set when **Start OCR** is selected in **Application Settings**.

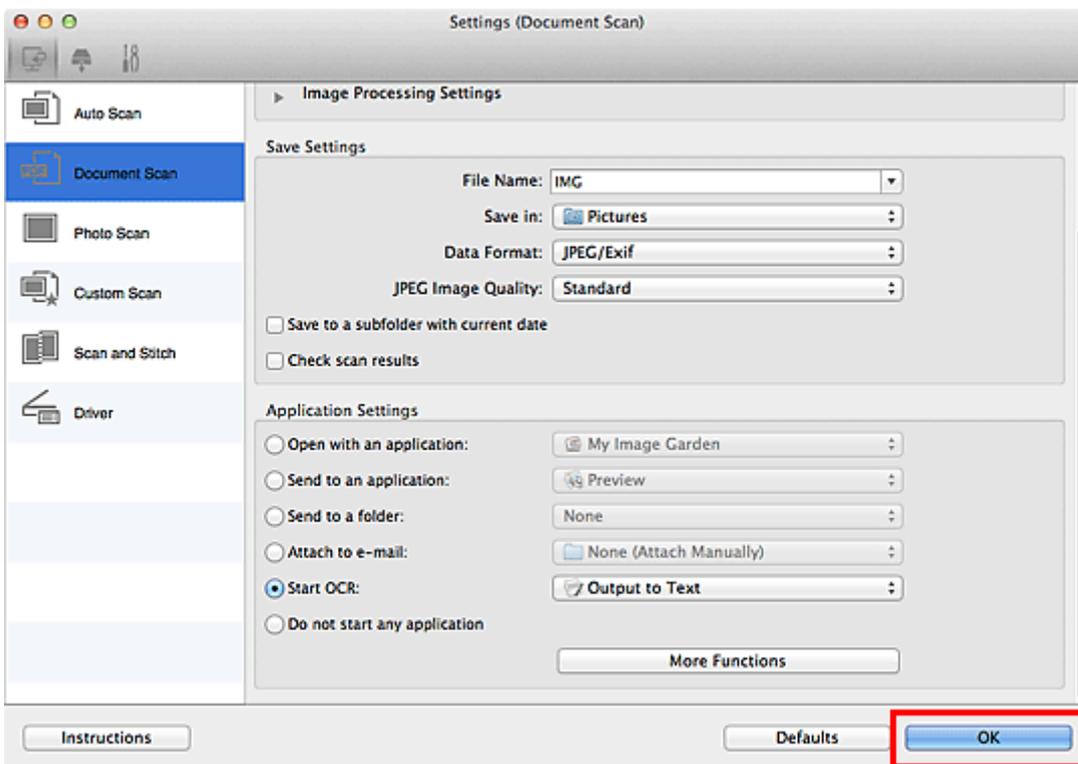
4. Select **Start OCR** for **Application Settings**, then select the application in which you want to display the result.



►► Note

- If a compatible application is not installed, the text in the image is extracted and appears in your text editor.
Text to be displayed is based on **Document Language** in the [Settings \(General Settings\) dialog](#). Select the language you want to extract in **Document Language** and scan.
- You can add the application from the pop-up menu.

5. Click **OK**.



The IJ Scan Utility main screen appears.

»» Note

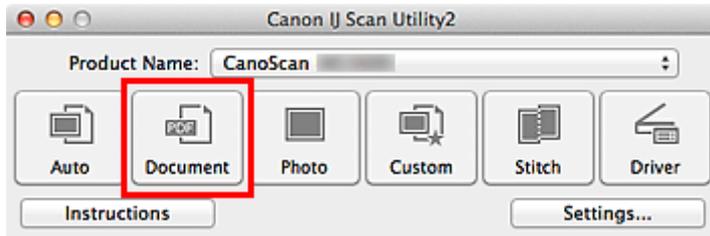
- Refer to the following pages for details on the setting items in the Settings dialog.

■ [Settings \(Document Scan\) Dialog](#)

■ [Settings \(Custom Scan\) Dialog](#)

■ [Settings \(Driver\) Dialog](#)

6. Click **Document**.



Scanning starts.

When scanning is completed, the scanned images are saved according to the settings, and the extracted text appears in the specified application.

»» Note

- Click **Cancel** to cancel the scan.
- Text displayed in your text editor is for guidance only. Text in the image of the following types of documents may not be detected correctly.
 - Documents containing text with font size outside the range of 8 points to 40 points (at 300 dpi)
 - Slanted documents
 - Documents placed upside down or documents with text in the wrong orientation (rotated characters)
 - Documents containing special fonts, effects, italics, or hand-written text
 - Documents with narrow line spacing
 - Documents with colors in the background of text
 - Documents containing multiple languages

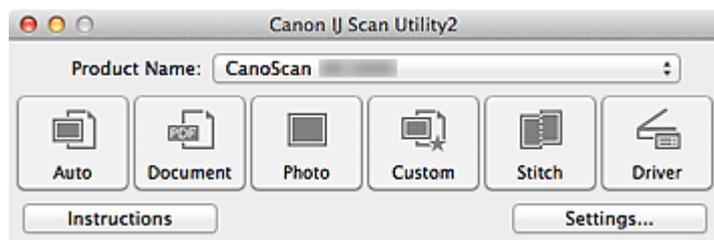
IJ Scan Utility Screens

- ▶ **IJ Scan Utility Main Screen**
- ▶ **Settings Dialog**
 - **Settings (Auto Scan) Dialog**
 - **Settings (Document Scan) Dialog**
 - **Settings (Photo Scan) Dialog**
 - **Settings (Custom Scan) Dialog**
 - **Settings (Scan and Stitch) Dialog**
 - **Settings (Driver) Dialog**
 - **Settings (AUTO SCAN) Dialog**
 - **Settings (PDF) Dialog**
 - **Settings (COPY) Dialog**
 - **Settings (SEND) Dialog**
 - **Settings (General Settings) Dialog**
- ▶ **Save Settings Dialog**
- ▶ **Image Stitch Window**

IJ Scan Utility Main Screen

From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **IJ Scan Utility** folder, and then **Canon IJ Scan Utility2** icon to start IJ Scan Utility.

You can complete from scanning to saving at one time by simply clicking the corresponding icon.



Product Name

Displays the name of the product that IJ Scan Utility is currently set to use.

If the displayed product is not the one you want to use, select the desired product from the list.

Auto

Detects the item type automatically and saves them to a computer. The data format for saving will also be set automatically.

Save settings and the response after scanning can be specified in the [Settings \(Auto Scan\) dialog](#).

Document

Scans items as documents and saves them to a computer.

Scan/save settings and the response after scanning can be specified in the [Settings \(Document Scan\) dialog](#).

Photo

Scans items as photos and saves them to a computer.

Scan/save settings and the response after scanning can be specified in the [Settings \(Photo Scan\) dialog](#).

Custom

Scans items with your favorite settings and saves the images to a computer. The item type can be automatically detected.

Scan/save settings and the response after scanning can be specified in the [Settings \(Custom Scan\) dialog](#).

Stitch

Displays the **Image Stitch** window in which you can scan the left and right halves of an item larger than the platen and combine the scanned images back into one image.

Scan/save settings and the response after scanning can be specified in the [Settings \(Scan and Stitch\) dialog](#).

Driver

Allows you to make image corrections and color adjustments when scanning.

Scan/save settings and the response after scanning can be specified in the [Settings \(Driver\) dialog](#).

Instructions

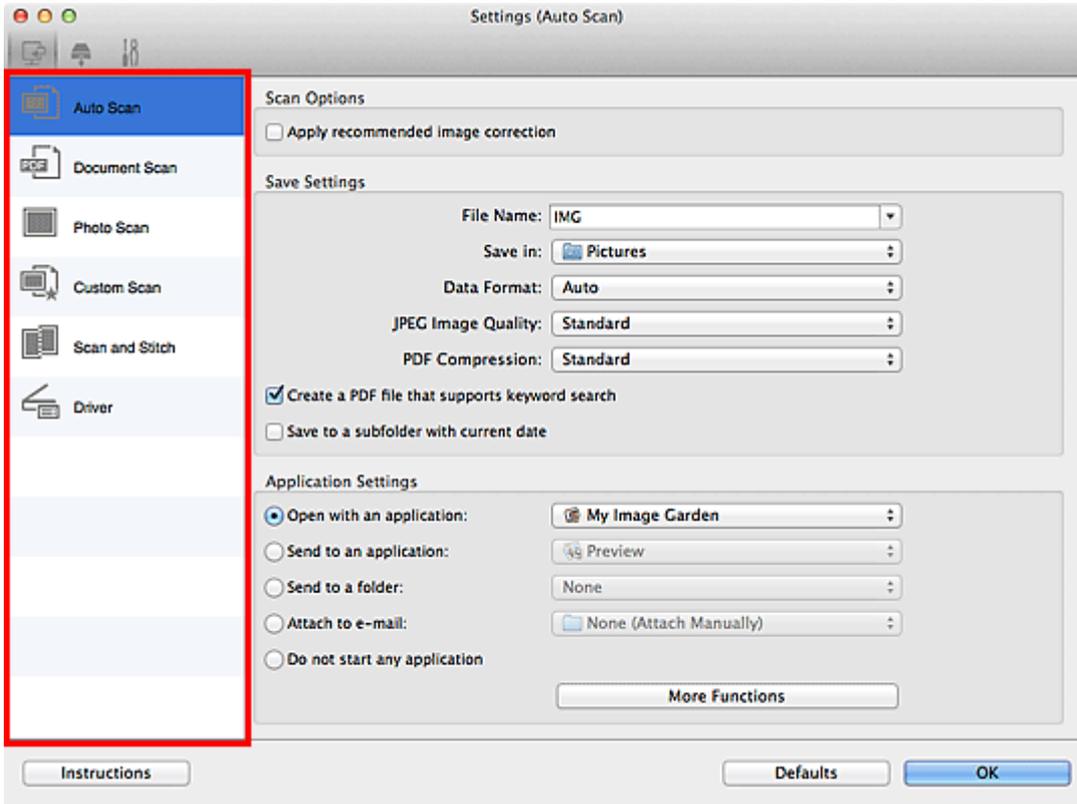
Opens this guide.

Settings...

Displays the [Settings dialog](#) in which you can specify the scan/save settings and the response after scanning.

Settings Dialog

There are three tabs in the Settings dialog:  (Scanning from a Computer),  (Scanning Using the Scanner Buttons), and  (General Settings). When you click a tab, the view in the red frame switches and you can make advanced settings to functions on each tab.



(Scanning from a Computer) Tab

You can specify how to respond when scanning from IJ Scan Utility or My Image Garden.

- [Settings \(Auto Scan\) Dialog](#)
- [Settings \(Document Scan\) Dialog](#)
- [Settings \(Photo Scan\) Dialog](#)
- [Settings \(Custom Scan\) Dialog](#)
- [Settings \(Scan and Stitch\) Dialog](#)
- [Settings \(Driver\) Dialog](#)

(Scanning Using the Scanner Buttons) Tab

You can specify how to respond when scanning using the scanner buttons.

- [Settings \(AUTO SCAN\) Dialog](#)
- [Settings \(PDF\) Dialog](#)
- [Settings \(COPY\) Dialog](#)
- [Settings \(SEND\) Dialog](#)

»» Important

- When the Settings dialog is displayed from My Image Garden, the  (Scanning Using the Scanner Buttons) tab does not appear.



(General Settings) Tab

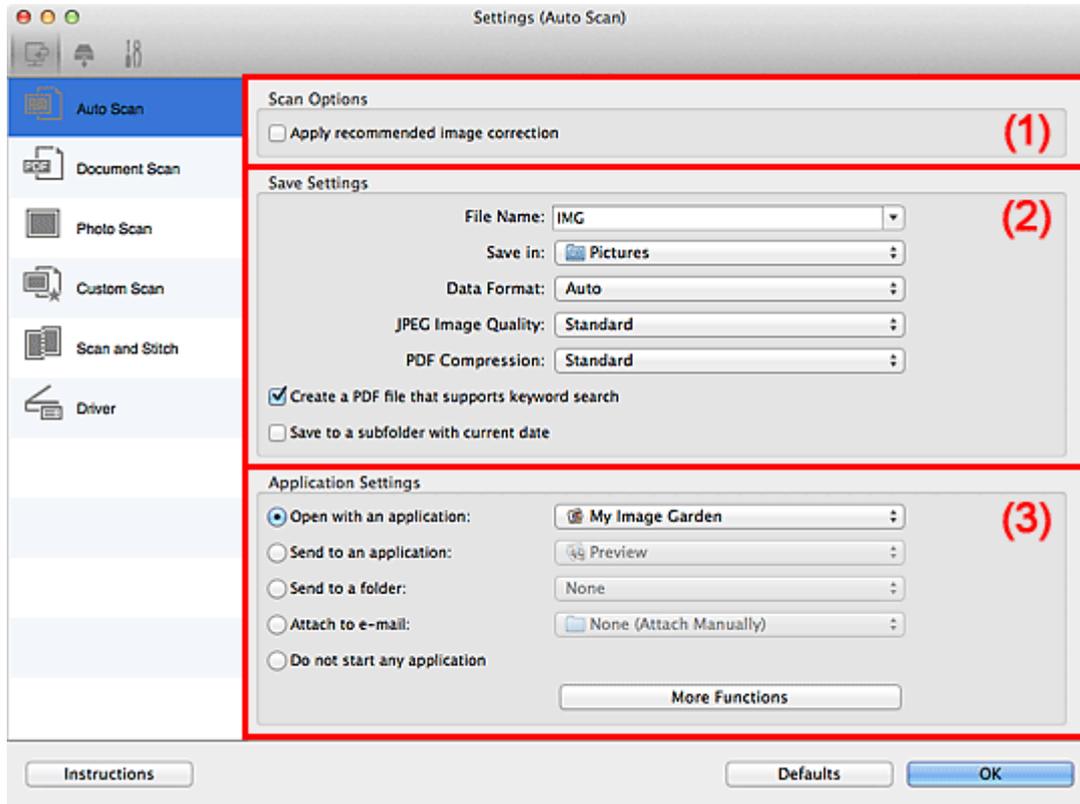
You can set the product to use, file size restriction on e-mail attachment, language to detect text in images, and folder in which to save images temporarily.

■ [Settings \(General Settings\) Dialog](#)

Settings (Auto Scan) Dialog

Click **Auto Scan** on the  (Scanning from a Computer) tab to display the **Settings (Auto Scan)** dialog.

In the **Settings (Auto Scan)** dialog, you can make advanced scan settings to scan by automatically detecting the item type.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

»»» Important

- When the Settings dialog is displayed from My Image Garden, the setting items for **Application Settings** do not appear.

Supported Items

Photos, postcards, business cards, magazines, newspapers, documents, and BD/DVD/CD.

»»» Important

- To scan the following types of items, specify the item type and size in the **Settings (Document Scan)** dialog, **Settings (Photo Scan)** dialog, or **Settings (Custom Scan)** dialog, then click **Photo**, **Document**, or **Custom** in the IJ Scan Utility main screen. You cannot scan correctly with **Auto**.
 - A4 size photos
 - Text documents smaller than 2L (5 inches x 7 inches) (127 mm x 178 mm), such as paperback pages with the spine cut off
 - Items printed on thin white paper
 - Long narrow items such as panoramic photos
- Reflective disc labels may not be scanned as expected.
- Place items to be scanned on the platen correctly. Otherwise, items may not be scanned correctly.

Refer to "[Placing Items \(When Scanning from a Computer\)](#)" for how to place items.

▶▶▶ Note

- To reduce moire in scans, set **Select Source** to **Magazine** in the **Settings (Document Scan)** dialog or **Settings (Custom Scan)** dialog, then click **Document** or **Custom** in the IJ Scan Utility main screen.

(1) Scan Options Area

Apply recommended image correction

Applies suitable corrections automatically based on the item type.

▶▶▶ Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

▶▶▶ Note

- Scanning takes longer than usual when you enable this function.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

▶▶▶ Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

▶▶▶ Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Auto is selected. The following data formats are automatically applied according to the item type when saving.

- Photos, postcards, BD/DVD/CD, and business cards: JPEG
- Magazines, newspapers, and documents: PDF

▶▶▶ Important

- The save format may differ depending on how you place the item.

■ [Placing Items \(When Scanning from a Computer\)](#)

JPEG Image Quality

You can specify the image quality of JPEG files.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

►► Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

►► Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

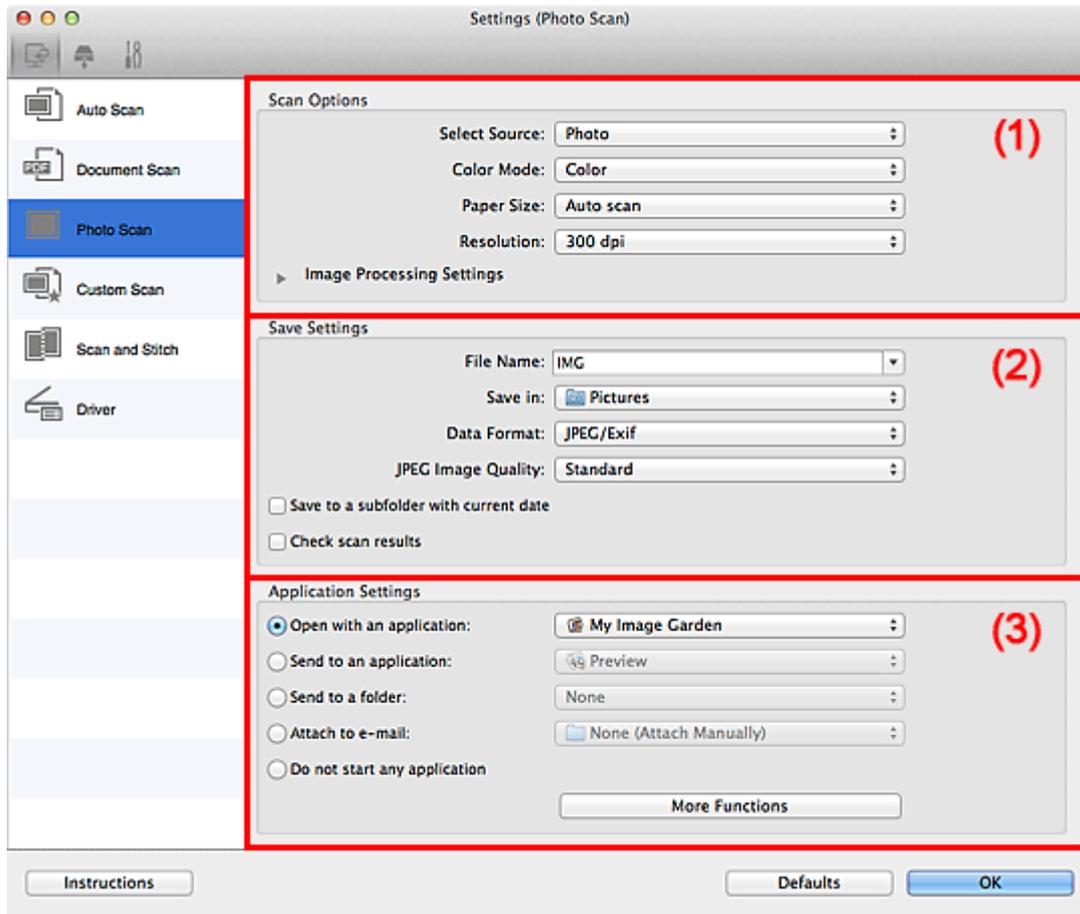
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Photo Scan) Dialog

Click **Photo Scan** on the  (Scanning from a Computer) tab to display the **Settings (Photo Scan)** dialog.

In the **Settings (Photo Scan)** dialog, you can make advanced scan settings to scan items as photos.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

»»» Important

- When the Settings dialog is displayed from My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Photo is selected.

Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.

»»» Note

- Click **Defaults** to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

■ Resolution

Image Processing Settings

Click  (Right Arrow) to set the following.

»»» Important

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

»»» Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

»»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, or **PNG**.

»»» Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

JPEG Image Quality

You can specify the image quality of JPEG files.

»» Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the [Save Settings dialog](#) after scanning.

»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

»» Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

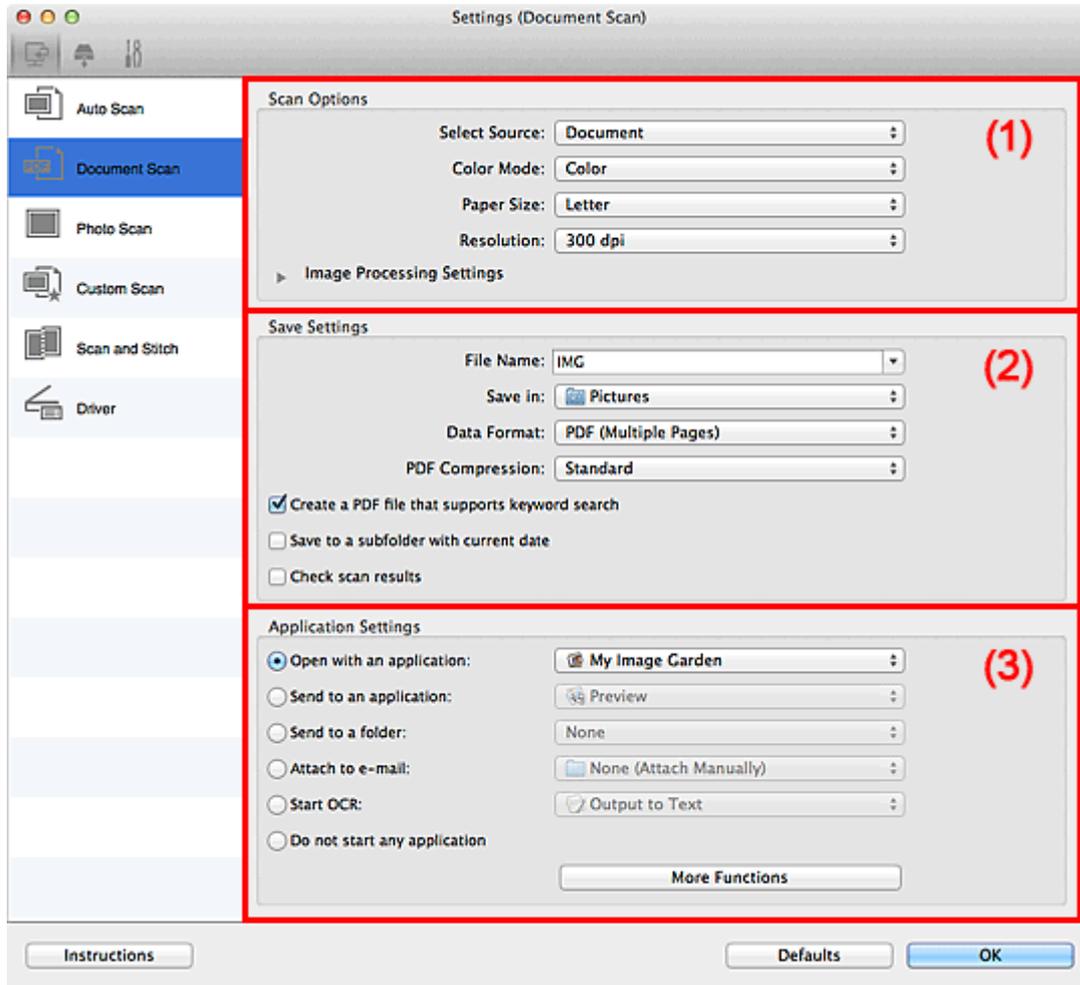
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Document Scan) Dialog

Click **Document Scan** on the  (Scanning from a Computer) tab to display the **Settings (Document Scan)** dialog.

In the **Settings (Document Scan)** dialog, you can make advanced scan settings to scan items as documents.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

►►► Important

- When the Settings dialog is displayed from the Scan screen of My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Select the type of item to be scanned.

- Scanning documents: **Document**
- Scanning magazines: **Magazine**

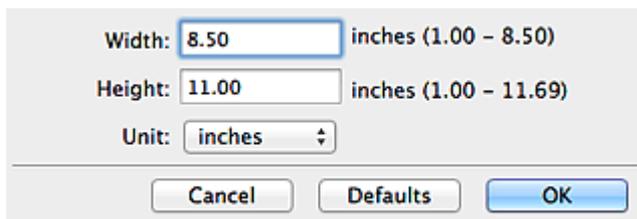
Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.



Width: inches (1.00 - 8.50)
Height: inches (1.00 - 11.69)
Unit:

»»» Note

- Click **Defaults** to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

■ [Resolution](#)

»»» Note

- Only **300 dpi** or **400 dpi** can be set when **Start OCR** is selected in **Application Settings**.

Image Processing Settings

Click  (Right Arrow) to set the following.

»»» Note

- When **Color Mode** is **Black and White**, only **Reduce gutter shadow**, **Correct slanted text document**, and **Detect the orientation of text document and rotate image** appear.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

»»» Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

»»» Note

- Scanning takes longer than usual when you enable this function.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

►► Note

- Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

►► Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
Refer to "[Gutter Correction](#)" for details.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

►► Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
 - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
 - Documents containing both vertical and horizontal text
 - Documents with extremely large or small fonts
 - Documents with small amount of text
 - Documents containing figures/images
 - Hand-written text
 - Documents containing both vertical and horizontal lines (tables)

►► Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

►► Important

- Only text documents written in languages that can be selected from **Document Language** in the [Settings \(General Settings\) dialog](#) are supported.
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
 - Resolution is outside the range of 300 dpi to 600 dpi
 - Font size is outside the range of 8 points to 48 points
 - Documents containing special fonts, effects, italics, or hand-written text
 - Documents with patterned backgrounds

In that case, select the **Check scan results** checkbox and rotate the image in the [Save Settings dialog](#).

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

▶▶▶ Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

▶▶▶ Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

▶▶▶ Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.
- When **Start OCR** is selected in **Application Settings**, you cannot select **PDF** or **PDF (Multiple Pages)**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

▶▶▶ Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

JPEG Image Quality

You can specify the image quality of JPEG files.

▶▶▶ Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

▶▶▶ Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the [Save Settings dialog](#) after scanning.

»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Start OCR

Select this when you want to convert text in the scanned image into text data.

You can specify the application from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

»» Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

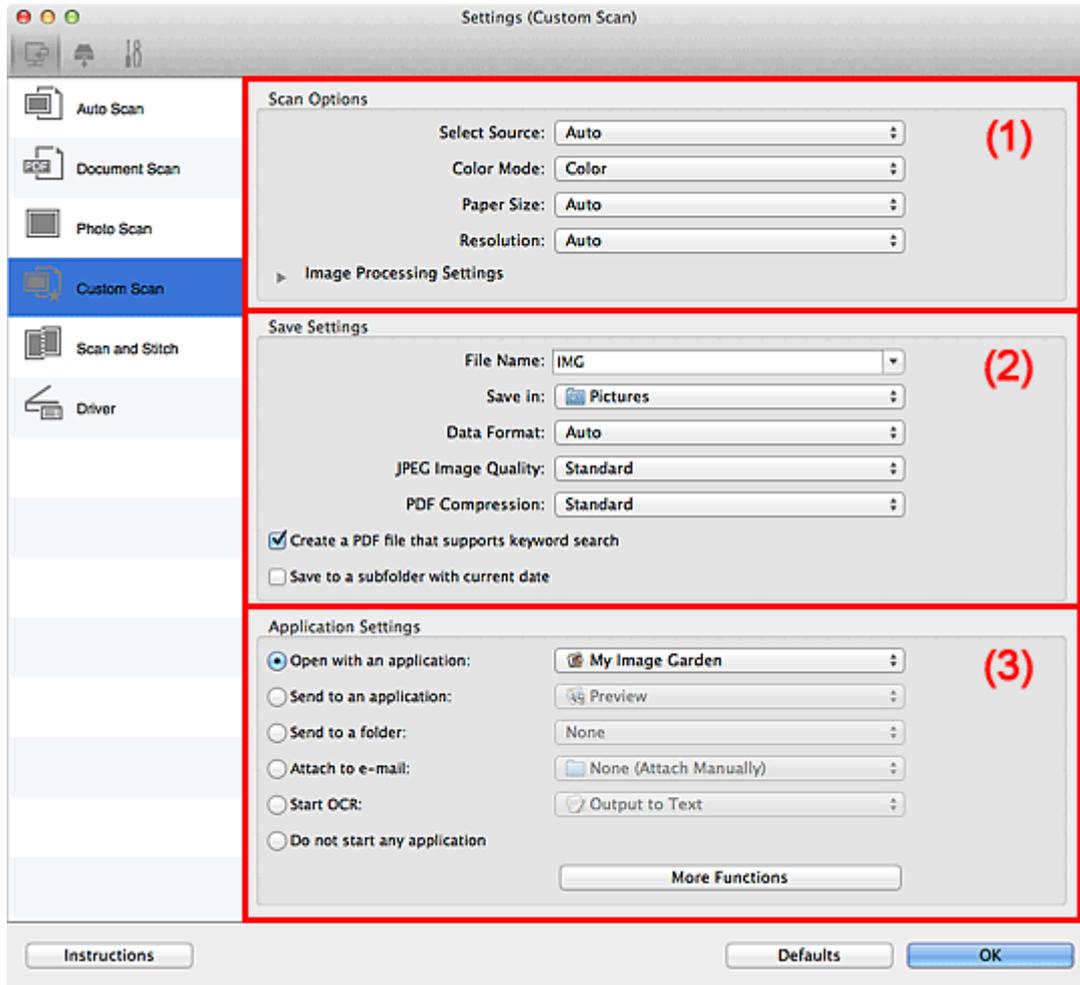
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Custom Scan) Dialog

Click **Custom Scan** on the  (Scanning from a Computer) tab to display the **Settings (Custom Scan)** dialog.

In the **Settings (Custom Scan)** dialog, you can make advanced scan settings to scan according to your preference.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

»»» Important

- When the Settings dialog is displayed from the Scan screen of My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Select the type of item to be scanned. Select **Auto** to detect the item type automatically and to set **Color Mode**, **Paper Size**, and **Resolution** automatically as well.

»»» Important

- Item types supported by **Auto** are photos, postcards, business cards, magazines, newspapers, documents, and BD/DVD/CD.

- To scan the following types of items, specify the item type or size. You cannot scan correctly with **Auto**.
 - A4 size photos
 - Text documents smaller than 2L (5 inches x 7 inches) (127 mm x 178 mm), such as paperback pages with the spine cut off
 - Items printed on thin white paper
 - Long narrow items such as panoramic photos
 - Reflective disc labels may not be scanned as expected.
 - Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.
- Refer to "[Placing Items \(When Scanning from a Computer\)](#)" for how to place items.

▶▶▶ Note

- To convert text in the image into text data after scanning, specify **Select Source** instead of selecting **Auto**.
- To reduce moire, set **Select Source** to **Magazine**.

Color Mode

Select the color mode in which to scan the item.

▶▶▶ Note

- Only **Color** is available when **Select Source** is **Auto**.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.

The screenshot shows a dialog box for setting paper size. It has three input fields: 'Width' with the value '8.50' and the unit 'inches (1.00 - 8.50)', 'Height' with the value '11.00' and the unit 'inches (1.00 - 11.69)', and 'Unit' with a dropdown menu set to 'inches'. At the bottom, there are three buttons: 'Cancel', 'Defaults', and 'OK'.

▶▶▶ Note

- Only **Auto** is available when **Select Source** is **Auto**.
- Click **Defaults** in the screen in which you can specify the paper size to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

■ Resolution

▶▶▶ Note

- Only **Auto** is available when **Select Source** is **Auto**.
- Only **300 dpi** or **400 dpi** can be set when **Start OCR** is selected in **Application Settings**.

Image Processing Settings

Click  (Right Arrow) to set the following. Available setting items vary by **Select Source**.

- **When Select Source is Auto:**

Apply recommended image correction

Applies suitable corrections automatically based on the item type.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

- **When Select Source is Photo:**

Important

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

- **When Select Source is Magazine or Document:**

Note

- When **Color Mode** is **Black and White**, only **Reduce gutter shadow**, **Correct slanted text document**, and **Detect the orientation of text document and rotate image** appear.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

Note

- Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

►►► Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
Refer to "[Gutter Correction](#)" for details.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

►►► Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
 - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
 - Documents containing both vertical and horizontal text
 - Documents with extremely large or small fonts
 - Documents with small amount of text
 - Documents containing figures/images
 - Hand-written text
 - Documents containing both vertical and horizontal lines (tables)

►►► Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

►►► Important

- Only text documents written in languages that can be selected from **Document Language** in the [Settings \(General Settings\) dialog](#) are supported.
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
 - Resolution is outside the range of 300 dpi to 600 dpi
 - Font size is outside the range of 8 points to 48 points
 - Documents containing special fonts, effects, italics, or hand-written text
 - Documents with patterned backgrounds

In that case, select the **Check scan results** checkbox and rotate the image in the [Save Settings dialog](#).

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

»»» Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

»»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, **PDF (Multiple Pages)**, or **Auto**.

»»» Important

- When **Auto** is selected, the save format may differ depending on how you place the item.
 - [Placing Items \(When Scanning from a Computer\)](#)
- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.
- When **Start OCR** is selected in **Application Settings**, you cannot select **PDF**, **PDF (Multiple Pages)**, or **Auto**.

»»» Note

- **Auto** appears only when **Auto** is selected for **Select Source**.

JPEG Image Quality

You can specify the image quality of JPEG files.

»»» Important

- This appears only when **JPEG/Exif** or **Auto** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

»»» Important

- This appears only when **PDF**, **PDF (Multiple Pages)**, or **Auto** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

»»» Important

- This appears only when **PDF**, **PDF (Multiple Pages)**, or **Auto** is selected in **Data Format**.

»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the [Save Settings dialog](#) after scanning.

»» Important

- This does not appear when **Select Source** is **Auto**.
- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Start OCR

Select this when you want to convert text in the scanned image into text data.

You can specify the application from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

»» Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

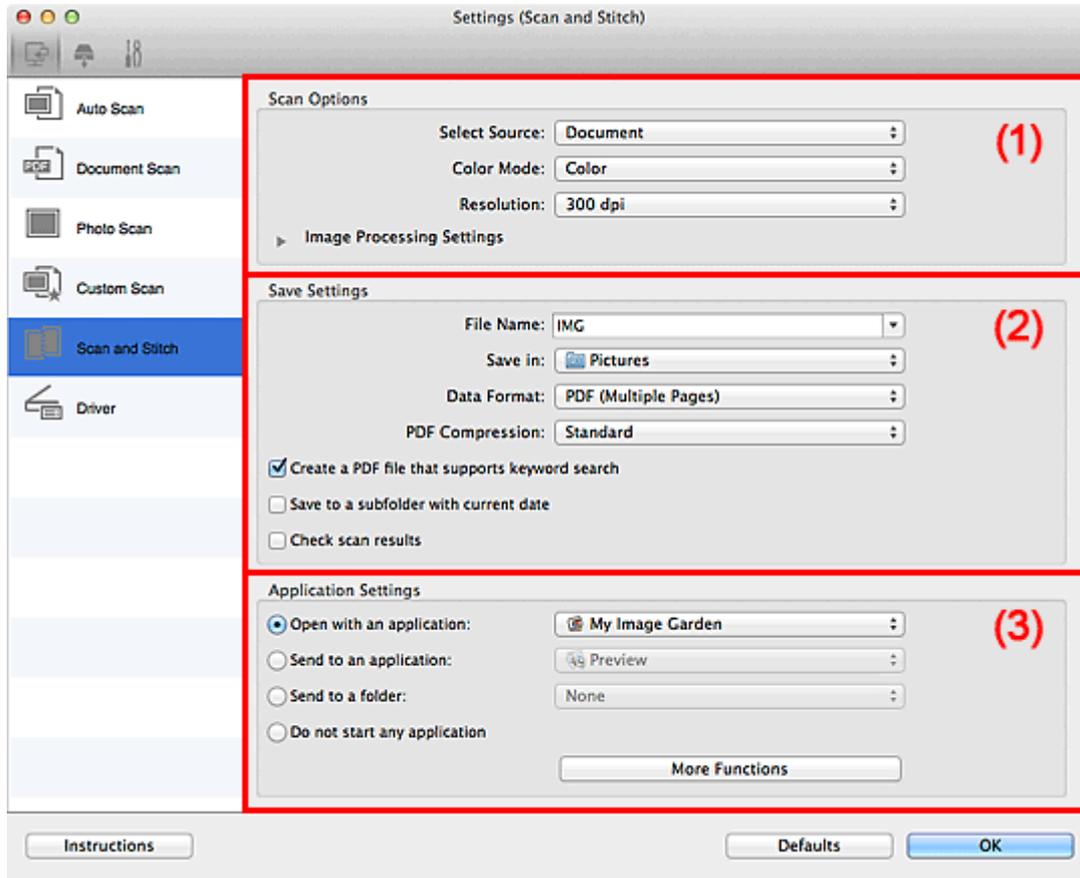
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Scan and Stitch) Dialog

Click **Scan and Stitch** on the  (Scanning from a Computer) tab to display the **Settings (Scan and Stitch)** dialog.

In the **Settings (Scan and Stitch)** dialog, you can make advanced scan settings for scanning items larger than the platen.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

»»» Important

- When the Settings dialog is displayed from the Scan screen of My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Select the type of item to be scanned.

- Scanning photos: **Photo**
- Scanning documents: **Document**
- Scanning magazines: **Magazine**

»»» Note

- To reduce moire, set **Select Source** to **Magazine**.

Color Mode

Select the color mode in which to scan the item.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

■ Resolution

Image Processing Settings

Click  (Right Arrow) to set the following. Available setting items vary by **Select Source**.

▶▶▶ Important

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

- **When Select Source is Photo:**

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

- **When Select Source is Magazine or Document:**

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

▶▶▶ Note

- Scanning takes longer than usual when you enable **Reduce moire**.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

▶▶▶ Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

▶▶▶ Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

»»» Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

»»» Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

»»» Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

»»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

JPEG Image Quality

You can specify the image quality of JPEG files.

»»» Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the [Save Settings dialog](#) after scanning.

»»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

▶▶ Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

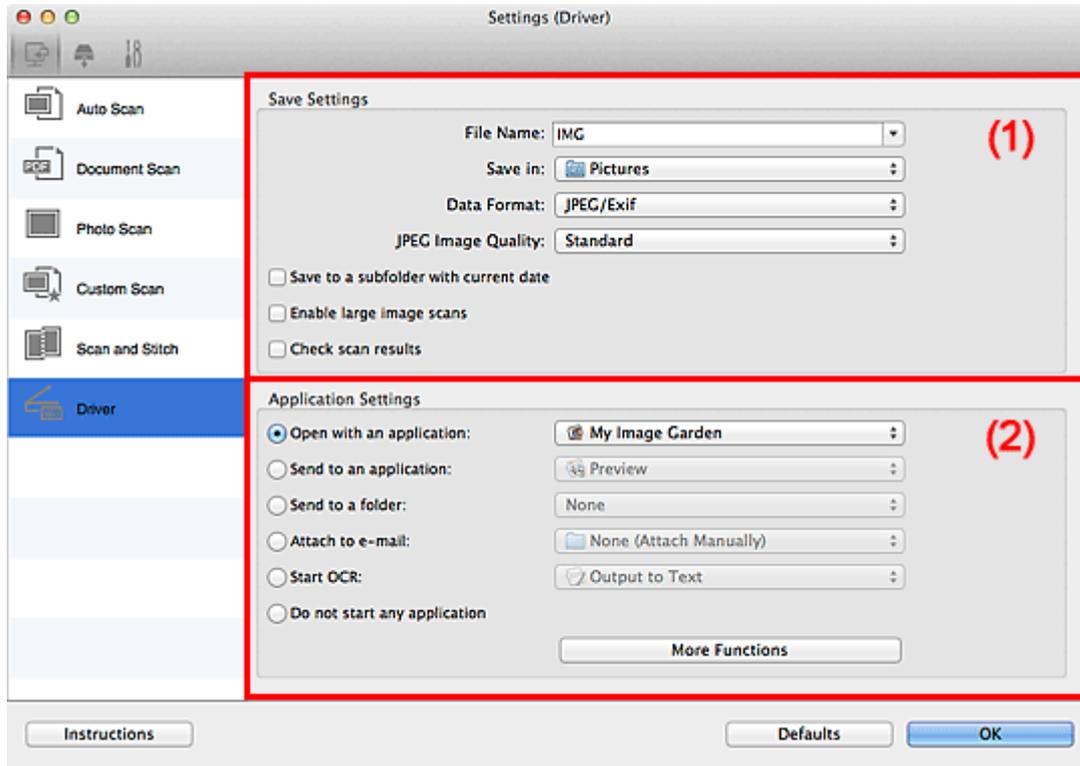
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Driver) Dialog

Click **Driver** on the  (Scanning from a Computer) tab to display the **Settings (Driver)** dialog.

In the **Settings (Driver)** dialog, you can specify how to save images when scanning items by starting the scanner driver from IJ Scan Utility and how to respond after saving them.



■ (1) [Save Settings Area](#)

■ (2) [Application Settings Area](#)

▶▶▶ Important

- When the Settings dialog is displayed from My Image Garden, the setting items for **Application Settings** do not appear.

(1) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

▶▶▶ Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

▶▶▶ Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

»»» Note

- When **PDF** or **PDF (Multiple Pages)** is selected, images up to 9600 pixels x 9600 pixels can be scanned.
- When the **Enable large image scans** checkbox is selected in **Save Settings**, or when **Start OCR** is selected in **Application Settings**, you can select **JPEG/Exif**, **TIFF**, or **PNG**.

JPEG Image Quality

You can specify the image quality of JPEG files.

»»» Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

»»» Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

»»» Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

»»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Enable large image scans

Select this checkbox to scan images up to 50000 pixels x 50000 pixels and 4.0 GB.

»»» Important

- When this checkbox is selected, you cannot select **Send to an application**, **Send to a folder**, **Attach to e-mail**, or **Start OCR**.
- When the Settings dialog is displayed from My Image Garden, this option does not appear.

»»» Note

- When this checkbox is not selected, images up to 10208 pixels x 14032 pixels can be scanned.

Check scan results

Displays the [Save Settings dialog](#) after scanning.

»»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(2) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Start OCR

Select this when you want to convert text in the scanned image into text data.

You can specify the application from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

»»» Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

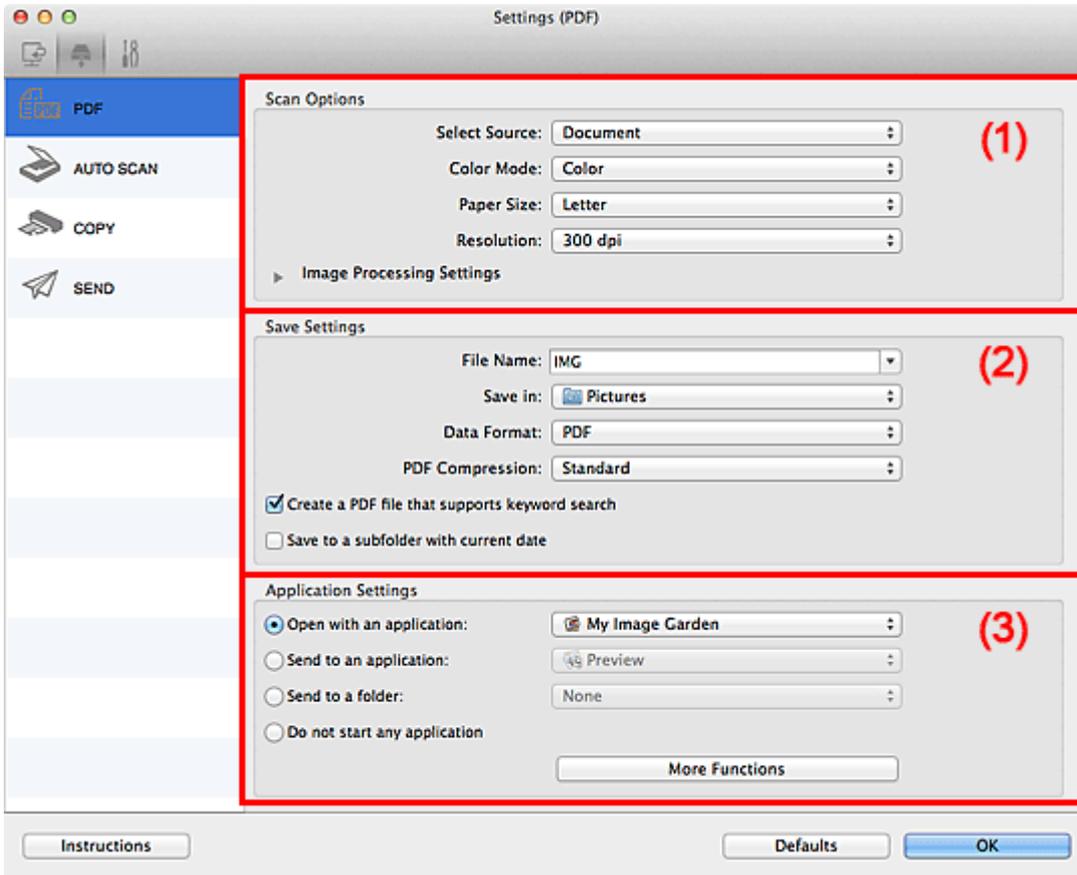
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (PDF) Dialog

Click **PDF** on the  (Scanning Using the Scanner Buttons) tab to display the **Settings (PDF)** dialog.

In the **Settings (PDF)** dialog, you can specify how to respond when saving images to a computer as PDF files after scanning them using the scanner button.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

(1) Scan Options Area

Select Source

Document is selected.

Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.

Width: inches (1.00 – 8.50)
Height: inches (1.00 – 11.69)
Unit:

►►► Note

- Click **Defaults** to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

■ [Resolution](#)

Image Processing Settings

Click  (Right Arrow) to set the following.

►►► Note

- When **Color Mode** is **Black and White**, only **Reduce gutter shadow**, **Correct slanted text document**, and **Detect the orientation of text document and rotate image** appear.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

►►► Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

►►► Note

- Scanning takes longer than usual when you enable this function.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

►►► Note

- Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

►►► Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
Refer to "[Gutter Correction](#)" for details.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

»»» Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
 - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
 - Documents containing both vertical and horizontal text
 - Documents with extremely large or small fonts
 - Documents with small amount of text
 - Documents containing figures/images
 - Hand-written text
 - Documents containing both vertical and horizontal lines (tables)

»»» Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

»»» Important

- Only text documents written in languages that can be selected from **Document Language** in the **Settings (General Settings)** dialog are supported.

■ [Settings \(General Settings\) Dialog](#)

- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
 - Resolution is outside the range of 300 dpi to 600 dpi
 - Font size is outside the range of 8 points to 48 points
 - Documents containing special fonts, effects, italics, or hand-written text
 - Documents with patterned backgrounds

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

»»» Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

»»» Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

PDF is selected.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

►► Important

- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

►► Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

►► Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

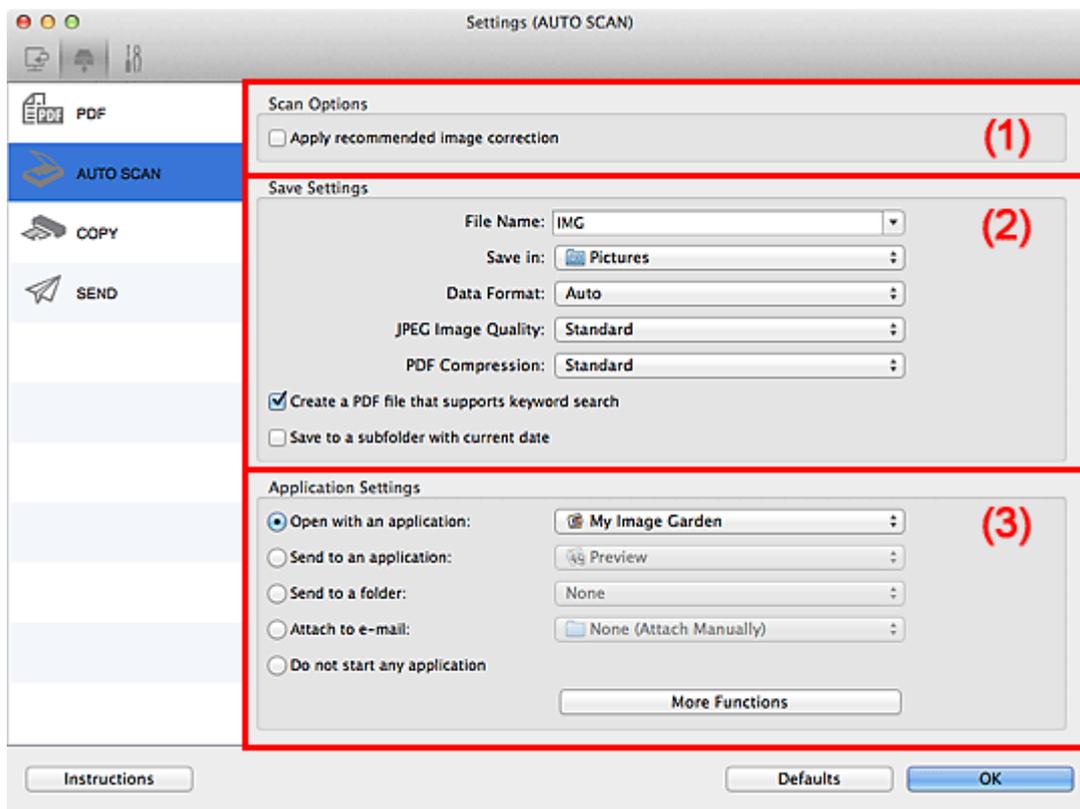
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (AUTO SCAN) Dialog

Click **AUTO SCAN** on the  (Scanning Using the Scanner Buttons) tab to display the **Settings (AUTO SCAN)** dialog.

In the **Settings (AUTO SCAN)** dialog, you can specify how to respond when saving images to a computer after scanning them using the scanner button by automatically detecting the item.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

Supported Items

Photos, postcards, business cards, magazines, newspapers, documents, and BD/DVD/CD.

»»» Important

- To scan the following types of items, specify the item type and size in the **Settings (Document Scan)** dialog or **Settings (Photo Scan)** dialog, then click **Document** or **Photo** in the IJ Scan Utility main screen. You cannot scan correctly with **Auto**.
 - A4 size photos
 - Text documents smaller than 2L (5 inches x 7 inches) (127 mm x 178 mm), such as paperback pages with the spine cut off
 - Items printed on thin white paper
 - Long narrow items such as panoramic photos
- Reflective disc labels may not be scanned as expected.
- Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.

Refer to "[Placing Items \(When Scanning from a Computer\)](#)" for how to place items.

»» Note

- To reduce moire, set **Select Source** to **Magazine** in the **Settings (Document Scan)** dialog, then click **Document** in the IJ Scan Utility main screen.

(1) Scan Options Area

Apply recommended image correction

Applies suitable corrections automatically based on the item type.

»» Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

»» Note

- Scanning takes longer than usual when you enable this function.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

»» Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Auto is selected. The following data formats are automatically applied according to the item type when saving.

- Photos, postcards, BD/DVD/CD, and business cards: JPEG
- Magazines, newspapers, and documents: PDF

»» Important

- The save format may differ depending on how you place the item.
Refer to "[Placing Items \(When Scanning from a Computer\)](#)" for how to place items.

JPEG Image Quality

You can specify the image quality of JPEG files.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

»» Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

Defaults

You can restore the settings in the displayed screen to the default settings.

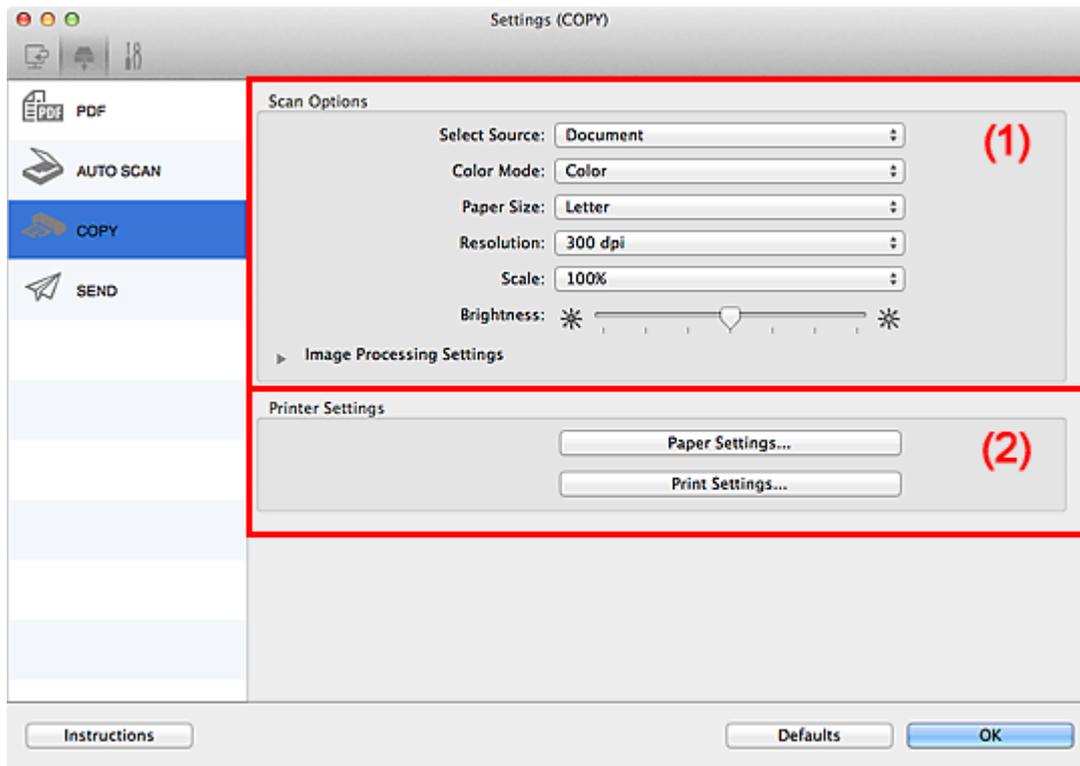
Settings (COPY) Dialog

Click **COPY** on the  (Scanning Using the Scanner Buttons) tab to display the **Settings (COPY)** dialog.

In the **Settings (COPY)** dialog, you can specify how to respond when printing images on a printer after scanning them using the scanner button.

▶▶▶ Note

- Selectable paper sizes and types vary by printer.
- When multiple items are placed on the platen and **Auto** is selected for **Select Source**, each item is scanned individually and printed on a separate sheet of paper. To print multiple items on one sheet of paper, select an option other than **Auto** and select a standard size (A4, Letter, etc.) for **Paper Size**.



■ [\(1\) Scan Options Area](#)

■ [\(2\) Printer Settings Area](#)

(1) Scan Options Area

Select Source

Select the type of item to be scanned. Select **Auto** to detect the item type automatically and to set **Color Mode**, **Paper Size**, and **Resolution** automatically as well.

▶▶▶ Important

- Item types supported by **Auto** are photos, postcards, business cards, magazines, newspapers, documents, and BD/DVD/CD.
- To scan the following types of items, specify the item type or size. You cannot scan correctly with **Auto**.
 - A4 size photos
 - Text documents smaller than 2L (5 inches x 7 inches) (127 mm x 178 mm), such as paperback pages with the spine cut off

- Items printed on thin white paper
 - Long narrow items such as panoramic photos
 - Reflective disc labels may not be scanned as expected.
 - Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.
- Refer to "[Placing Items \(When Scanning from a Computer\)](#)" for how to place items.

»»» Note

- To reduce moire, set **Select Source** to **Magazine**.

Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.

The screenshot shows a dialog box for setting paper size. It has three input fields: 'Width' with the value '8.50' and a range of 'inches (1.00 - 8.50)', 'Height' with the value '11.00' and a range of 'inches (1.00 - 11.69)', and 'Unit' with a dropdown menu set to 'inches'. At the bottom, there are three buttons: 'Cancel', 'Defaults', and 'OK'.

»»» Note

- Only **Auto** is available when **Select Source** is **Auto**.
- Click **Defaults** in the screen in which you can specify the paper size to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

- [Resolution](#)

»»» Note

- Only **Auto** is available when **Select Source** is **Auto**.

Scale

Select a scale according to the paper to print on and purpose of use.

Select **Fit to Paper** to resize the scanned image automatically to fit the paper to print on. Since the image's aspect ratio is maintained, margins may appear at the top and bottom or on the left and right depending on the size of the item and paper.

Select **Custom** to enter a value in **Scale Setting**. Enter a percentage (25 % to 400 %) and click **OK**.

»»» Note

- Scanned images are printed on paper of the size specified on your printer.
- Refer to the manual of your printer for details.

Brightness

Adjust the image brightness.

Move the slider to the left to darken and right to brighten the image.

▶▶▶ Important

- This function is available only when **Magazine** or **Document** is selected for **Select Source**.
- This function is not available when **Auto scan** is selected for **Paper Size**.

Image Processing Settings

Click  (Right Arrow) to set the following. Available setting items vary by **Select Source**.

- **When Select Source is Photo:**

▶▶▶ Note

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

- **When Select Source is Magazine or Document:**

▶▶▶ Note

- When **Color Mode** is **Black and White**, only **Reduce gutter shadow** appears.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

▶▶▶ Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

▶▶▶ Note

- Scanning takes longer than usual when you enable this function.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

▶▶▶ Note

- Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

»» Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
Refer to "[Gutter Correction](#)" for details.

• When Select Source is Auto:

Apply recommended image correction

Applies suitable corrections automatically based on the item type.

»» Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

»» Note

- Scanning takes longer than usual when you enable this function.

(2) Printer Settings Area

Paper Settings...

You can specify the printer to use, paper size, etc.

»» Note

- Selectable paper sizes depend on the selected printer.

Print Settings...

You can specify the printer to use, printing method, number of copies to print, etc.

Instructions

Opens this guide.

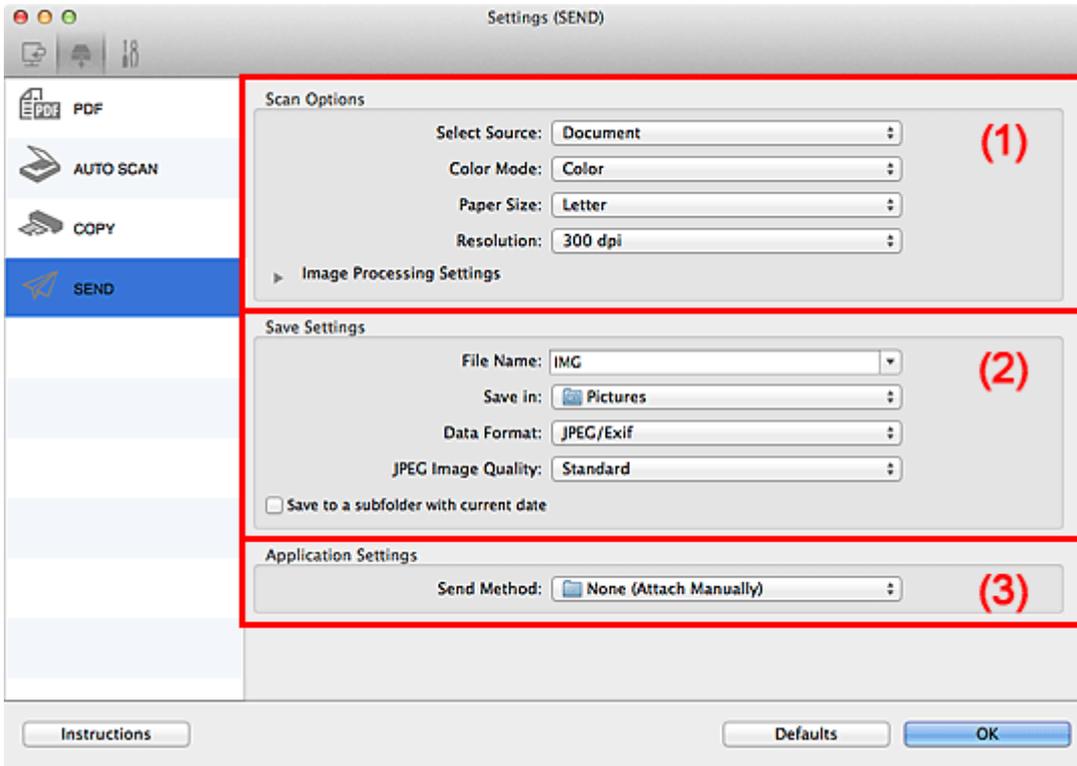
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (SEND) Dialog

Click **SEND** on the  (Scanning Using the Scanner Buttons) tab to display the **Settings (SEND)** dialog.

In the **Settings (SEND)** dialog, you can specify how to respond when attaching images to an e-mail, sending them to an application, or saving them to a folder after scanning them using the scanner button.



- [\(1\) Scan Options Area](#)
- [\(2\) Save Settings Area](#)
- [\(3\) Application Settings Area](#)

(1) Scan Options Area

Select Source

Select the type of item to be scanned.

►►► Note

- To reduce moire, set **Select Source** to **Magazine**.

Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.

Width: inches (1.00 – 8.50)
 Height: inches (1.00 – 11.69)
 Unit:

»»» **Note**

- Click **Defaults** in the screen in which you can specify the paper size to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

■ [Resolution](#)

Image Processing Settings

Click  (Right Arrow) to set the following. Available setting items vary by **Select Source**.

- **When Select Source is Photo:**

»»» **Note**

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

- **When Select Source is Magazine or Document:**

»»» **Note**

- When **Color Mode** is **Black and White**, only **Reduce gutter shadow**, **Correct slanted text document**, and **Detect the orientation of text document and rotate image** appear.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

»»» **Important**

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

»»» **Note**

- Scanning takes longer than usual when you enable this function.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

►►► Note

- Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

►►► Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
Refer to "[Gutter Correction](#)" for details.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

►►► Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
 - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
 - Documents containing both vertical and horizontal text
 - Documents with extremely large or small fonts
 - Documents with small amount of text
 - Documents containing figures/images
 - Hand-written text
 - Documents containing both vertical and horizontal lines (tables)

►►► Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

►►► Important

- Only text documents written in languages that can be selected from **Document Language** in the **Settings (General Settings)** dialog are supported.
 - [Settings \(General Settings\) Dialog](#)
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
 - Resolution is outside the range of 300 dpi to 600 dpi
 - Font size is outside the range of 8 points to 48 points
 - Documents containing special fonts, effects, italics, or hand-written text
 - Documents with patterned backgrounds

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

▶▶▶ Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

▶▶▶ Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, or **PDF**.

▶▶▶ Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

JPEG Image Quality

You can specify the image quality of JPEG files.

▶▶▶ Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

▶▶▶ Important

- This appears only when **PDF** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

▶▶▶ Important

- This appears only when **PDF** is selected in **Data Format**.

»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Send Method

Specify the e-mail client to use for attaching scanned images, application to which to send them, or folder in which to save them.

»» Note

- Specify the e-mail client, application, or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

Defaults

You can restore the settings in the displayed screen to the default settings.

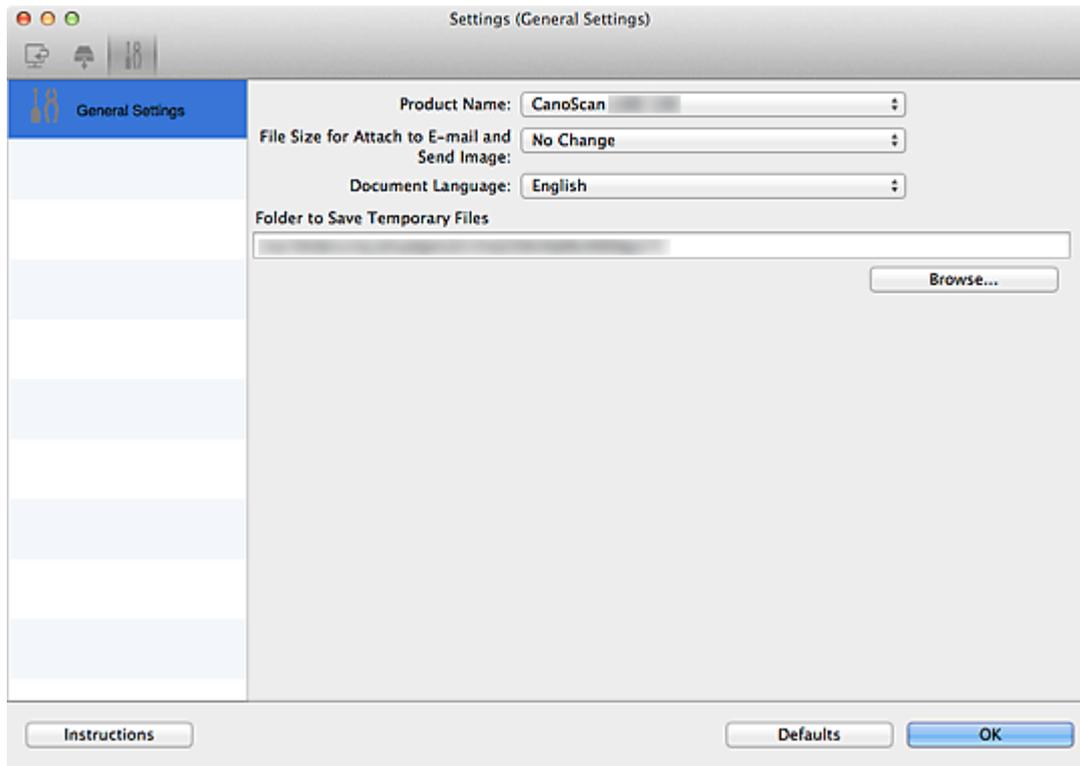
Settings (General Settings) Dialog

Click the  (General Settings) tab to display the **Settings (General Settings)** dialog.

In the **Settings (General Settings)** dialog, you can set the product to use, file size restriction on images to be attached to an e-mail or to be sent, language to detect text in images, and folder in which to save images temporarily.

»» Important

- When the Settings dialog is displayed from My Image Garden, some options may not appear.



Product Name

Displays the name of the product that IJ Scan Utility is currently set to use.

If the displayed product is not the one you want to use, select the desired product from the list.

File Size for Attach to E-mail and Send Image

You can restrict the size of scanned images to be attached to an e-mail or to be sent.

You can select **Small (Suitable for 640 x 480 Windows)**, **Medium (Suitable for 800 x 600 Windows)**, **Large (Suitable for 1024 x 768 Windows)**, or **No Change**.

Document Language

Select the language for detecting text in images.

Folder to Save Temporary Files

Displays the folder in which to save images temporarily. Click **Browse...** to specify the destination folder.

Instructions

Opens this guide.

Defaults

You can restore the settings in the displayed screen to the default settings.

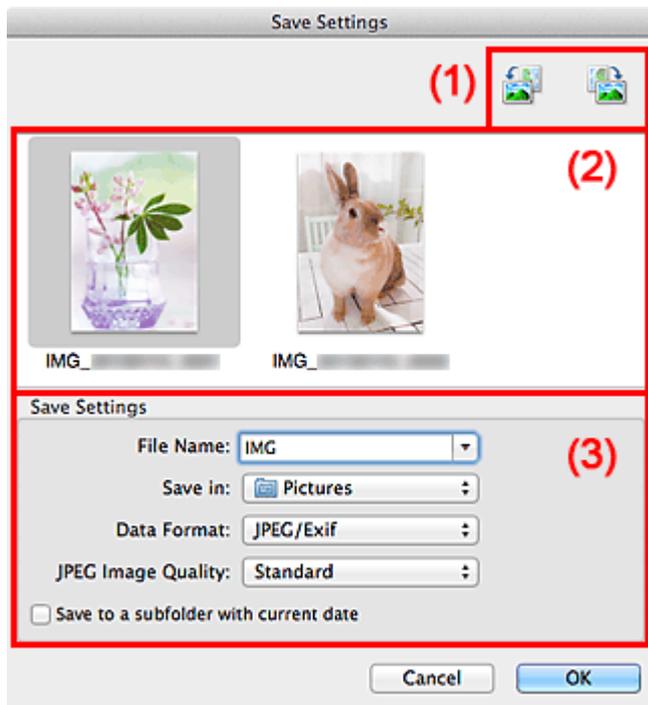
Save Settings Dialog

Select the **Check scan results** checkbox in **Save Settings** of the Settings dialog to display the **Save Settings** dialog after scanning.

You can specify the data format and destination while viewing the thumbnails of scan results.

▶▶▶ Important

- After scanning from My Image Garden or scanning using the scanner buttons, the **Save Settings** dialog does not appear.



- (1) [Preview Operation Buttons](#)
- (2) [Scan Results Area](#)
- (3) [Save Settings Area](#)

(1) Preview Operation Buttons

 /  (Rotate Left 90°)/(Rotate Right 90°)

Rotates scanned images 90 degrees counter-clockwise or clockwise.

Select the image you want to rotate, then click  (Rotate Left 90°) or  (Rotate Right 90°).

▶▶▶ Important

- The preview operation buttons do not appear when the **Enable large image scans** checkbox is selected in the **Settings (Driver)** dialog.

(2) Scan Results Area

Displays the thumbnails of the scanned images. You can change the save order of images via drag-and-drop. The file names for saving appear below the thumbnails.

(3) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

▶▶▶ Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

▶▶▶ Important

- You cannot select **PDF** or **PDF (Multiple Pages)** in the following cases.
 - When scanned by clicking **Photo** in the IJ Scan Utility main screen
 - The **Enable large image scans** checkbox is selected in **Save Settings** of the **Settings (Driver)** dialog
 - **Start OCR** is selected in **Application Settings** of the **Settings (Document Scan)**, **Settings (Custom Scan)**, or **Settings (Driver)** dialog
- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

JPEG Image Quality

You can specify the image quality of JPEG files.

▶▶▶ Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

▶▶▶ Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

▶▶▶ Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

»» Note

- PDF files that are searchable in the language selected in **Document Language** on the  (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

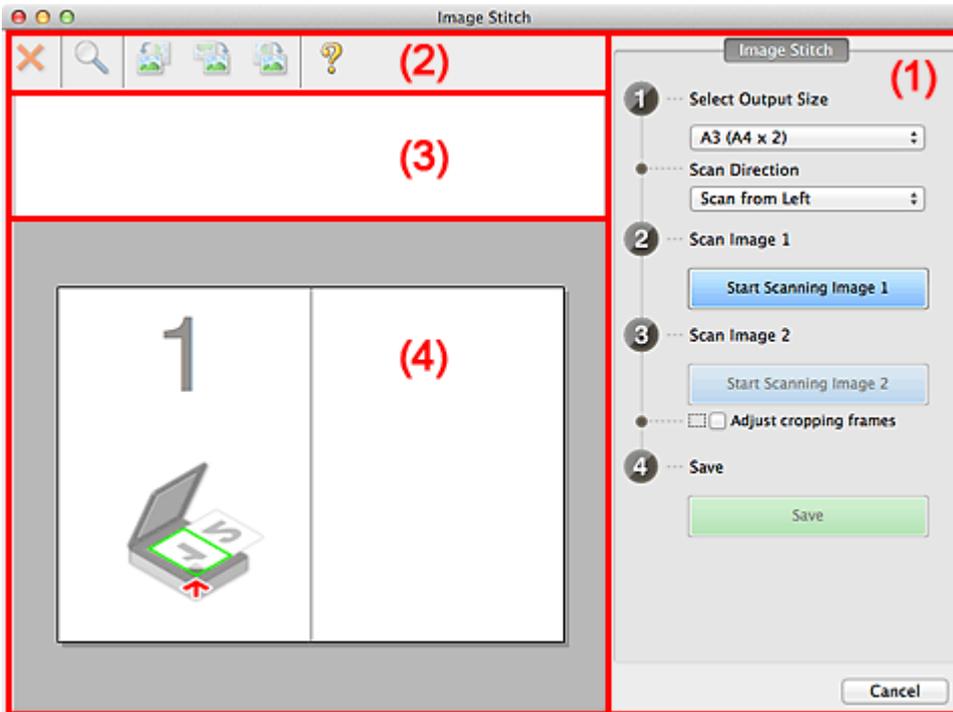
Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Image Stitch Window

Click **Stitch** in the IJ Scan Utility main screen to display the **Image Stitch** window.

You can scan the left and right halves of an item larger than the platen and combine them back into one image. You can scan items up to approximately twice as large as the platen.



- [\(1\) Settings and Operation Buttons](#)
- [\(2\) Toolbar](#)
- [\(3\) Thumbnail View Area](#)
- [\(4\) Preview Area](#)

▶▶▶ Note

- The displayed items vary depending on the select source and view.

(1) Settings and Operation Buttons

Select Output Size

B4 (B5 x 2)

Scans the left and right halves of a B4 size item separately.

A3 (A4 x 2)

Scans the left and right halves of an A3 size item separately.

11 x 17 (Letter x 2)

Scans the left and right halves of an item twice as large as Letter size separately.

Full Platen x 2

Scans the left and right halves of an item twice as large as the platen separately.

Scan Direction

Scan from Left

Displays the first scanned image on the left side.

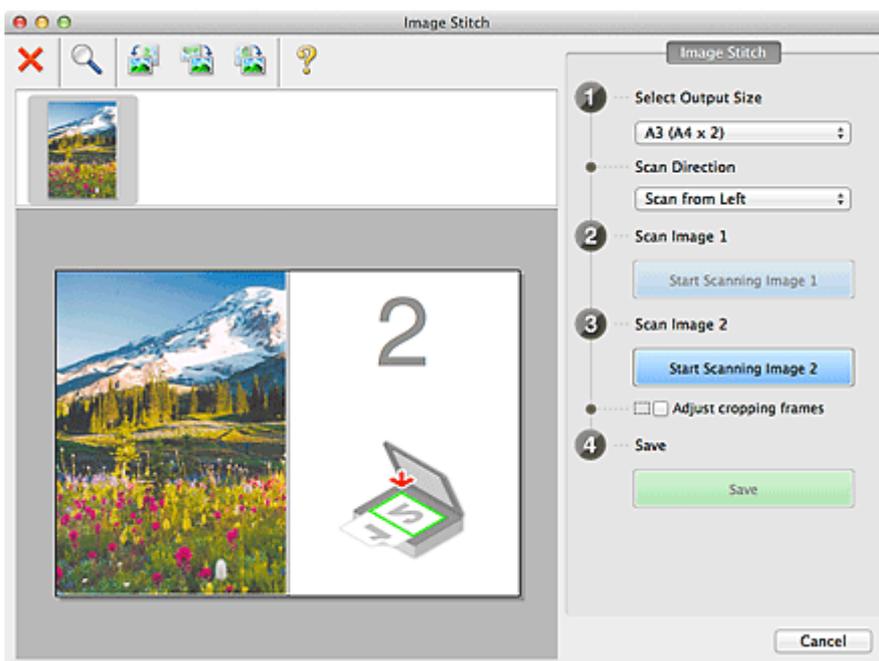
Scan from Right

Displays the first scanned image on the right side.

Scan Image 1

Start Scanning Image 1

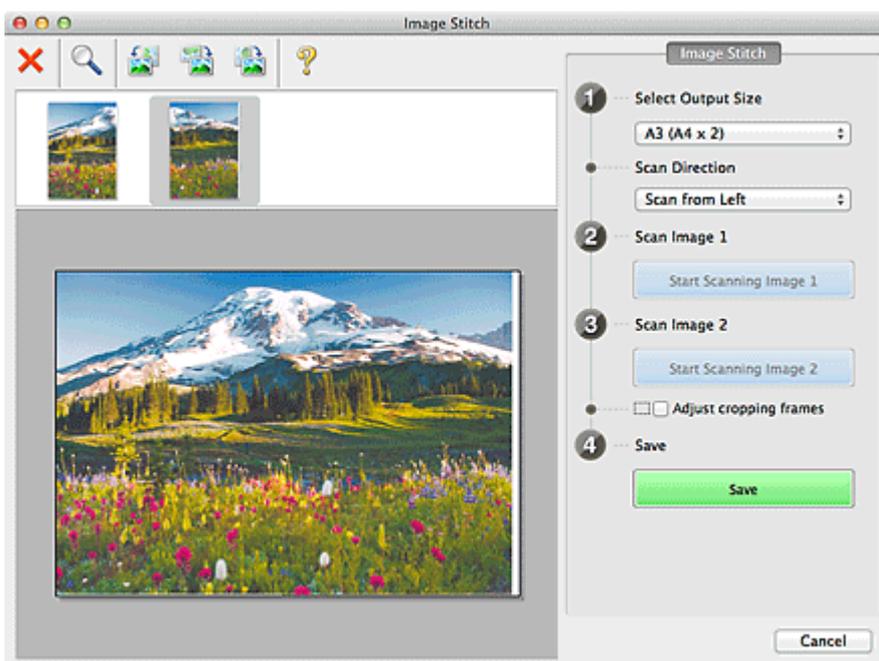
Scans the first item.



Scan Image 2

Start Scanning Image 2

Scans the second item.



Adjust cropping frames

You can adjust the scan area in preview.

If no area is specified, the image of the size selected in **Select Output Size** will be saved. If an area is specified, only the image in the cropping frame will be scanned and saved.

■ [Adjusting Cropping Frames in the Image Stitch Window](#)

Save

Save

Saves the two scanned images as one image.

Cancel

Cancels **Stitch** scan.

(2) Toolbar

You can delete the scanned images or adjust the previewed images.



(Delete)

Deletes the scanned image.



(Enlarge/Reduce)

Allows you to enlarge or reduce the preview image.

Left-clicking the Preview area enlarges the displayed image.

Control-clicking the Preview area reduces the displayed image.



(Rotate Left)

Rotates the preview image 90 degrees counter-clockwise.



(Invert Vertically)

Rotates the preview image 180 degrees.



(Rotate Right)

Rotates the preview image 90 degrees clockwise.



(Open Guide)

Opens this page.

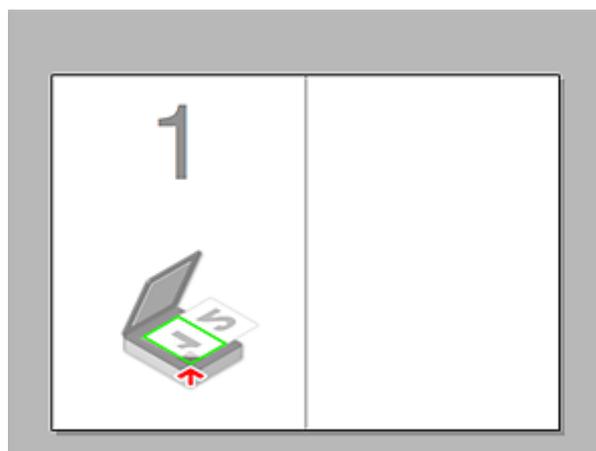
(3) Thumbnail View Area

Displays the thumbnails of the scanned images. Appears blank if none has been scanned.

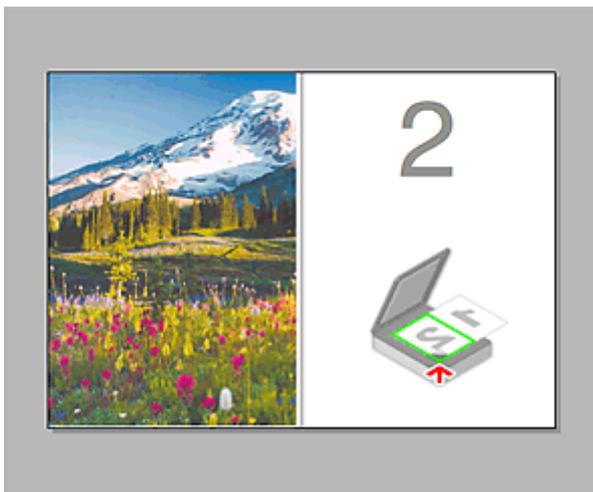
(4) Preview Area

Displays the scanned images. You can adjust the layout by dragging the scanned image or check the results of the settings made in "[\(1\) Settings and Operation Buttons.](#)"

When no image has been scanned:

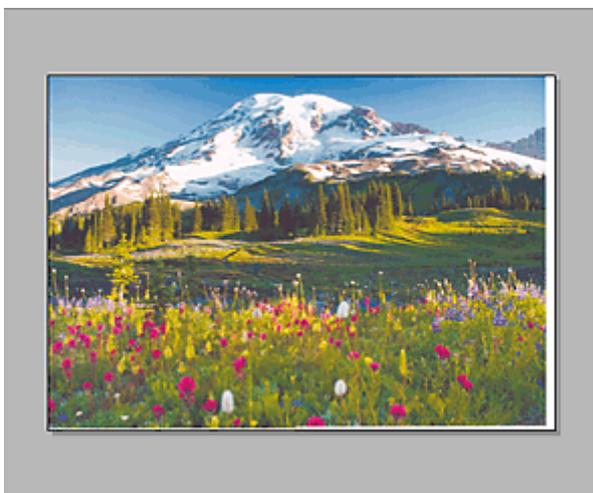


After scanning the first item by clicking Start Scanning Image 1:



The image is scanned in the direction specified in **Scan Direction**, and **2** appears next to it.

After scanning the second item by clicking Start Scanning Image 2:



The two scanned images appear.

Related Topic

- [Scanning Items Larger than the Platen \(Image Stitch\)](#)

Scanning with ScanGear

- ▶ **What Is ScanGear?**
- ▶ **Scanning with Advanced Settings Using ScanGear**
- ▶ **Starting ScanGear**
- ▶ **Scanning in Basic Mode**
- ▶ **Scanning in Advanced Mode**
- ▶ **Scanning Multiple Documents at One Time with ScanGear**
- ▶ **Correcting Images and Adjusting Colors with ScanGear**
- ▶ **ScanGear Screens**
- ▶ **Placing Items (When Scanning from a Computer)**
- ▶ **Adjusting Cropping Frames (ScanGear)**
- ▶ **General Notes (ScanGear)**

What Is ScanGear?

ScanGear is software that allows you to preview scan results or set document type and output size, etc. when scanning documents. It is useful when you want to scan in a specific color tone, as it allows you to make various corrections and adjust brightness, contrast, etc.

Screens

There are two modes: Basic Mode and Advanced Mode.

Switch modes by clicking a tab on the upper right of the screen.

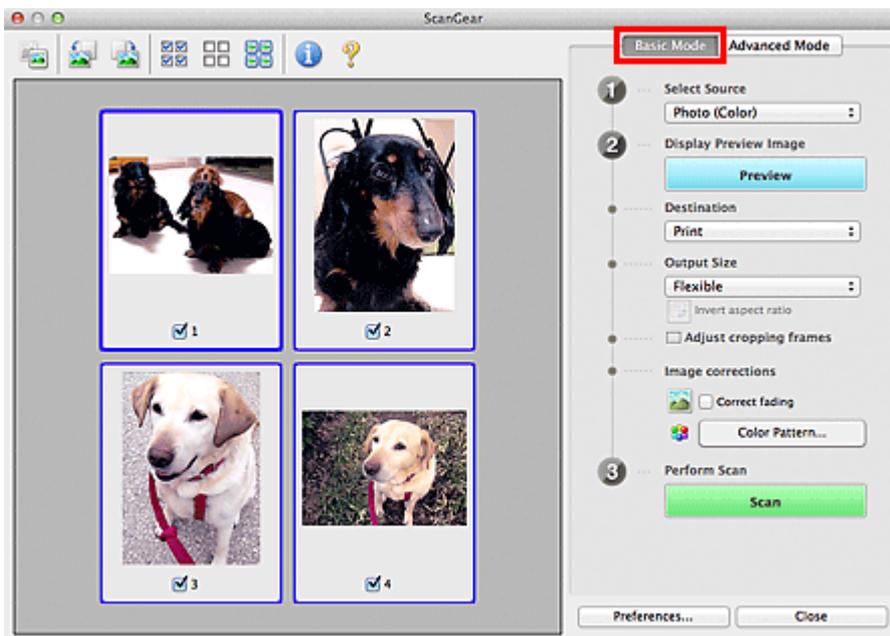


►► Note

- ScanGear starts in the last used mode.
- Settings are not retained when you switch modes.

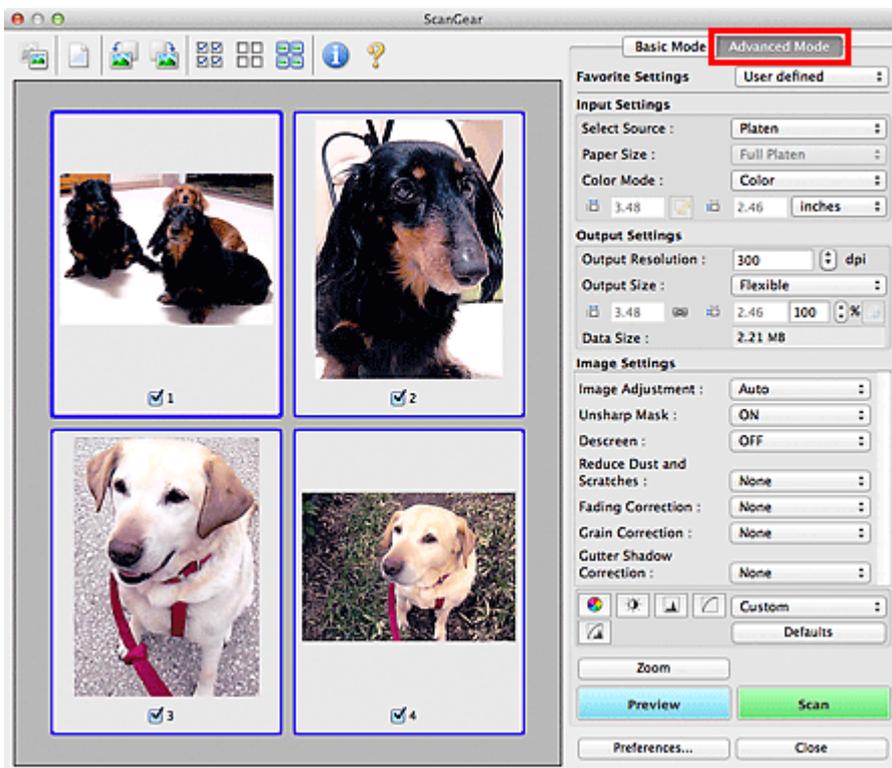
Basic Mode

Use the **Basic Mode** tab to scan easily by following three simple on-screen steps (**1** , **2** , and **3**).



Advanced Mode

Use the **Advanced Mode** tab to specify the color mode, output resolution, image brightness, color tone, etc. when scanning.

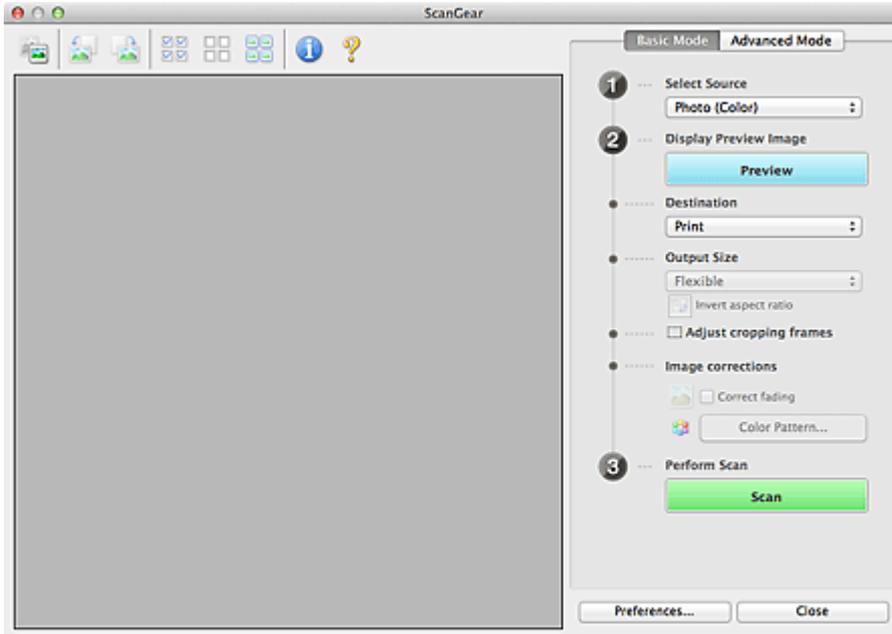


Scanning with Advanced Settings Using ScanGear

- **Starting ScanGear**
- **Scanning in Basic Mode**
- **Scanning in Advanced Mode**
- **Scanning Multiple Documents at One Time with ScanGear**

Starting ScanGear

From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **IJ ScanGear Starter EX** folder, and then **Canon IJ ScanGear Starter EX** icon to start ScanGear.



▶▶▶ Note

- When the **Scanner Selection** screen appears, select the scanner to use, then click **Select**.

Scanning in Basic Mode

Use the **Basic Mode** tab to scan easily by following the on-screen steps.

Refer to "[Scanning Multiple Documents at One Time with ScanGear](#)" to scan multiple documents at one time.

▶▶▶ Important

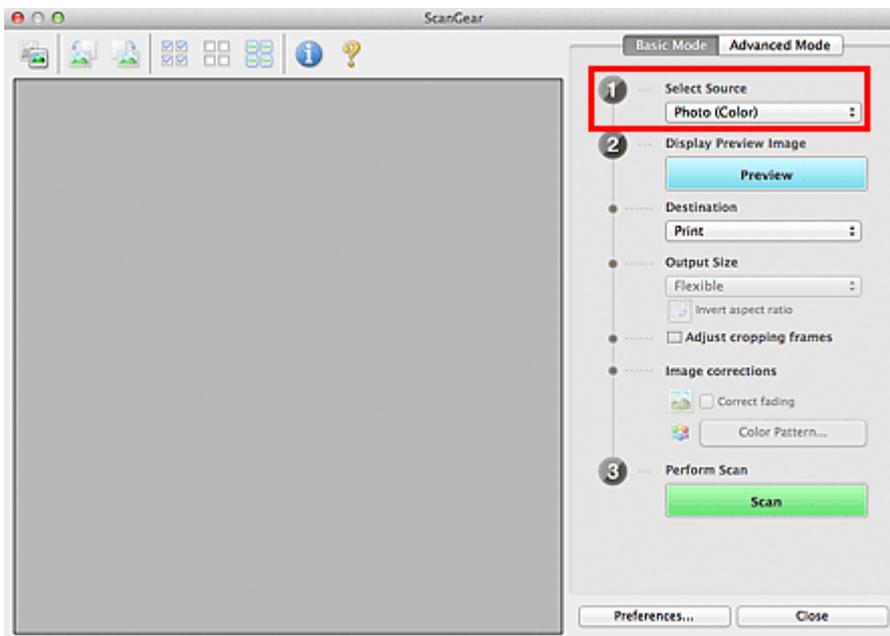
- The following types of documents may not be scanned correctly. In that case, click  (Thumbnail) on the Toolbar to switch to whole image view and scan.
 - Photos that have a whitish background
 - Documents printed on white paper, hand-written text, business cards, etc.
 - Thin documents
 - Thick documents
- The following types of documents may not be scanned correctly.
 - Documents smaller than 1.2 inches (3 cm) square
 - Photos that have been cut to various shapes

1. Place the document on the Platen, then start ScanGear.

■ [Placing Items \(When Scanning from a Computer\)](#)

■ [Starting ScanGear](#)

2. Set **Select Source** according to the document placed on the Platen .

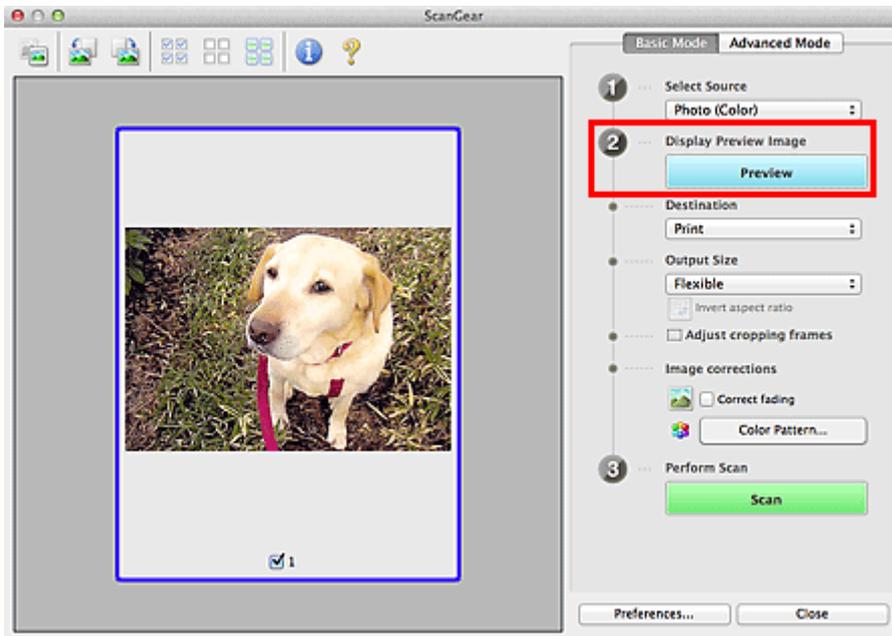


▶▶▶ Note

- To scan magazines containing many color photos, select **Magazine (Color)**.

3. Click **Preview**.

Preview image appears in the Preview area.



»»» Note

- Colors are adjusted based on the document type selected in **Select Source**.

4. Set **Destination**.

5. Set **Output Size** according to purpose.

Output size options vary by the item selected in **Destination**.

6. Adjust the cropping frames (scan areas) as required.

Adjust the size and position of the cropping frames on the preview image.

■ [Adjusting Cropping Frames \(ScanGear\)](#)

7. Set **Image corrections** as required.

8. Click **Scan**.

Scanning starts.

»»» Note

- Click  (Information) to open a dialog in which you can check the current scan settings (document type, etc.).
- Scanned images are saved in the folder set for **Save in** on the [Save Settings tab](#) of the **Preferences** dialog. On the **Save Settings** tab, you can also make advanced save settings.
- A response of ScanGear after scanning can be specified in **Status of ScanGear dialog after scanning** on the [Scan tab](#) of the **Preferences** dialog.

Related Topic

■ [Basic Mode Tab](#)

Scanning in Advanced Mode

Use the **Advanced Mode** tab to specify the color mode, output resolution, image brightness, color tone, etc. when scanning.

Refer to "[Scanning Multiple Documents at One Time with ScanGear](#)" to scan multiple documents at one time.

»» Important

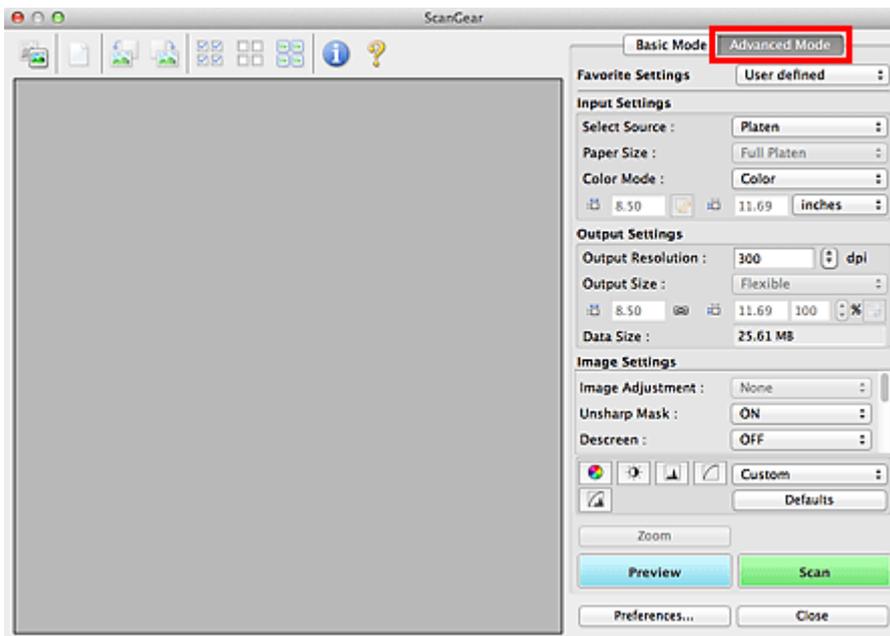
- The following types of documents may not be scanned correctly. In that case, click  (Thumbnail) on the Toolbar to switch to whole image view and scan.
 - Photos that have a whitish background
 - Documents printed on white paper, hand-written text, business cards, etc.
 - Thin documents
 - Thick documents
- The following types of documents may not be scanned correctly.
 - Documents smaller than 1.2 inches (3 cm) square
 - Photos that have been cut to various shapes

1. Place the document on the Platen, then start ScanGear.

- [Placing Items \(When Scanning from a Computer\)](#)
- [Starting ScanGear](#)

2. Click the **Advanced Mode** tab.

The tab switches to **Advanced Mode**.



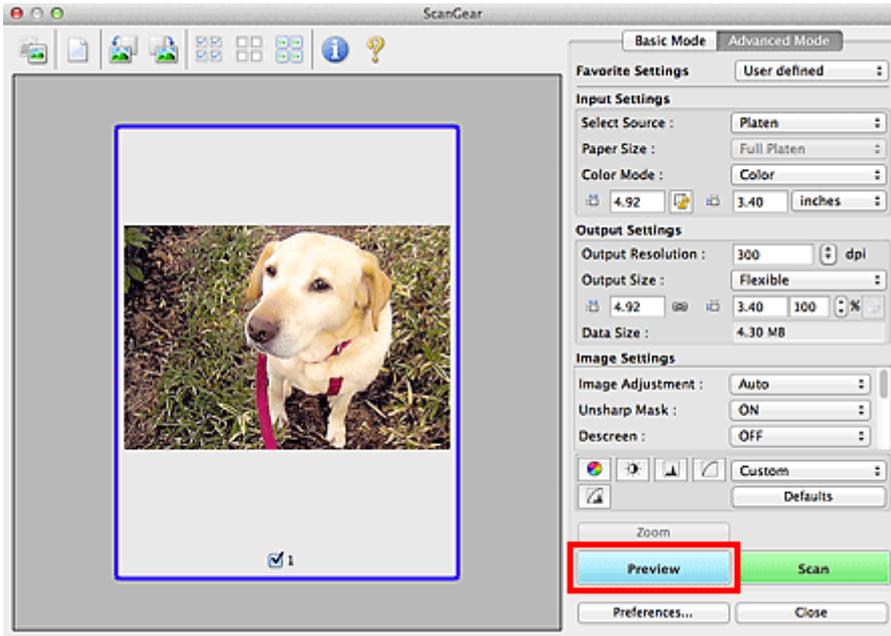
»» Note

- Settings are not retained when you switch modes.

3. Set [Input Settings](#) according to the document or purpose.

4. Click **Preview**.

Preview images appear in the Preview area.



5. Set **Output Settings**.

6. Adjust the cropping frame (scan area), correct image, and adjust colors as required.

- [Adjusting Cropping Frames \(ScanGear\)](#)
- [Image Settings](#)
- [Color Adjustment Buttons](#)

7. Click **Scan**.

Scanning starts.

▶▶▶ **Note**

- Click  (Information) to open a dialog in which you can check the current scan settings (document type, etc.).
- Scanned images are saved in the folder set for **Save in** on the [Save Settings tab](#) of the **Preferences** dialog. On the **Save Settings** tab, you can also make advanced save settings.
- A response of ScanGear after scanning can be specified in **Status of ScanGear dialog after scanning** on the [Scan tab](#) of the **Preferences** dialog.

Related Topic

- [Advanced Mode Tab](#)

Scanning Multiple Documents at One Time with ScanGear

You can scan two or more photos (small documents) on the Platen at one time on the **Basic Mode** tab and **Advanced Mode** tab.

This section explains how to scan multiple documents from the **Basic Mode** tab.

▶▶▶ Important

- To scan multiple documents as a single image, scan in whole image view.
- The following types of documents may not be cropped correctly. In that case, adjust the cropping frames (scan areas) in whole image view and scan.
 - Photos that have a whitish background
 - Documents printed on white paper, hand-written text, business cards, etc.
 - Thin documents
 - Thick documents
- [Scanning Multiple Documents in Whole Image View](#)
- The following types of documents may not be scanned correctly.
 - Documents smaller than 1.2 inches (3 cm) square
 - Photos that have been cut to various shapes

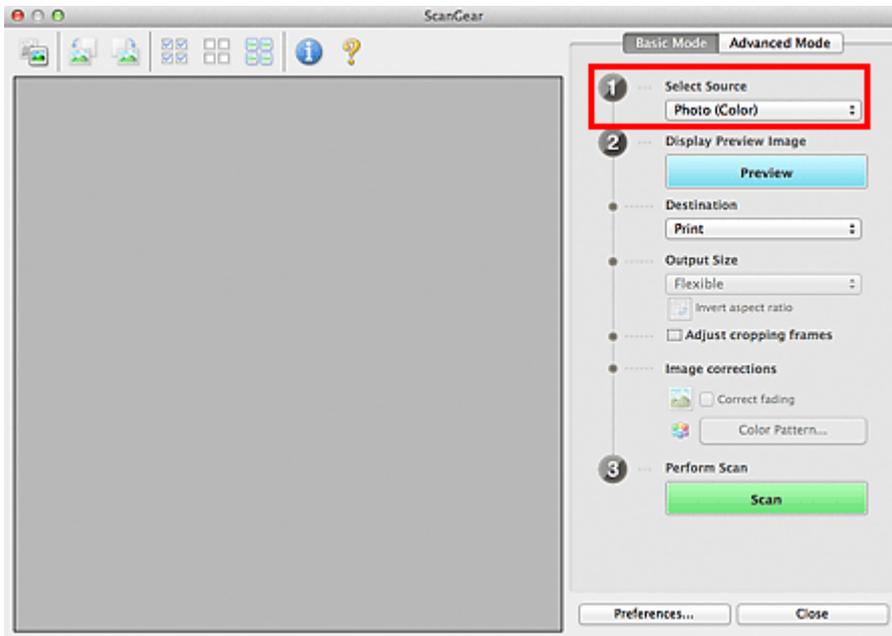
▶▶▶ Note

- You can also scan multiple documents at one time from the **Advanced Mode** tab. Use the **Advanced Mode** tab to make advanced scan settings such as the color mode, output resolution, image brightness, and color tone.
- Refer to the corresponding sections below for details on the **Basic Mode** tab and **Advanced Mode** tab.
 - [Basic Mode Tab](#)
 - [Advanced Mode Tab](#)

1. Place the document on the Platen, then start ScanGear.

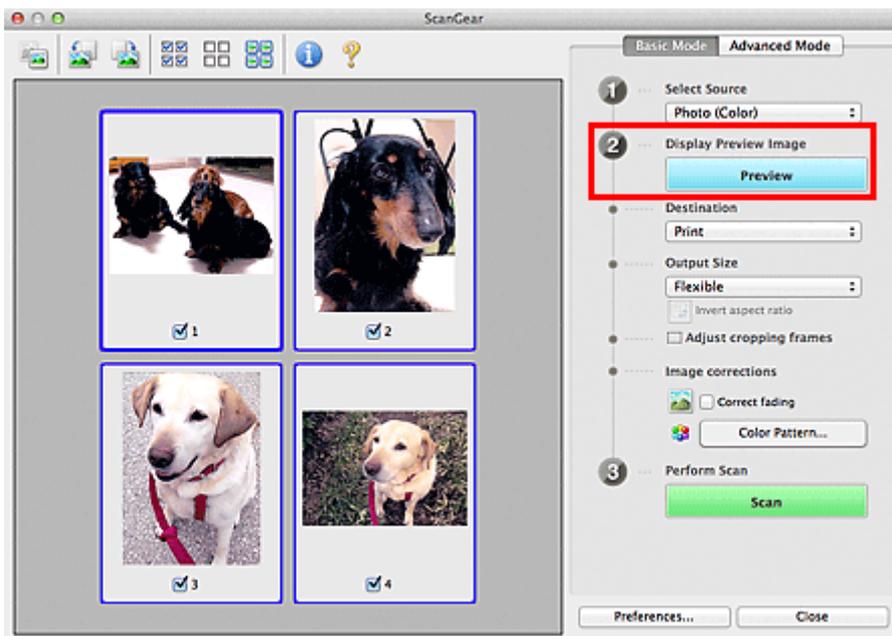
- [Placing Items \(When Scanning from a Computer\)](#)
- [Starting ScanGear](#)

2. Set **Select Source** according to the document placed on the Platen.



3. Click **Preview**.

Thumbnails of the preview images appear in the Preview area. Cropping frames are specified automatically according to the document size.



4. Set **Destination**.

5. Set **Output Size** according to purpose.

6. Adjust the cropping frames and set **Image corrections** as required.

►►► **Note**

- You can correct each image separately. Select the frame you want to correct.
- In thumbnail view, you can only create one cropping frame per image. To create multiple cropping frames in an image, scan in whole image view.

7. Select the images you want to scan.

Select the checkboxes of the images you want to scan.

8. Click **Scan**.

Scanning Multiple Documents in Whole Image View

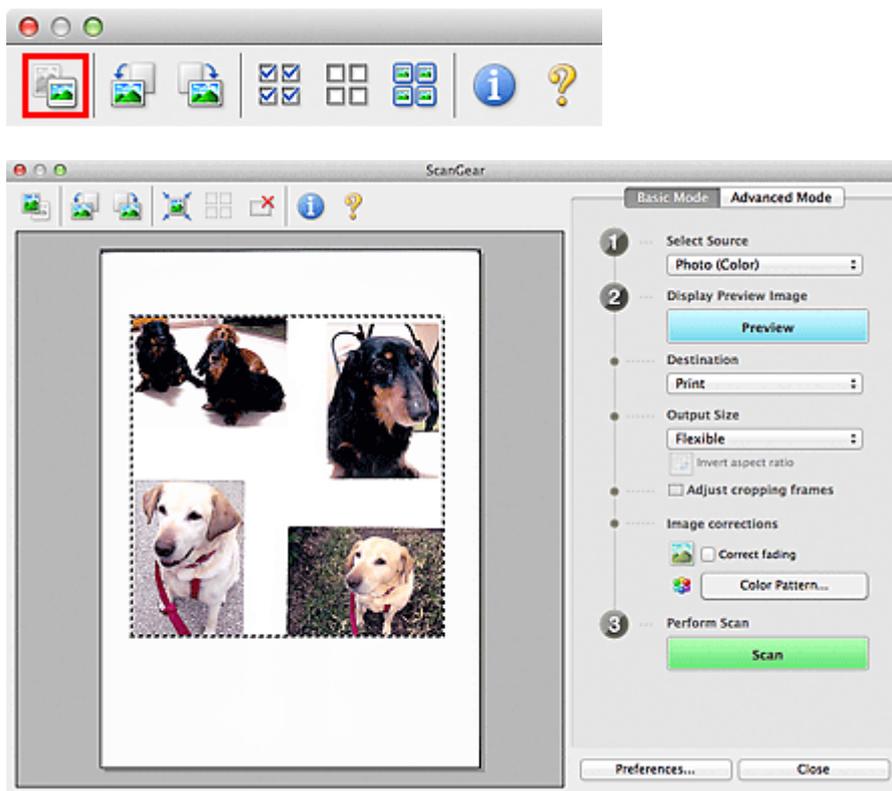
Follow these steps if thumbnails are not displayed correctly when previewed or if you want to scan multiple documents as a single image.

▶▶▶ Note

- Positions of slanted documents are not corrected in whole image view.

1. After previewing images, click  (Thumbnail) on the Toolbar.

Switch to whole image view.



▶▶▶ Note

- When the whole image is displayed, the icon changes to  (Whole Image).

2. Set **Destination**.

3. Set **Output Size** according to purpose.

Invert aspect ratio will be enabled when **Output Size** is set to anything but **Flexible**. Click this button to rotate the cropping frame. Click again to return it to the original orientation.

4. Adjust the cropping frames.

Adjust the size and position of the cropping frames on the preview image. You can also create two or more cropping frames.

If an area is not specified, the document will be scanned at the document size (Auto Crop). If an area is specified, only the portion in the specified area will be scanned.

■ [Adjusting Cropping Frames \(ScanGear\)](#)

5. Set **Image corrections** as required.

6. Click **Scan**.

Areas framed by broken lines are scanned.

»» **Note**

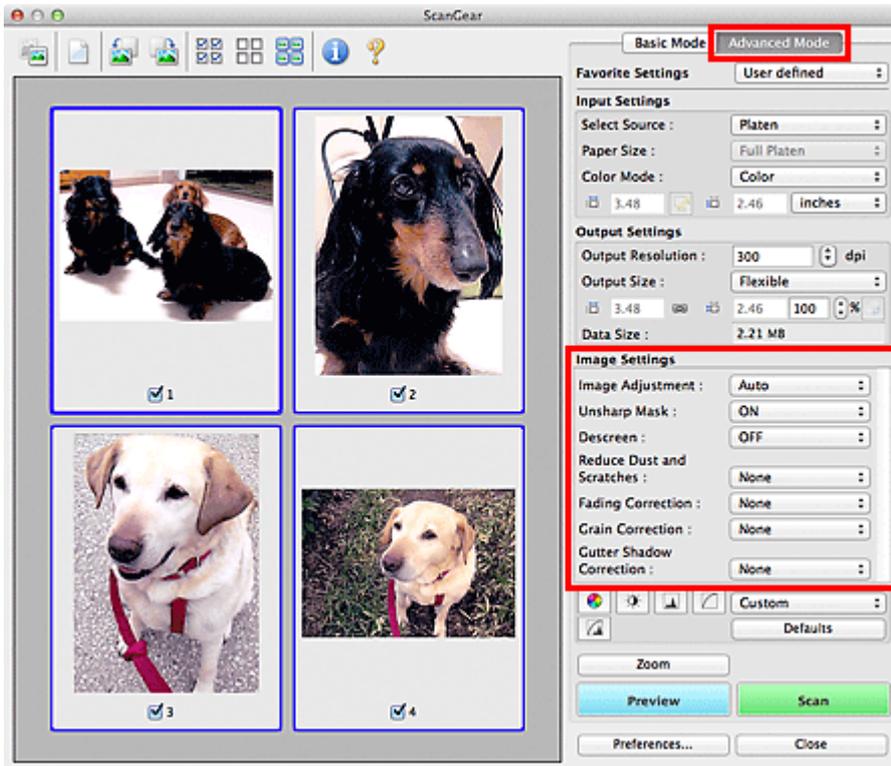
- Scanned images are saved in the folder set for **Save in** on the [Save Settings tab](#) of the **Preferences** dialog. On the **Save Settings** tab, you can also make advanced save settings.
- A response of ScanGear after scanning can be specified in **Status of ScanGear dialog after scanning** on the [Scan tab](#) of the **Preferences** dialog.

Correcting Images and Adjusting Colors with ScanGear

- ▶ **Correcting Images (Unsharp Mask, Reduce Dust and Scratches, Fading Correction, etc.)**
- ▶ **Adjusting Colors Using a Color Pattern**
- ▶ **Adjusting Saturation and Color Balance**
- ▶ **Adjusting Brightness and Contrast**
- ▶ **Adjusting Histogram**
- ▶ **Adjusting Tone Curve**
- ▶ **Setting Threshold**

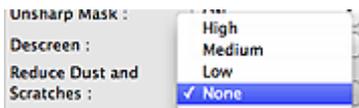
Correcting Images (Unsharp Mask, Reduce Dust and Scratches, Fading Correction, etc.)

The **Image Settings** functions on the **Advanced Mode** tab of ScanGear allow you to enhance the outline of the subjects, reduce dust/scratches, and correct faded colors when scanning images.



Setting Items

Click  (Arrow) of a function and select an item from the pop-up menu.



Important

- Do not apply these functions to images without moire, dust/scratches, or faded colors. The color tone may be adversely affected.
- Refer to "[Image Settings](#)" for details and precautions on each function.

Note

- Refer to "[Scanning in Advanced Mode](#)" to start the **Advanced Mode** tab of ScanGear and scan.

Adjusting the image brightness and color tone

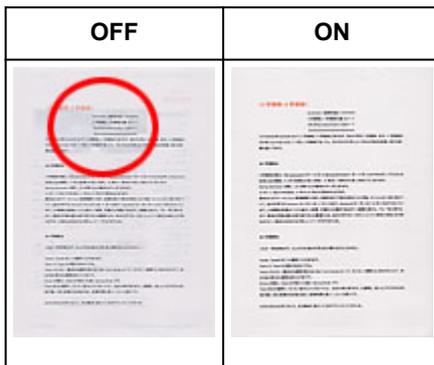
Set **Image Adjustment** to **Auto**, **Photo**, **Magazine**, or **Document** according to the document type.

None	Auto
------	------



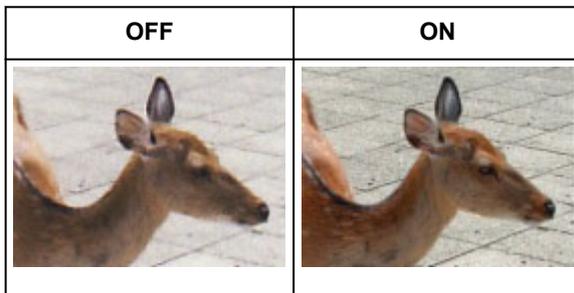
Reducing show-through in text documents or lightening the base color in recycled paper, newspapers, etc. when scanning documents

Set **Reduce Show-through** to **ON**.



Sharpening slightly out-of-focus images

Set **Unsharp Mask** to **ON**.



Reducing gradations and stripe patterns

Set **Descreen** to **ON**.

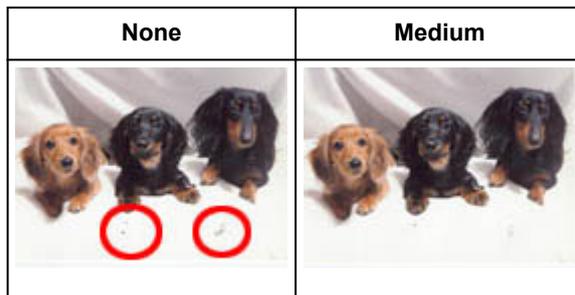


►► Note

- Printed photos and pictures are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned. **Descreen** is the function for reducing this moire effect.

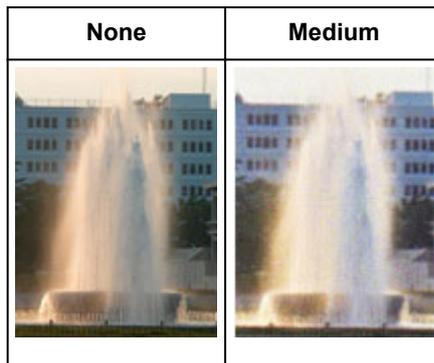
Reducing dust and scratches

Set **Reduce Dust and Scratches** to **Low**, **Medium**, or **High** according to the degree of dust and scratches.



Correcting photos that have faded with time or due to colorcast

Set **Fading Correction** to **Low**, **Medium**, or **High** according to the degree of fading or colorcast.



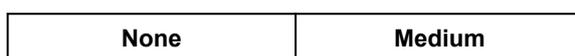
Reducing graininess

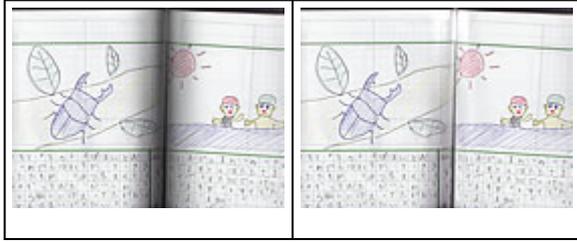
Set **Grain Correction** to **Low**, **Medium**, or **High** according to the degree of graininess.



Correcting shadows that appear between pages when scanning open booklets

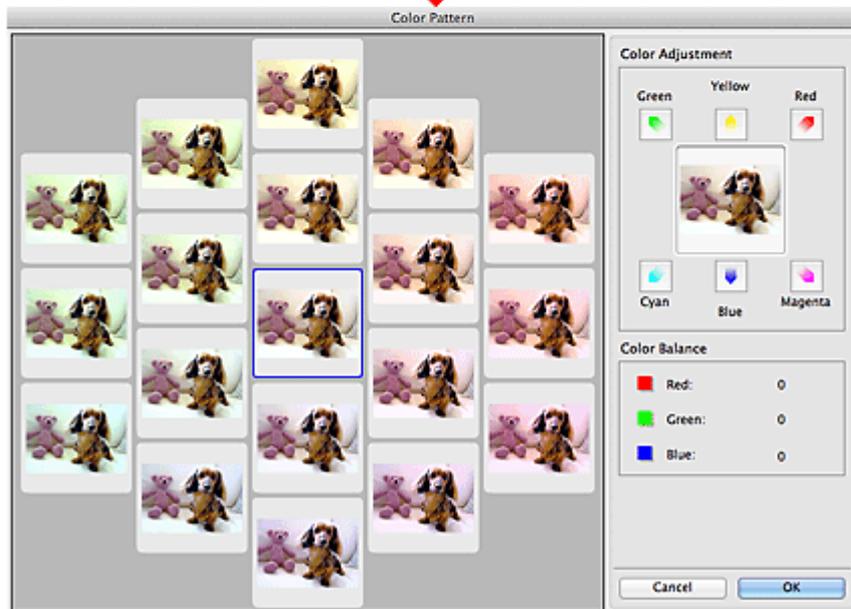
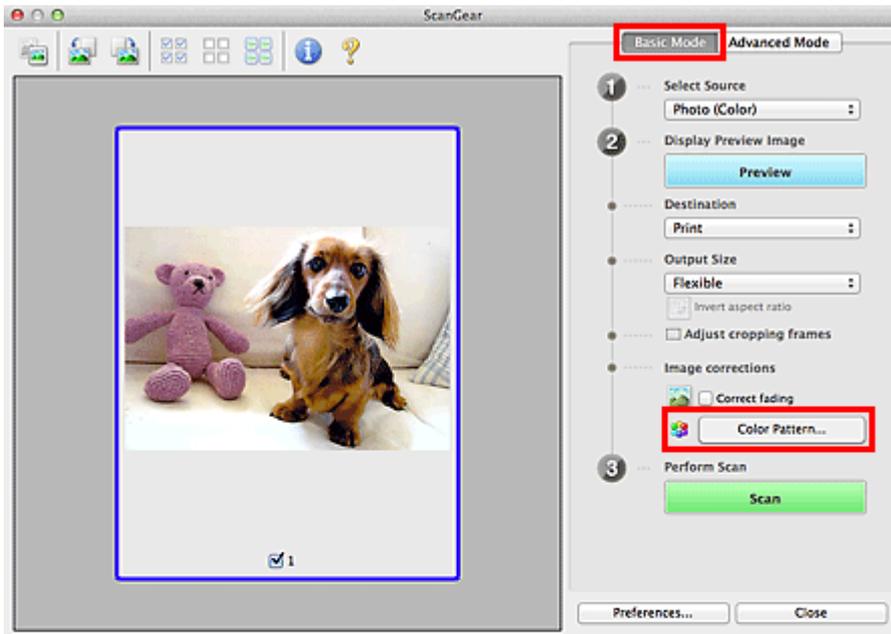
Set **Gutter Shadow Correction** to **Low**, **Medium**, or **High** according to the degree of shadows.





Adjusting Colors Using a Color Pattern

You can preview color changes and reproduce natural colors by using the color pattern function in ScanGear's **Basic Mode** tab.



Color Adjustment

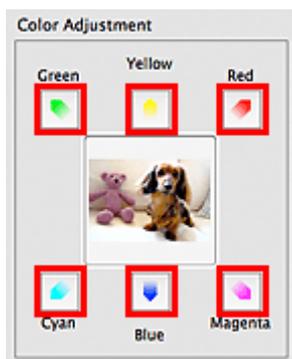
Correct colors that have faded with time or due to colorcast. "Colorcast" is a phenomenon where a specific color affects the entire picture due to the weather or ambient strong colors.

Click an arrow in **Color Adjustment** to emphasize the corresponding color.

Cyan & red, magenta & green, and yellow & blue are complementary color pairs (each pair produces a shade of gray when mixed). You can reproduce the natural colors of the scene by reducing the cast color and increasing the complementary color.

It is recommended that you find a portion in the image where it should be white, and adjust the colors so that the portion turns white.

Preview image appears in the center. Preview image colors change as you adjust them.



Below is an example of correcting a bluish image.

Since **Blue** and **Green** are too strong, click the **Yellow** and **Magenta** arrows to correct.

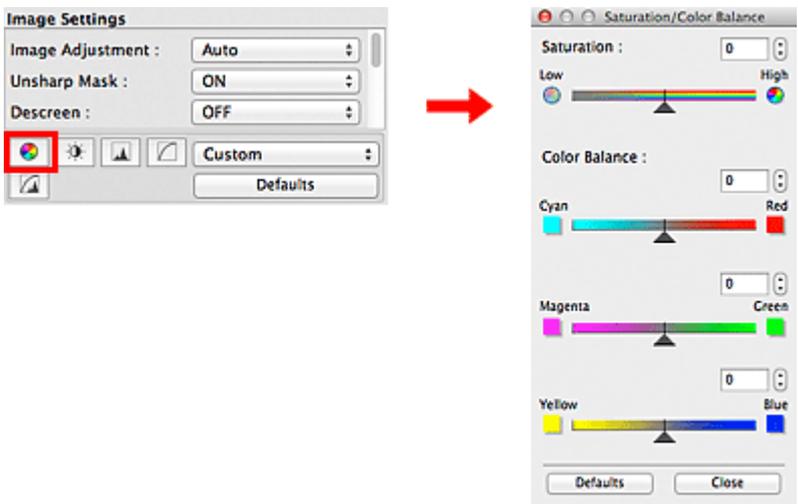


▶▶▶ Note

- Color adjustments are applied only to the cropping frames (scan areas) or the frame selected in thumbnail view.
- You can select multiple frames or cropping frames by clicking them while pressing the command key.
- You can also select a color tone from the color pattern displayed on the left of the **Color Pattern** screen.
- You can also use this function to add a specific tint to an image. Increase the magenta to add a warm tint, and increase the blue to add a cool tint.

Adjusting Saturation and Color Balance

You can brighten colors that have faded with time or due to colorcast by using  (Saturation/Color Balance) in ScanGear's **Advanced Mode** tab.



▶▶▶ Note

- Click **Defaults** to reset all adjustments in the current window.

Saturation

Adjust the image's saturation (vividness). You can brighten colors that have faded with time, etc.

Move ▲ (Slider) under **Saturation** to the left to decrease the saturation (darken the image), and to the right to increase the saturation (brighten the image). You can also enter a value (-127 to 127).



▶▶▶ Note

- The natural color tone of the original image may be lost if you increase saturation too much.

Color Balance

Adjust images that have a colorcast. "Colorcast" is a phenomenon where a specific color affects the entire picture due to the weather or ambient strong colors.

Move ▲ (Slider) under **Color Balance** to the left or right to emphasize the corresponding color.

Cyan & Red

Magenta & Green

Yellow & Blue

These are complementary color pairs (each pair produces a shade of gray when mixed). You can reproduce the natural colors of the scene by reducing the cast color and increasing the complementary color.

It is usually difficult to correct the image completely by adjusting only one color pair. It is recommended that you find a portion in the image where it should be white, and adjust all three color pairs so that the portion turns white.

You can also enter a value (-127 to 127).

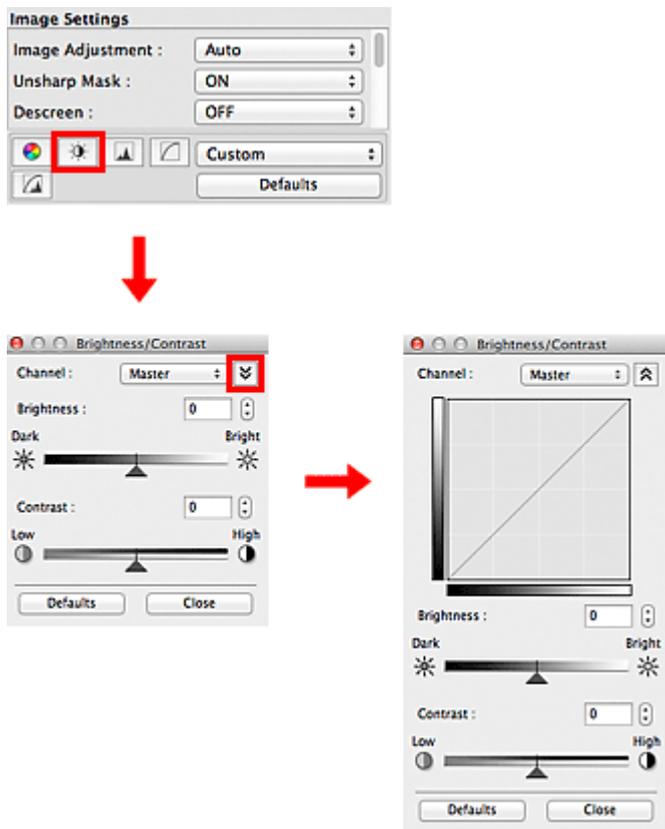
Below is an example of an image in which the "Cyan & Red" pair has been adjusted.



Cyan is increased	Red is increased
	

Adjusting Brightness and Contrast

You can adjust images that are too dark or bright, or too flat due to lack of contrast by using  (Brightness/Contrast) in ScanGear's **Advanced Mode** tab.



►►► Note

- Click  (Down arrow) to switch to detailed view. Click  (Up arrow) to return to the previous view.
- Click **Defaults** to reset all adjustments in the current window.

Channel

Each dot of an image is a mixture of Red, Green, and Blue in various proportions (gradation). These colors can be adjusted individually as a "channel."

Master

Adjust the Red, Green, and Blue combined.

Red

Adjust the Red channel.

Green

Adjust the Green channel.

Blue

Adjust the Blue channel.

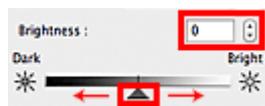
►►► Note

- Only **Grayscale** will be displayed in **Channel** when **Color Mode** is **Grayscale**.

Brightness

Adjust the image brightness.

Move ▲ (Slider) under **Brightness** to the left to darken and right to brighten the image. You can also enter a value (-127 to 127).



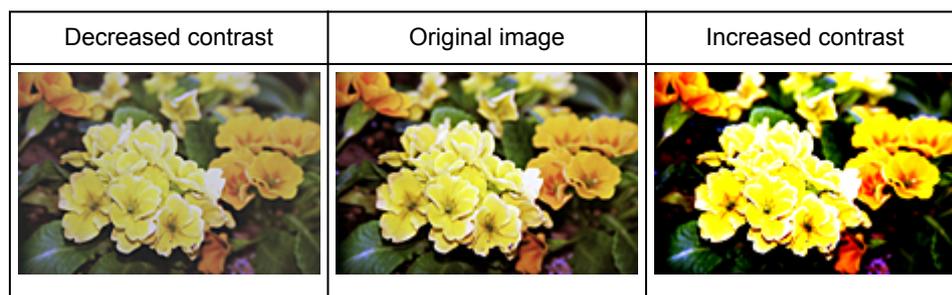
►► Note

- Highlights may be lost if you brighten the image too much, and shadows may be lost if you darken the image too much.

Contrast

"Contrast" is the degree of difference between the brighter and darker parts of an image. Increasing contrast will increase the difference, thus sharpening the image. Decreasing contrast will decrease the difference, thus softening the image.

Move ▲ (Slider) under **Contrast** to the left to decrease and right to increase the contrast of the image. You can also enter a value (-127 to 127).

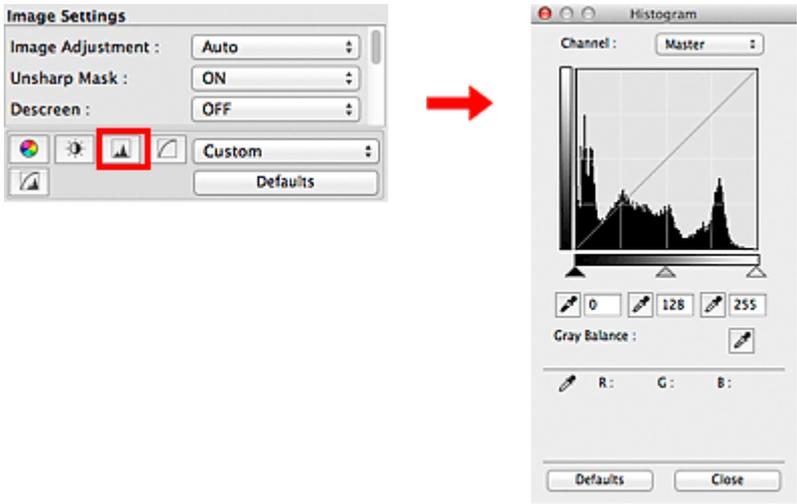


►► Note

- Increasing the contrast is effective in adding a three-dimensional feel to soft images. However, shadows and highlights may be lost if you increase the contrast too much.

Adjusting Histogram

You can adjust the image color tone by using a graph (histogram) showing brightness distribution, via  (Histogram) in ScanGear's **Advanced Mode** tab.



▶▶▶ Note

- Click **Defaults** to reset all adjustments in the current window.

Channel

Each dot of an image is a mixture of Red, Green, and Blue in various proportions (gradation). These colors can be adjusted individually as a "channel."

Master

Adjust the Red, Green, and Blue combined.

Red

Adjust the Red channel.

Green

Adjust the Green channel.

Blue

Adjust the Blue channel.

▶▶▶ Note

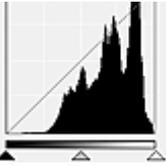
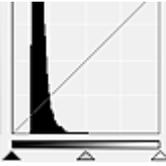
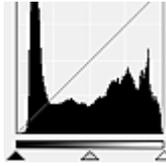
- Only **Grayscale** will be displayed in **Channel** when **Color Mode** is **Grayscale**.

Reading Histograms

You can see the histogram of a specified area for each **Channel**. The higher the histogram peak, the more data is distributed to that level.

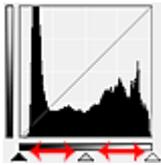


(1) Bright area	(2) Dark area	(3) Whole image
-----------------	---------------	-----------------

		
More data is distributed to the highlight side.	More data is distributed to the shadow side.	Data is widely distributed between the highlight and shadow.

Adjusting Histograms (Using the Slider)

Select a **Channel**, then move ▲ (Black-point Slider) or △ (White-point Slider) to specify the level to be set as the shadow or highlight.



- All parts to the left of ▲ (Black-point Slider) will be black (level 0).
- The parts at △ (Mid-point Slider) will turn to the color exactly between the black-point and white-point.
- All parts to the right of △ (White-point Slider) will turn white (level 255).

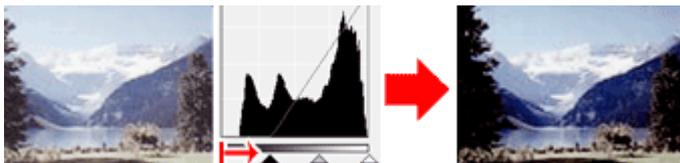
When **Image Adjustment** is set to anything but **None**, the adjustments shown below are performed automatically.

Moving the Black-point and White-point Sliders

Move the Black-point Slider or White-point Slider to adjust brightness.

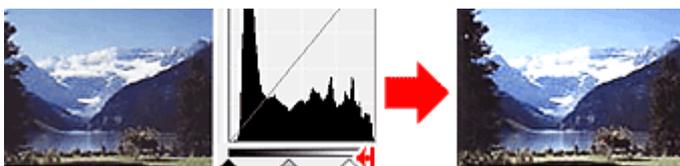
Images with more data distributed to the highlight side

Move the Black-point Slider toward the highlight side.



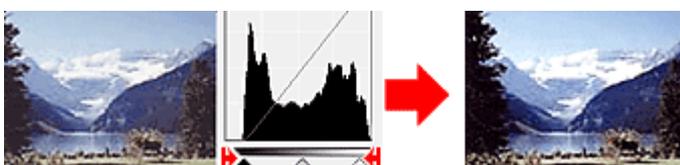
Images with more data distributed to the shadow side

Move the White-point Slider toward the shadow side.



Images with widely distributed data

Move the Black-point Slider toward the highlight side, and White-point Slider toward the shadow side.

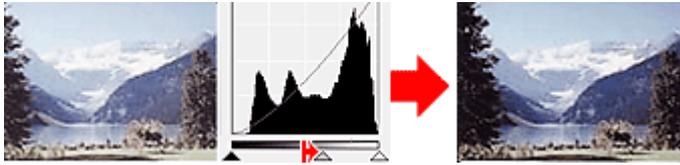


Moving the Mid-point Slider

Move the Mid-point Slider to specify the level to be set as the middle of the tonal range.

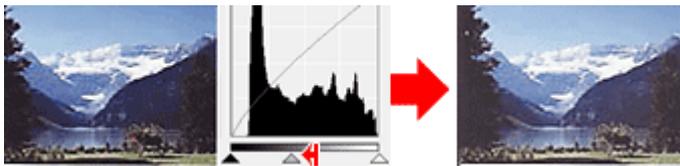
Images with more data distributed to the highlight side

Move the Mid-point Slider toward the highlight side.



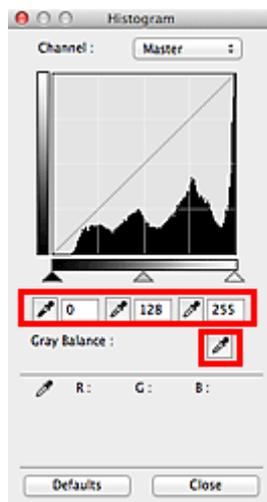
Images with more data distributed to the shadow side

Move the Mid-point Slider toward the shadow side.



Adjusting Histograms (Using the Droppers)

When you select a **Channel** and click the Black-point, Mid-point, or White-point Dropper, the mouse pointer on the preview image changes to a dropper. Click a Dropper displayed below the histogram to change the setting.

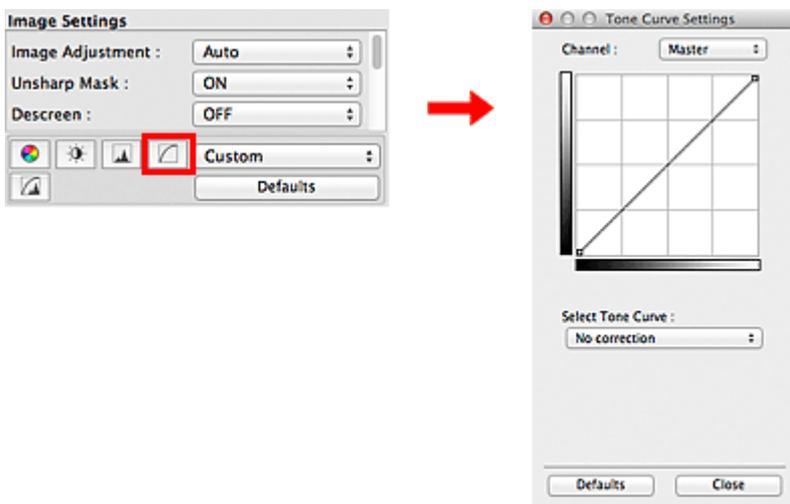


- The point clicked with  (Black-point Dropper) will be the darkest point. You can also enter a value (0 to 245).
- The point clicked with  (Mid-point Dropper) will be the middle of the tonal range. You can also enter a value (5 to 250).
- The point clicked with  (White-point Dropper) will be the brightest point. You can also enter a value (10 to 255).
- Click  (Dropper) for **Gray Balance** and click the area you want to adjust the color in the preview image.

The clicked point will be set as the achromatic color reference, and the rest of the image is adjusted accordingly. For instance, if snow in a photo appears bluish, click the bluish part to adjust the whole image and reproduce natural colors.

Adjusting Tone Curve

You can adjust the brightness of an image by selecting the type of graph (tone curve) showing the balance of tone input and output, via  (Tone Curve Settings) in ScanGear's **Advanced Mode** tab.



►► Note

- Click **Defaults** to reset all adjustments in the current window.

Channel

Each dot of an image is a mixture of Red, Green, and Blue in various proportions (gradation). These colors can be adjusted individually as a "channel."

Master

Adjust the Red, Green, and Blue combined.

Red

Adjust the Red channel.

Green

Adjust the Green channel.

Blue

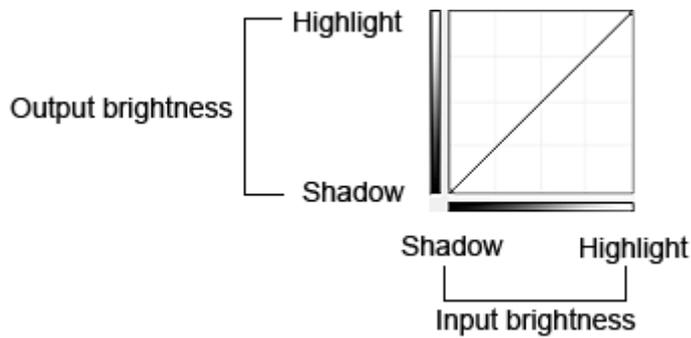
Adjust the Blue channel.

►► Note

- Only **Grayscale** will be displayed in **Channel** when **Color Mode** is **Grayscale**.

Reading Tone Curves

With ScanGear, scanning images via a scanner is the input, and displaying to a monitor is the output. "Tone Curve" shows the balance of tone input and output for each **Channel**.



Adjusting Tone Curve

In **Select Tone Curve**, select a tone curve from **No correction**, **Overexposure**, **Underexposure**, **High contrast**, **Reverse the negative/positive image**, and **Edit custom curve**.

No correction (No adjustment)



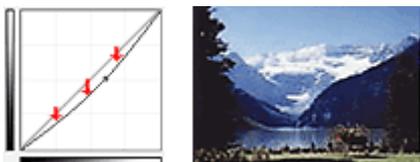
Overexposure (Convex curve)

The midtone data of the input side is stretched toward the highlight of the output side, resulting in a bright-toned image when viewed on a monitor.



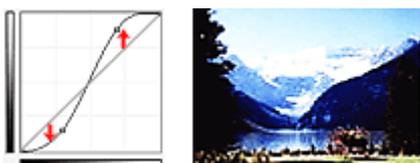
Underexposure (Concave curve)

The midtone data of the input side is stretched toward the shadow of the output side, resulting in a dark-toned image when viewed on a monitor.



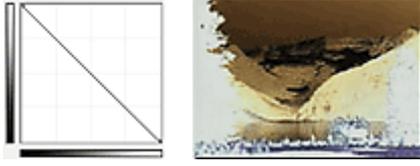
High contrast (S curve)

The highlight and shadow of the input side are enhanced, resulting in a high-contrast image.



Reverse the negative/positive image (Downward-sloping line)

The input and output sides are reversed, resulting in a negative-positive inverted image.

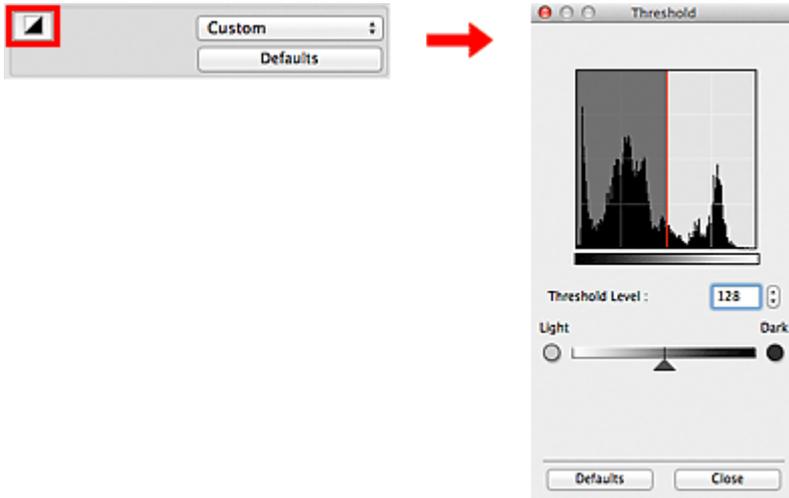


Edit custom curve

You can drag specific points on the Tone Curve to freely adjust the brightness of the corresponding areas.

Setting Threshold

You can sharpen text in a document or reduce show-through in newspapers by adjusting the threshold level via  (Threshold) in ScanGear's **Advanced Mode** tab.



►► Note

- This function is available when **Color Mode** is **Black and White**.
- Click **Defaults** to reset all adjustments in the current window.

Adjusting Threshold

The brightness of color and grayscale images is expressed in a value between 0 and 255. However, in creating black and white images, all colors are mapped to either black (0) or white (255). "Threshold" is the borderline value that determines a color as black or white.

Move ▲ (Slider) to the right to increase the threshold value and thus increase the black areas. Move the slider to the left to decrease the value and thus increase the white areas. You can also enter a value (0 to 255).



ScanGear Screens

- ▶ **Basic Mode Tab**

- ▶ **Advanced Mode Tab**

- **Input Settings**
- **Output Settings**
- **Image Settings**
- Color Adjustment Buttons

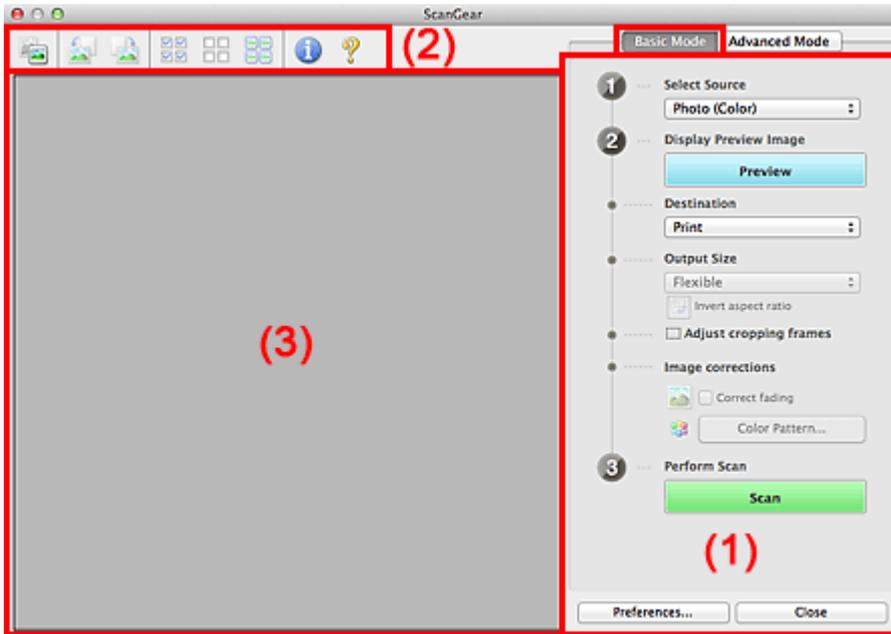
- ▶ **Preferences Dialog**

- **Preview Tab**
- **Scan Tab**
- **Color Settings Tab**
- **Scanner Tab**
- **Save Settings Tab**

Basic Mode Tab

This mode allows you to scan easily by following the on-screen steps.

This section describes the settings and functions available on the **Basic Mode** tab.



- [\(1\) Settings and Operation Buttons](#)
- [\(2\) Toolbar](#)
- [\(3\) Preview Area](#)

►►► Note

- The displayed items vary by document type and view.

(1) Settings and Operation Buttons

Select Source

Photo (Color)

Scan color photos.

Magazine (Color)

Scan color magazines.

Document (Color)

Scan documents in color.

Document (Grayscale)

Scan documents in black and white.

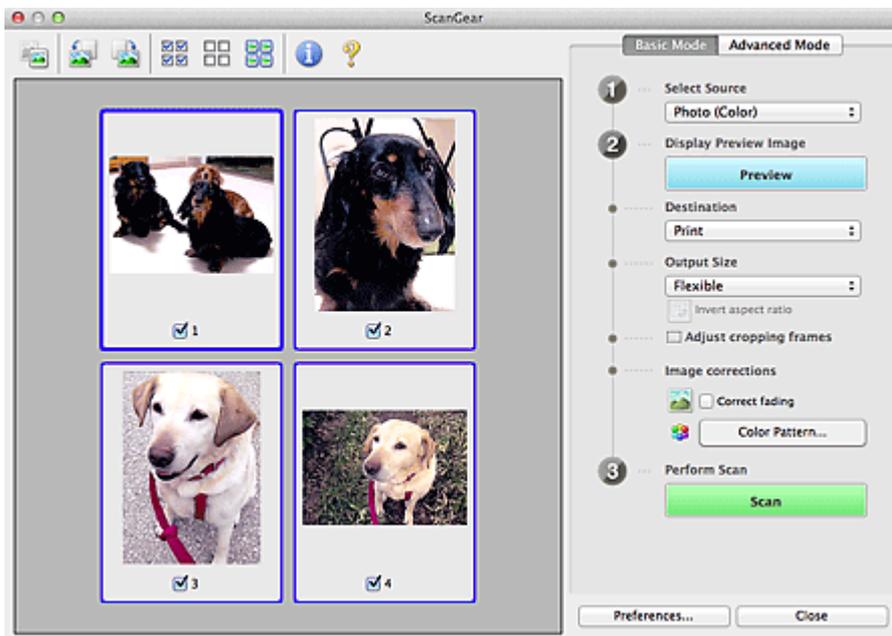
►►► Note

- When you select a document type, the unsharp mask function will be active. The image adjustment function which adjusts images based on the document type will also be active.
- If you select **Magazine (Color)**, the descreen function will be active.

Display Preview Image

Preview

Performs a trial scan.



►► Note

- When using the machine for the first time, scanner calibration starts automatically. Wait a while until the preview image appears.

Destination

Select what you want to do with the scanned image.

Print

Select this to print the scanned image on a printer.

Image display

Select this to view the scanned image on a monitor.

OCR

Select this to use the scanned image with OCR software.

"OCR software" is software that converts text scanned as an image into text data that can be edited in word processors and other programs.

Output Size

Select an output size.

Output size options vary by the item selected in **Destination**.

Flexible

Allows you to freely adjust the cropping frames (scan areas).

In thumbnail view:

Drag the mouse over a thumbnail to display a cropping frame. When a cropping frame is displayed, the portion within the cropping frame will be scanned. When no cropping frame is displayed, each frame is scanned individually.

In whole image view:

When no cropping frame is displayed, the entire Preview area will be scanned. When a cropping frame is displayed, the portion within the cropping frame will be scanned.

Paper Size (L, A4, etc.)

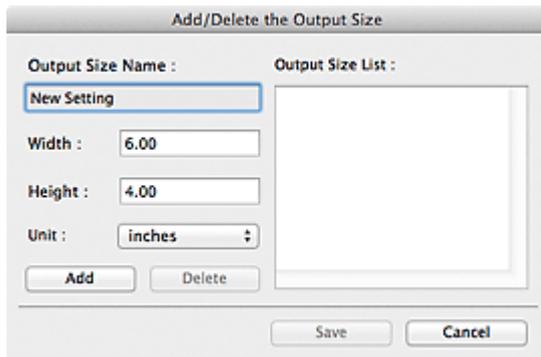
Select an output paper size. The portion within the cropping frame will be scanned at the size of the selected paper size. You can drag the cropping frame to enlarge/reduce it while maintaining the aspect ratio.

Monitor Size (1024 x 768 pixels, etc.)

Select an output size in pixels. A cropping frame of the selected monitor size will be displayed and the portion within the cropping frame will be scanned. You can drag the cropping frame to enlarge/reduce it while maintaining the aspect ratio.

Add/Delete...

Opens the **Add/Delete the Output Size** dialog, in which you can specify custom output sizes. You can select this option when **Destination** is **Print** or **Image display**.



In the **Add/Delete the Output Size** dialog, you can specify multiple output sizes and save them at one time. Saved items will be registered to the **Output Size** list and can be selected, along with the predefined items.

Adding:

Enter **Output Size Name**, **Width**, and **Height**, then click **Add**. For **Unit**, you can select **inches** or **mm** when **Destination** is **Print** but you can only select **pixels** when **Destination** is **Image display**. The name of the added size appears in **Output Size List**. Click **Save** to save the items listed in **Output Size List**.

Deleting:

Select the output size you want to delete in **Output Size List**, then click **Delete**. Click **Save** to save the items listed in **Output Size List**.

»»» Important

- You cannot delete predefined output sizes such as **A4** and **1024 x 768 pixels**.

»»» Note

- Save up to 10 items.
- An error message appears when you enter a value outside the setting range. Enter a value within the setting range.

»»» Note

- For details on whether or how the cropping frame is initially displayed on a preview image, refer to **Cropping Frame on Previewed Images** in "[Preview Tab](#)" (**Preferences** dialog).



Invert aspect ratio

Available when **Output Size** is set to anything but **Flexible**.

Click this button to rotate the cropping frame. Click again to return it to the original orientation.

Adjust cropping frames

You can adjust the scan area within the Preview area.

If an area is not specified, the document will be scanned at the document size (Auto Crop). If an area is specified, only the portion in the cropping frame will be scanned.

■ [Adjusting Cropping Frames \(ScanGear\)](#)

Image corrections

Allows you to apply corrections to images.

►►► Important

- **Apply Auto Document Fix** and **Correct fading** are available when **Recommended** is selected on the **Color Settings** tab of the **Preferences** dialog.

►►► Note

- Available functions vary by the document type selected in **Select Source**.

Apply Auto Document Fix

Sharpens text in a document or magazine for better readability.

►►► Important

- Scanning may take longer than usual when this checkbox is selected.
- The color tone may change from the source image due to corrections. In that case, deselect the checkbox and scan.
- Correction may not be applied properly if the scan area is too small.

Correct fading

Corrects and scans photos that have faded with time or have a colorcast.

Reduce gutter shadow

Corrects shadows that appear between pages when scanning open booklets.

►►► Important

- For precautions on using this function, refer to "[Gutter Shadow Correction](#)."

Color Pattern...

Allows you to adjust the image's overall color. You can correct colors that have faded due to colorcast, etc. and reproduce natural colors while previewing color changes.

■ [Adjusting Colors Using a Color Pattern](#)

►►► Important

- This setting is not available when you select **Color Matching** on the **Color Settings** tab of the **Preferences** dialog.

Perform Scan

Scan

Starts scanning.

►►► Note

- When scanning starts, the progress will be displayed. Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** on the [Save Settings tab](#) of the **Preferences** dialog.

Preferences...

Opens the [Preferences dialog](#) in which you can make scan/preview settings.

Close

Closes ScanGear.

(2) Toolbar

You can adjust or rotate preview images. The buttons displayed on the Toolbar vary by view.

In thumbnail view:



In whole image view:



Switches the view in the Preview area.

■ (3) [Preview Area](#)



Rotates the preview image 90 degrees counter-clockwise.

- The result will be reflected in the scanned image.
- The image returns to its original state when you preview again.



Rotates the preview image 90 degrees clockwise.

- The result will be reflected in the scanned image.
- The image returns to its original state when you preview again.



Displays and adjusts the cropping frame automatically to the size of the document displayed in the Preview area. The scan area is reduced every time you click this button if there are croppable areas within the cropping frame.



Available when two or more frames are displayed.

Selects the checkboxes of the image in thumbnail view.



Available when two or more frames are displayed.

Deselects the checkboxes of the image in thumbnail view.



Available when two or more frames are displayed.

Selects the images in thumbnail view and outlines them in blue.



(Select All Cropping Frames)

Available when two or more cropping frames are specified.

Turns the cropping frames into thick broken lines and applies the settings to all of them.



(Remove Cropping Frame)

Removes the selected cropping frame.



(Information)

Displays the version of ScanGear and the current scan settings (document type, etc.).



(Open Guide)

Opens this page.

(3) Preview Area

This is where a trial image appears after you click **Preview**. You can also check the results of the settings (image corrections, color adjustments, etc.) made in "[\(1\) Settings and Operation Buttons.](#)"



When (Thumbnail) is displayed on the Toolbar:

Cropping frames are specified according to the document size, and thumbnails of scanned images are displayed. Only the images with the checkbox selected will be scanned.



▶▶▶ Note

- When multiple images are previewed, different outlines indicate different selection status.
 - Focus Frame (thick blue outline): The displayed settings will be applied.
 - Selected Frame (thin blue outline): The settings will be applied to the Focus Frame and Selected Frames simultaneously. You can select multiple images by clicking them while pressing the command key.
 - Unselected (no outline): The settings will not be applied.

- Double-click a frame to zoom in on the image. Click  (Frame Advance) at the bottom of the screen to display the previous or next frame. Double-click the frame again to return the display to its non-magnified state.

When  (Whole Image) is displayed on the Toolbar:

Items on the Platen are scanned and displayed as a single image. All portions in the cropping frames will be scanned.



►► Note

- You can specify the cropping frame on the displayed image. In thumbnail view, you can only create one cropping frame per image. In whole image view, you can create multiple cropping frames.

■ [Adjusting Cropping Frames \(ScanGear\)](#)

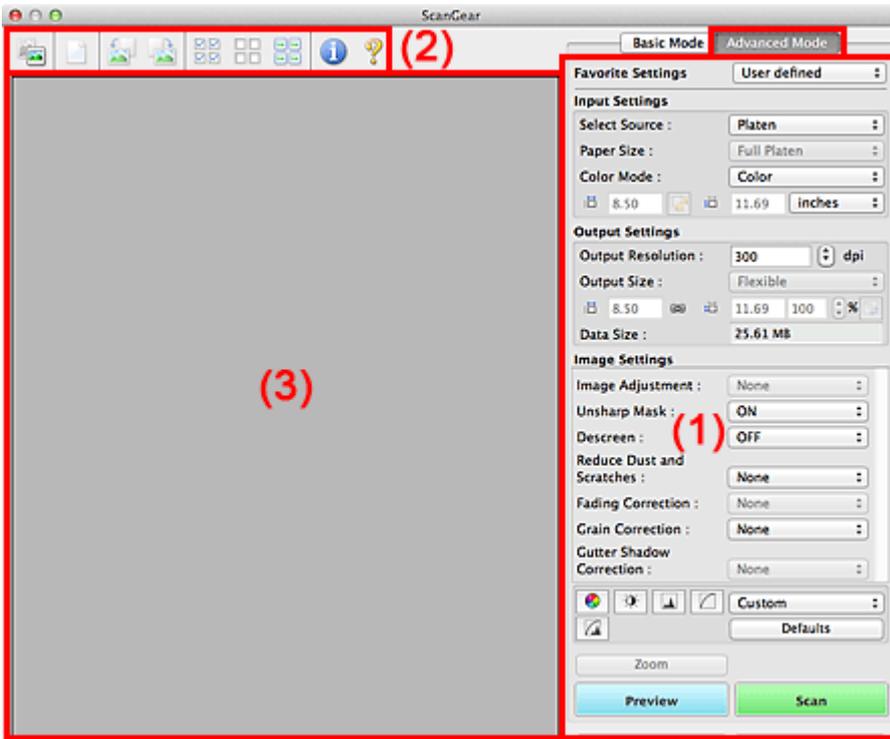
Related Topic

■ [Scanning in Basic Mode](#)

Advanced Mode Tab

This mode allows you to make advanced scan settings such as the color mode, output resolution, image brightness, and color tone.

This section describes the settings and functions available on the **Advanced Mode** tab.



- (1) [Settings and Operation Buttons](#)
- (2) [Toolbar](#)
- (3) [Preview Area](#)

►►► Note

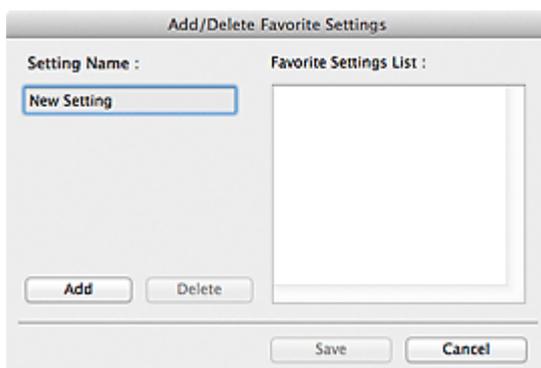
- The displayed items vary by document type and view.

(1) Settings and Operation Buttons

Favorite Settings

You can name and save a group of settings (Input Settings, Output Settings, Image Settings, and Color Adjustment Buttons) on the **Advanced Mode** tab, and load it as required. It is convenient to save a group of settings if you will be using it repeatedly. You can also use this to reload the default settings.

Select **Add/Delete...** from the pop-up menu to open the **Add/Delete Favorite Settings** dialog.



Enter **Setting Name** and click **Add**; the name appears in **Favorite Settings List**.

When you click **Save**, the item appears in the **Favorite Settings** list and can be selected, along with the predefined items.

To delete an item, select it in **Favorite Settings List** and click **Delete**. Click **Save** to save the settings displayed in **Favorite Settings List**.

»»» Note

- You can set **Add/Delete...** in **Favorite Settings** after preview.
- Save up to 10 items.

Input Settings

Specify the input settings such as the document type and size.

Output Settings

Specify the output settings such as the output resolution and size.

Image Settings

Enable/disable various image correction functions.

Color Adjustment Buttons

Fine corrections to the image brightness and color tones can be made including adjustments to the image's overall brightness or contrast and adjustments to its highlight and shadow values (histogram) or balance (tone curve).

Zoom

Zooms in on a frame, or zooms in on the image in the area specified with a cropping frame (scan area). When zoomed in, **Zoom** changes to **Undo**. Click **Undo** to return the display to its non-magnified state.

In thumbnail view:

When multiple images are displayed in thumbnail view, clicking this button zooms in on the selected frame. Click  (Frame Advance) at the bottom of the screen to display the previous or next frame.

»»» Note

- You can also zoom in on an image by double-clicking the frame. Double-click the frame again to return the display to its non-magnified state.

In whole image view:

Rescans the image in the area specified with a cropping frame at higher magnification.

»»» Note

- **Zoom** rescans the document and displays high-resolution image in Preview.
-  (Enlarge/Reduce) on the Toolbar zooms in on the preview image quickly. However, the resolution of the displayed image will be low.

Preview

Performs a trial scan.



(Thumbnail) /



(Whole Image)

Switches the view in the Preview area.

■ [\(3\) Preview Area](#)



(Clear)

Deletes the preview image from the Preview area.

It also resets the Toolbar and color adjustment settings.



(Crop)

Allows you to specify the scan area by dragging the mouse.



(Move Image)

Allows you to drag the image until the part you want to see is displayed when an image enlarged in the Preview area does not fit in the screen. You can also move the image using the scroll bars.



(Enlarge/Reduce)

Allows you to zoom in on the Preview area by clicking the image. Option-click the image to zoom out.



(Rotate Left)

Rotates the preview image 90 degrees counter-clockwise.

- The result will be reflected in the scanned image.
- The image returns to its original state when you preview again.



(Rotate Right)

Rotates the preview image 90 degrees clockwise.

- The result will be reflected in the scanned image.
- The image returns to its original state when you preview again.



(Auto Crop)

Displays and adjusts the cropping frame automatically to the size of the document displayed in the Preview area. The scan area is reduced every time you click this button if there are croppable areas within the cropping frame.



(Check All Frames)

Available when two or more frames are displayed.

Selects the checkboxes of the image in thumbnail view.



(Uncheck All Frames)

Available when two or more frames are displayed.

Deselects the checkboxes of the image in thumbnail view.



(Select All Frames)

Available when two or more frames are displayed.

Selects the images in thumbnail view and outlines them in blue.



(Select All Cropping Frames)

Available when two or more cropping frames are specified.

Turns the cropping frames into thick broken lines and applies the settings to all of them.



(Remove Cropping Frame)

Removes the selected cropping frame.



(Information)

Displays the version of ScanGear and the current scan settings (document type, etc.).



(Open Guide)

Opens this page.

(3) Preview Area

This is where a trial image appears after you click **Preview**. You can also check the results of the settings (image corrections, color adjustments, etc.) made in "[\(1\) Settings and Operation Buttons.](#)"



When (Thumbnail) is displayed on the Toolbar:

Cropping frames are specified according to the document size, and thumbnails of scanned images are displayed. Only the images with the checkbox selected will be scanned.

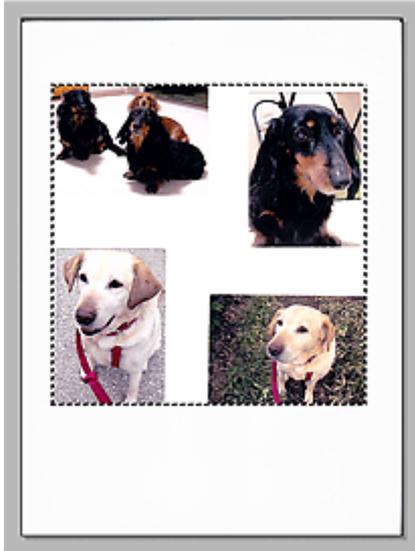


▶▶ Note

- When multiple images are previewed, different outlines indicate different selection status.
 - Focus Frame (thick blue outline): The displayed settings will be applied.
 - Selected Frame (thin blue outline): The settings will be applied to the Focus Frame and Selected Frames simultaneously. You can select multiple images by clicking them while pressing the command key.
 - Unselected (no outline): The settings will not be applied.

When  (Whole Image) is displayed on the Toolbar:

Items on the Platen are scanned and displayed as a single image. All portions in the cropping frames will be scanned.



➤➤ Note

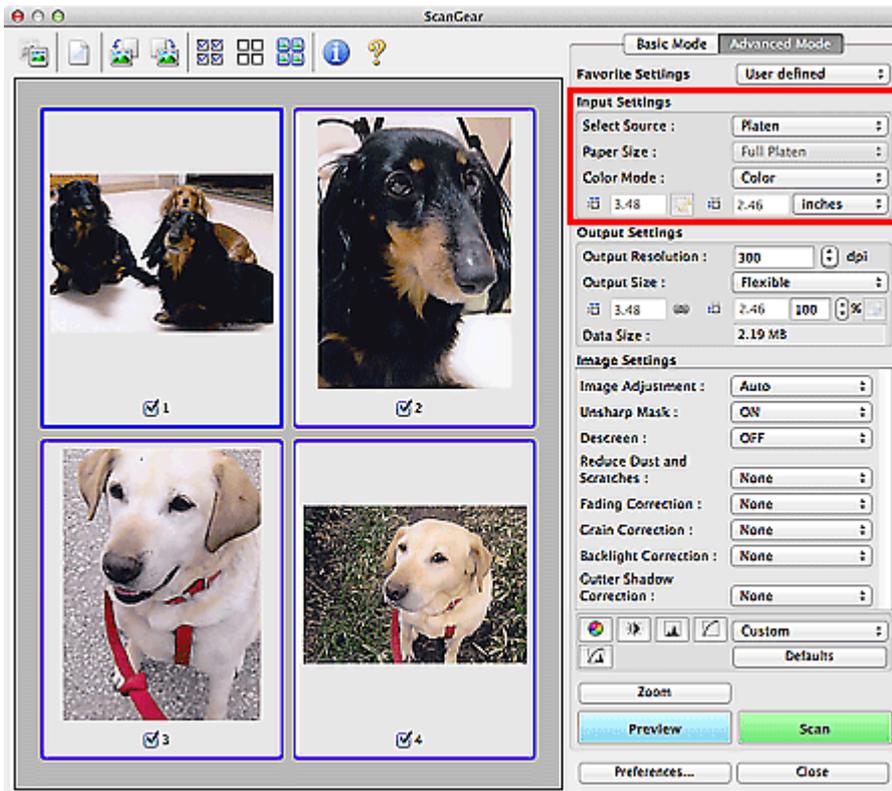
- You can specify the cropping frame on the displayed image. In thumbnail view, you can only create one cropping frame per image. In whole image view, you can create multiple cropping frames.

■ [Adjusting Cropping Frames \(ScanGear\)](#)

Related Topic

■ [Scanning in Advanced Mode](#)

Input Settings



Input Settings allows you to set the following items:

Select Source

The type of document to be scanned is displayed.

Paper Size

Select the size of the document to be scanned. This setting is available in whole image view only.

When you select a size, the Preview area size changes accordingly.

►► Important

- Some applications have a limit to the amount of scan data they can receive. Available scan range is as follows.
 - 21000 pixels x 30000 pixels or less (and 1.8 GB or less in data size)
- If you change **Paper Size** after previewing, the preview image will be deleted.

►► Note

- If you are not sure which size you should select for **Paper Size**, set **Paper Size** to **Full Platen**, then measure the size of the document and enter the values into  (Width) and  (Height).

Color Mode

Select how to scan the document.

Color

Select this mode to scan color documents or to create color images. This mode renders the image in 256 levels (8 bit) of R(ed), G(reen), and B(lue).

Color(48bit)

Select this mode to scan color photos. This mode renders the image in 65536 levels (16 bit) of R(ed), G(reen), and B(lue).

Grayscale

Select this mode to scan black and white photos or to create black and white images. This mode renders the image in 256 levels (8 bit) of black and white.

Black and White

Select this mode to scan photos and documents in black and white. This mode renders the image in black and white. The contrast in the image is divided at certain levels (threshold level) into black and white and is rendered in two colors. The threshold level can be set with  (Threshold).

►►► Important

- Some applications cannot display images scanned in **Color(48bit)**.
- **Color(48bit)** is displayed only when the **Enable 48/16 bit Output** checkbox is selected on the [Scan tab](#) of the **Preferences** dialog.

Input Size

In thumbnail view, the cropped document size is displayed after preview.

In whole image view, the **Paper Size** is displayed before preview, and the cropping frame (scan area) size is displayed after preview.

You can adjust the cropping frame size by entering the values into  (Width) and  (Height).

Click  (Change Aspect Ratio) and change it to  (Keep Aspect Ratio) to maintain the aspect ratio when you specify the cropping frame size.

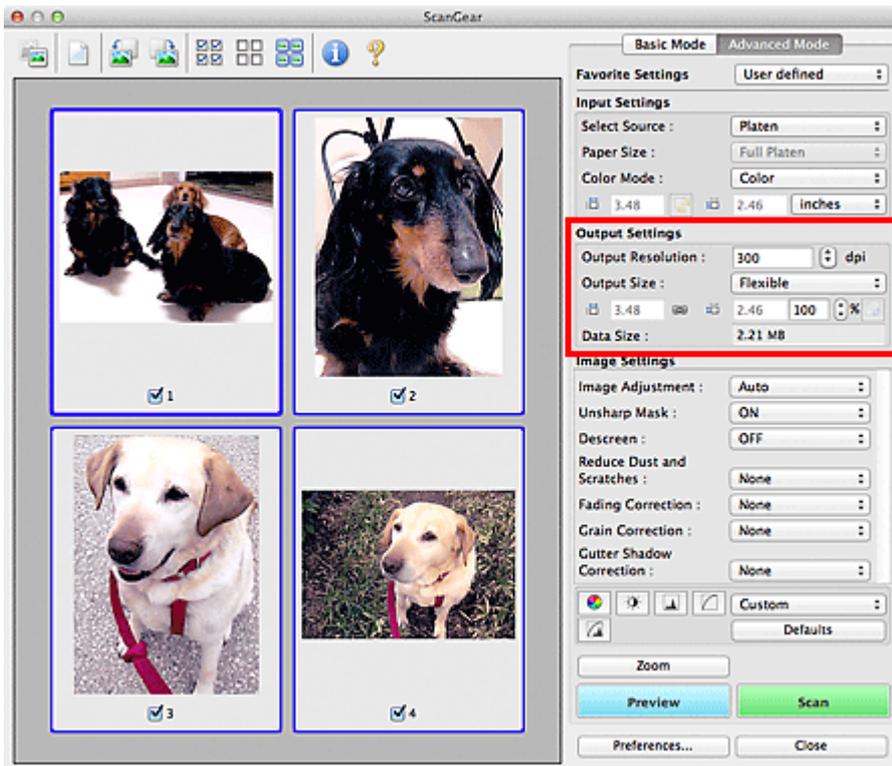
►►► Important

- Input size settings are available only when **Output Size** in **Output Settings** is **Flexible**. If you select a size other than **Flexible**, a cropping frame calculated from **Output Size** and **Output Resolution** is displayed, and its aspect ratio is fixed.

►►► Note

- The values you can enter will be within the range of the selected document size. The minimum size is 96 pixels x 96 pixels when **Output Resolution** is 600 dpi, scaled at 100 %.
- When Auto Crop is performed in whole image view, the aspect ratio will not be maintained since the size will be prioritized.
- Refer to "[Adjusting Cropping Frames \(ScanGear\)](#)" for details on cropping frames.

Output Settings



Output Settings allows you to set the following items:

Output Resolution

Select the resolution to scan at.

The higher the resolution (value), the more detail in your image.

Select a resolution from the options displayed by clicking the button, or enter a value within the range of 25 dpi to 19200 dpi (in 1 dpi increments).

Refer to "Resolution" for your model from Home of the *Online Manual* for details.

Output Size

Select an output size.

Select **Flexible** to set custom sizes or select a size for printing or displaying. Select **Add/Delete...** to set custom size and save it as a new output size option.

Flexible

You can specify the output resolution and scale, and adjust the cropping frames (scan areas).

In thumbnail view:

Drag the mouse over a thumbnail to display a cropping frame. When a cropping frame is displayed, the portion within the cropping frame will be scanned. When no cropping frame is displayed, each frame is scanned individually.

In whole image view:

When no cropping frame is displayed, the entire Preview area will be scanned. When a cropping frame is displayed, the portion within the cropping frame will be scanned.

►►► Note

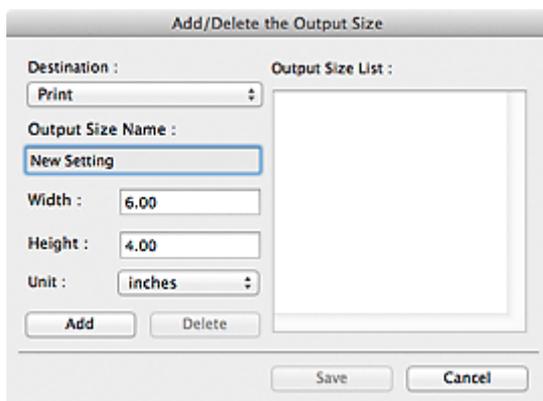
- To enlarge/reduce the scanned image, enter values into  (Width) and  (Height) in **Output Settings** or specify a value (by 1 %) for %. Although the maximum value available for % depends on the **Output Resolution**, it can be specified for up to 19200 dpi (the maximum available output resolution).

Paper Size (L, A4, etc.) & Monitor Size (1024 x 768 pixels, etc.)

 (Width),  (Height), and scale cannot be specified. The preview image will be cropped according to the selected output size and resolution. The portion within the cropping frame will be scanned at the size of the selected paper/monitor size. You can drag the cropping frame to enlarge, reduce, or move it while maintaining the aspect ratio.

Add/Delete...

Opens the **Add/Delete the Output Size** dialog, in which you can specify custom output sizes.



In the **Add/Delete the Output Size** dialog, you can specify multiple output sizes and save them at one time. Saved items will be registered to the **Output Size** list and can be selected, along with the predefined items.

Adding:

Select **Print** or **Image display** for **Destination**, then enter **Output Size Name**, **Width**, and **Height**, then click **Add**. For **Unit**, you can select **inches** or **mm** when **Destination** is **Print** but you can only select **pixels** when **Destination** is **Image display**. The name of the added size appears in **Output Size List**. Click **Save** to save the items listed in **Output Size List**.

Deleting:

Select the output size you want to delete in **Output Size List**, then click **Delete**. Click **Save** to save the items listed in **Output Size List**.

►►► Important

- You cannot delete predefined output sizes such as **A4** and **1024 x 768 pixels**.

►►► Note

- Save up to 10 items for each destination.
- An error message appears when you enter a value outside the setting range. Enter a value within the range displayed in the message.

►►► Note

- Refer to "[Adjusting Cropping Frames \(ScanGear\)](#)" for details on cropping frames.

- For details on whether or how the cropping frame is initially displayed on a preview image, refer to **Cropping Frame on Previewed Images** in "[Preview Tab](#)" (**Preferences** dialog).



(Switch Aspect Ratio)

Available when **Output Size** is set to anything but **Flexible**.

Click this button to rotate the cropping frame. Click again to return it to the original orientation.

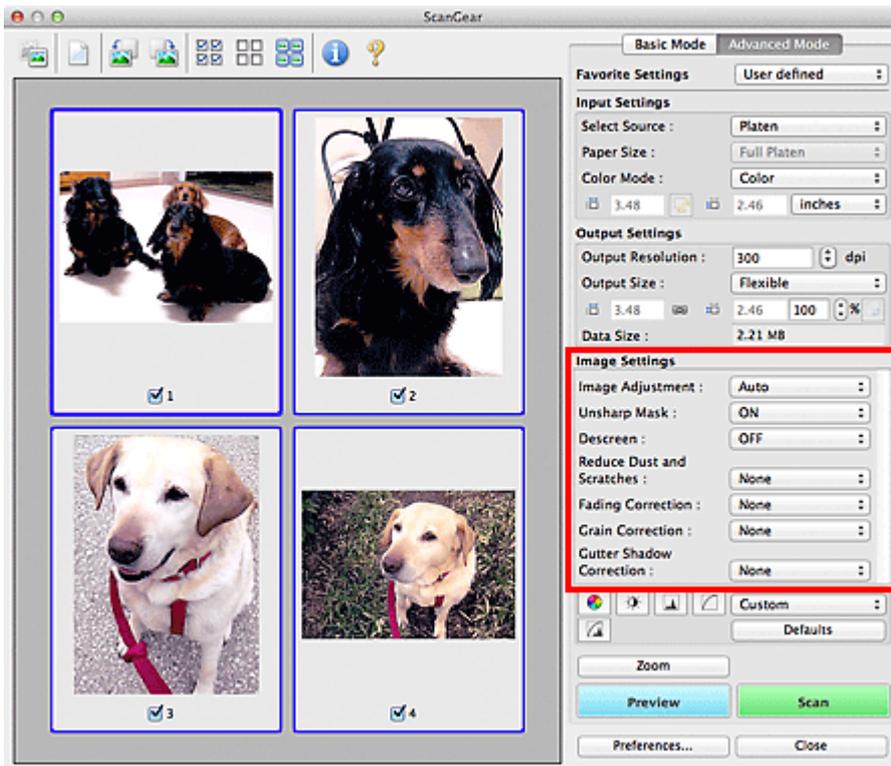
Data Size

The data size when scanned with the current settings is displayed.

»» Note

- When the data size exceeds a certain size, the value appears in red. In that case, a warning message appears when you click **Scan**. It is recommended that you adjust the settings to reduce **Data Size**. To continue, scan in whole image view.

Image Settings



Important

- Do not apply these functions to images without moire, dust/scratches, or faded colors. The color tone may be adversely affected.
- Image correction results may not be reflected in the preview image.

Note

- Selectable settings depend on **Color Mode** settings.
- Scanning may take longer than usual when you use **Image Settings**.

Image Settings allows you to set the following items:

Image Adjustment

When Image Adjustment is set, the brightness of the specified portion of the image is optimized. Images can be adjusted according to the automatically detected document type or the specified document type. The result of the adjustment will be reflected in the entire image.

None

Image Adjustment will not be applied.

Auto

Applies Image Adjustment by automatically detecting the document type. It is recommended that you normally select this setting.

Photo

Applies Image Adjustment suitable for photos.

Magazine

Applies Image Adjustment suitable for magazines.

Document

Applies Image Adjustment suitable for text documents.

»» Important

- You can set **Image Adjustment** after preview.
- You can set this setting when **Recommended** is selected on the **Color Settings** tab of the **Preferences** dialog.

»» Note

- If the image is not adjusted properly with **Auto**, specify the document type.
- The color tone may change from the source image due to the Image Adjustment. In that case, set **Image Adjustment** to **None**.

Reduce Show-through

Use this function to reduce show-through in duplex documents or lighten the base color in recycled paper and other colored paper when scanning documents.

OFF

Show-through will not be reduced.

ON

Select this to reduce show-through in duplex documents or lighten the base color. It is recommended that you normally select this setting.

»» Important

- **Reduce Show-through** can be set when **Recommended** is selected on the **Color Settings** tab of the **Preferences** dialog and **Document** or **Magazine** is selected for **Image Adjustment**.

Unsharp Mask

Emphasizes the outline of the subjects to sharpen the image when scanning photos.

OFF

Unsharp Mask will not be applied.

ON

Emphasizes the outline of the subjects to sharpen the image. It is recommended that you normally select this setting.

Descreen

Printed photos and pictures are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned. **Descreen** is the function for reducing this moire effect.

OFF

Moire will not be reduced.

ON

Reduces moire. It is recommended that you normally select this setting.

»» Note

- Even if **Descreen** is set to **ON**, some moire effects may remain if **Unsharp Mask** is set to **ON**. In that case, set **Unsharp Mask** to **OFF**.

Reduce Dust and Scratches

Scanned photos may contain white dots caused by dust or scratches. Use this function to reduce such noise.

None

Dust and scratches will not be reduced.

Low

Select this to reduce small dust particles and scratches. Large ones may remain.

Medium

It is recommended that you normally select this setting.

High

Select this to reduce large dust particles and scratches; however, evidence of the reduction process may remain or delicate parts of the image may be removed.

»» Important

- This function may not be effective for some types of photos.

»» Note

- It is recommended that you select **None** when scanning printed materials.

Fading Correction

Use this function to correct photos that have faded with time or have a colorcast. "Colorcast" is a phenomenon where a specific color affects the entire picture due to the weather or ambient strong colors.

None

Fading Correction will not be applied.

Low

Select this to correct a small amount of fading and colorcast.

Medium

It is recommended that you normally select this setting.

High

Select this to correct a large amount of fading and colorcast. This can affect the tone of the image.

»» Important

- You can set **Fading Correction** after preview.
- You can set this setting when **Recommended** is selected on the **Color Settings** tab of the **Preferences** dialog.
- Correction may not be applied properly if the scan area is too small.

Grain Correction

Use this function to reduce graininess (roughness) in photos taken with high-speed or sensitized film.

None

Graininess will not be reduced.

Low

Select this when the photo is slightly grainy.

Medium

It is recommended that you normally select this setting.

High

Select this when the photo is very grainy. This can affect the gradation and sharpness of the image.

»» Important

- Correction may not be applied properly if the scan area is too small.

Gutter Shadow Correction

Use this function to correct shadows that appear between pages when scanning open booklets.

When you set the **Gutter Shadow Correction** setting in the preview image, the result will be reflected. Preview the effects before scanning, as results vary depending on the type of document and how it is pressed.

Unclear or blurred text/lines caused by curved pages are not corrected.

None

Gutter shadow will not be corrected.

Low

Select this when the effect level is too strong with the medium setting.

Medium

It is recommended that you normally select this setting.

High

Select this when the effect level is too weak with the medium setting.

»» Important

- You can set **Gutter Shadow Correction** after preview.
- Do not place objects that weigh 4.4 lbs (2.0 kg) or more on the platen. Also, do not press on the document with a force exceeding 4.4 lbs (2.0 kg). If you press heavily, the scanner may not work correctly or you might break the glass.
- Align the document with the edge of the Platen. If not, the shadow will not be corrected properly.



- Shadows may not be corrected properly depending on the document. If the page background is not white, shadows may not be detected correctly or may not be detected at all.
- While scanning, press down on the spine with the same amount of pressure you used to preview the scan. If the binding part is not even, the shadow will not be corrected properly.



- How to place the document depends on your model and the document to be scanned.

»» Note

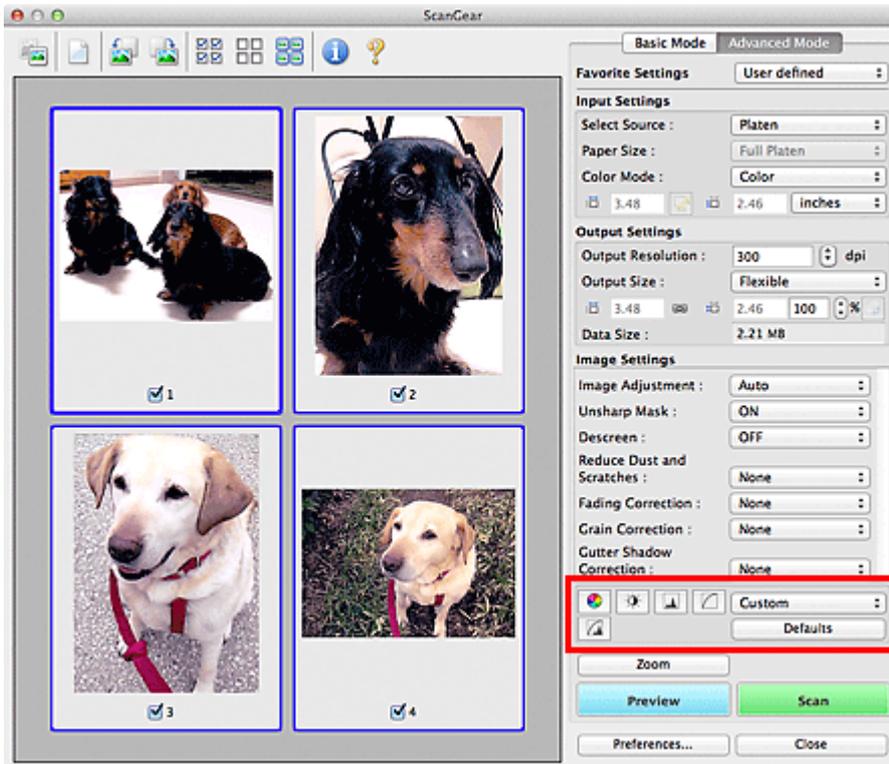
- Cover the document with black cloth if white spots, streaks, or colored patterns appear in scan results due to ambient light entering between the document and the Platen.

- If the shadow is not corrected properly, adjust the cropping frame (scan area) on the preview image.

■ [Adjusting Cropping Frames \(ScanGear\)](#)

Color Adjustment Buttons

The Color Adjustment Buttons allow you to make fine corrections to the image brightness and color tones including adjustments to the image's overall brightness or contrast and adjustments to its highlight and shadow values (histogram) or balance (tone curve).



►►► Important

- The Color Adjustment Buttons are not available when you select **Color Matching** on the **Color Settings** tab of the **Preferences** dialog.

►►► Note

- Selectable settings depend on **Color Mode** settings.
- When you adjust the image via the Color Adjustment Buttons, the results will be reflected in the preview image.

Click a Color Adjustment Button to set the following items:



(Saturation/Color Balance)

Adjust the saturation (vividness) and color tone of the image. Use this function to brighten colors that have faded with time or due to colorcast. "Colorcast" is a phenomenon where a specific color affects the entire picture due to the weather or ambient strong colors.

■ [Adjusting Saturation and Color Balance](#)



(Brightness/Contrast)

Adjust the brightness and contrast of the image. If the image is too dark or too bright, or if the image quality is flat due to lack of contrast, you can adjust the levels of brightness and contrast.

■ [Adjusting Brightness and Contrast](#)



(Histogram)

A histogram allows you to see the data concentration at each brightness level of an image. You can specify the brightest level (highlight) and darkest level (shadow) within an image, cut the levels and expand the middle of the tonal range of the image.

■ [Adjusting Histogram](#)



(Tone Curve Settings)

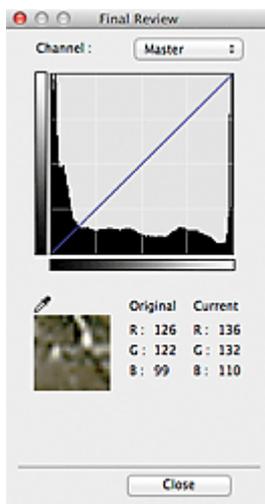
Adjust the brightness of an image by selecting the type of graph (tone curve) showing the balance of tone input and output. You can make fine adjustments to the brightness of a specific area.

■ [Adjusting Tone Curve](#)



(Final Review)

Make a final check of color adjustments. The final synthesized tone curve and the histogram derived from the subsequent image processing will be displayed. There are no settings to make in this screen.



- For a color image, select a color in **Channel** to check either **Red**, **Green**, or **Blue**, or select **Master** to check three colors together.
- If you place the cursor on the preview image, the portion will be enlarged and its RGB values (only L when **Color Mode** is **Grayscale**) before and after the adjustments will be displayed.



(Threshold)

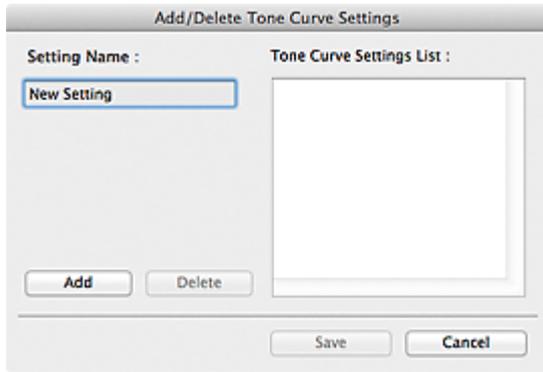
Set the boundary (threshold) at which black and white are divided. By adjusting the threshold level, you can sharpen text in a document or reduce show-through in newspapers.

■ [Setting Threshold](#)

Custom

You can name and save a set of tone curve and threshold settings of the Color Adjustment Buttons.

Select **Add/Delete...** from the pop-up menu; when **Color Mode** is set to anything but **Black and White**, the **Add/Delete Tone Curve Settings** dialog opens; when **Color Mode** is **Black and White**, the **Add/Delete Threshold Settings** dialog opens.



Enter **Setting Name** and click **Add**; the name appears in **Tone Curve Settings List** or **Threshold Settings List**. Click **Save** to save.

To delete an item, select it in **Tone Curve Settings List** or **Threshold Settings List** and click **Delete**. Click **Save** to save the settings displayed in **Tone Curve Settings List** or **Threshold Settings List**.

You can load and apply the saved tone curve/threshold settings to a preview image. To load the settings, select the saved item from the pop-up menu.

»» Note

- Save up to 20 items.

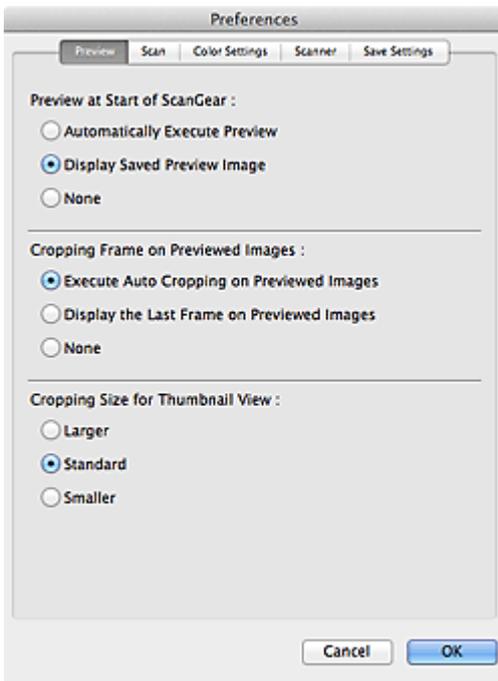
Defaults

Reset all adjustments (saturation/color balance, brightness/contrast, histogram, and tone curve).

Preferences Dialog

In the **Preferences** dialog, you can make advanced settings to ScanGear functions via the **Preview**, **Scan**, **Color Settings**, **Scanner**, and **Save Settings** tabs.

Click **Preferences...** in the ScanGear screen to open the **Preferences** dialog.



Preview Tab

Allows you to select what to do with Preview when ScanGear is started, how to display cropping frames after previewing images, and the cropping size for thumbnails of scanned documents.

Scan Tab

Allows you to select what to do with ScanGear after scanning and set the **Color Mode** (48 bit output) option for **Advanced Mode** tab.

Color Settings Tab

Allows you to select how to adjust color, and specify the monitor gamma value.

Scanner Tab

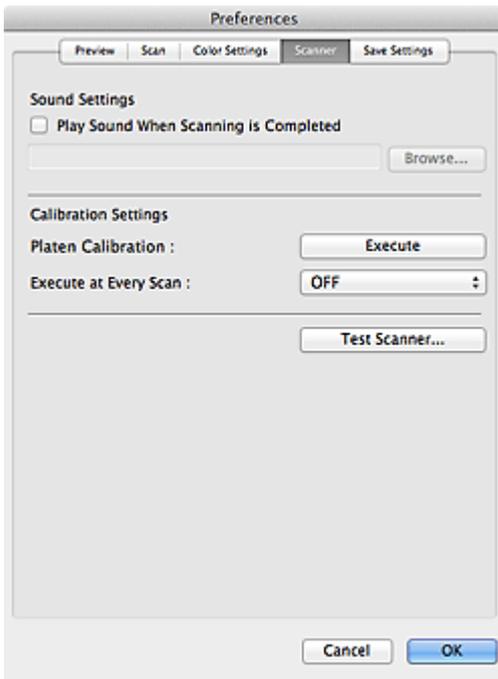
Allows you to set the quiet mode, specify the folder in which to save images temporarily, and set the music file to play at the end of a scan.

Save Settings Tab

Allows you to set the file names and save location for saving the scanned images to a computer.

Scanner Tab

On the **Scanner** tab, you can specify the following settings.



Sound Settings

You can set the machine to play music at the end of a scan.

Select the **Play Sound When Scanning is Completed** checkbox, then click **Browse...** and specify a sound file.

You can specify the following files.

- MIDI file (*.mid, *.midi)
- Audio file (*.wav, *.aif, *.aiff)
- MP3 file (*.mp3)

Calibration Settings

Platen Calibration

When you click **Execute**, calibration starts and the scanner will be adjusted to reproduce correct color tones in scanned images. Perform calibration when the color tones in the preview image are significantly different from the original item or when colors appear in white areas.

Execute at Every Scan

When you set to **ON**, the scanner will be calibrated every time before previewing and scanning, to reproduce correct color tones in scanned images.

▶▶▶ Note

- Even when **Execute at Every Scan** is set to **OFF**, the scanner may be calibrated automatically in some cases (such as immediately after you turn the machine on).

▶▶▶ Note

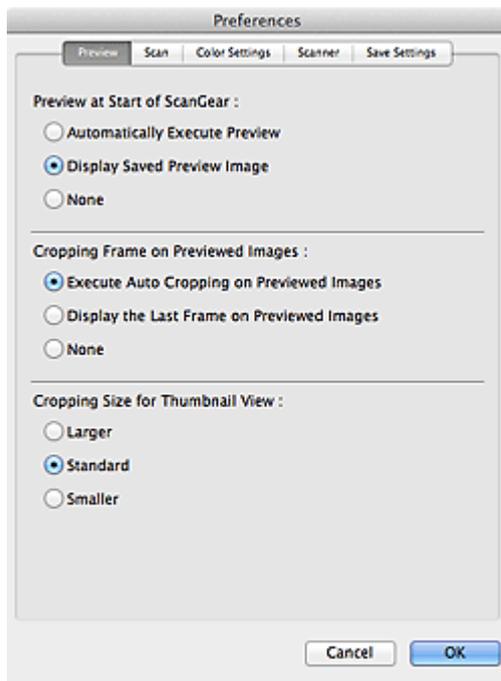
- Calibration may take time depending on your computer.

Test Scanner...

Opens the **Scanner Diagnostics** dialog from which you can run the scanner performance test. Click **Start** to start the diagnostics.

Preview Tab

On the **Preview** tab, you can specify the following settings.



Preview at Start of ScanGear

Select what to do with Preview when ScanGear is started.

Automatically Execute Preview

ScanGear will automatically start previewing at startup.

Display Saved Preview Image

The previously previewed image will be displayed.

The Color Adjustment Button settings, the Toolbar settings, and the **Advanced Mode** tab settings are also saved.

None

No preview image will be displayed at startup.

»» Note

- Select **None** if you do not want to save the preview image.

Cropping Frame on Previewed Images

Select how to display cropping frames after previewing images.

Execute Auto Cropping on Previewed Images

The cropping frame (scan area) will automatically be displayed in the document size after previewing.

Display the Last Frame on Previewed Images

A cropping frame of the same size as the last used cropping frame will be displayed after previewing.

None

No cropping frame will be displayed after previewing.

Cropping Size for Thumbnail View

Select the cropping size for thumbnails of scanned documents.

Larger

Displays 105 % (in width and height) of the area displayed for the standard size.

Standard

The standard size.

Smaller

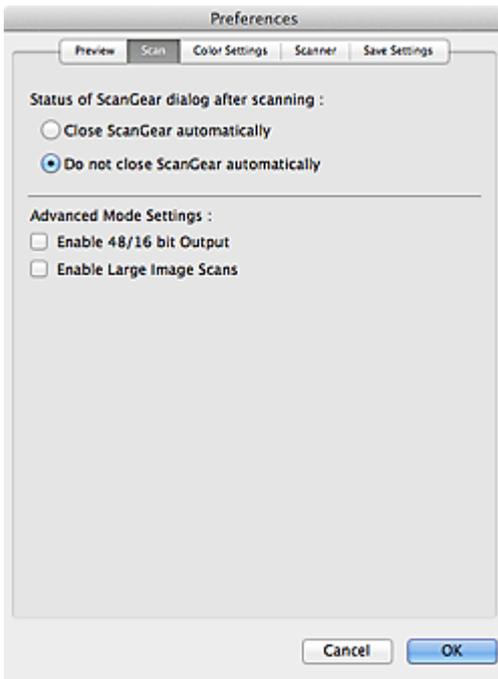
Displays 95 % (in width and height) of the area displayed for the standard size.

▶▶ Note

- When you change the **Cropping Size for Thumbnail View** setting, the preview images will be refreshed and cropped to the new size. As the preview images are refreshed, the color adjustments and other settings applied to them are reset.

Scan Tab

On the **Scan** tab, you can specify the following settings.



Status of ScanGear dialog after scanning

Select what to do with ScanGear after scanning images.

Close ScanGear automatically

Select this to close the ScanGear screen when scanning is completed.

Do not close ScanGear automatically

Select this to return to the ScanGear screen for another scan when scanning is completed.

Advanced Mode Settings

Enable 48/16 bit Output

Select this checkbox to display **Color(48bit)** in **Color Mode** on the **Advanced Mode** tab.

►►► Important

- Some applications cannot receive images scanned in **Color(48bit)** or may close when such images are received.

►►► Note

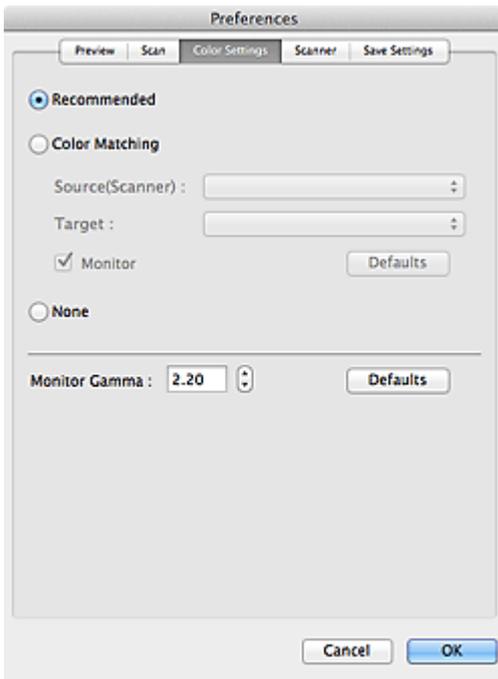
- When **Color(48bit)** is selected for **Color Mode**, deselecting this checkbox changes **Color(48bit)** to **Color**.
- When using a model supporting 16 bit output, **Grayscale(16bit)** appears in **Color Mode**.

Enable Large Image Scans

Select this checkbox to scan images up to 30000 pixels x 21000 pixels and 1.8 GB.

Color Settings Tab

On the **Color Settings** tab, you can specify the following settings.



Color Adjustment

Select one of the following.

Recommended

Select this to vividly reproduce the tone of a document on the screen. It is recommended that you normally select this setting.

Color Matching

Select this to automatically match the scanner, monitor, and color printer colors, thus reducing time and trouble to manually match the monitor and printer colors.

Source(Scanner)

Select scanner profile.

Target

Select target profile.

Monitor

Select this checkbox to display preview image with optimum correction for monitor.

Defaults

Returns to the default **Color Matching** settings.

►►► Note

- The Color Adjustment Buttons on the **Advanced Mode** tab are not available when you select **Color Matching**.
- This function is available when **Color Mode** is **Color** or **Color(48bit)**.

None

Select this to disable color correction provided by ScanGear.

»» Note

- You can select one when **Color Mode** is **Color**, **Color(48bit)**, or **Grayscale**.
- Color Matching is available when ScanGear, monitor, color management-compliant application (such as Adobe Photoshop), and printer are set up correctly.

Refer to the corresponding manual for the monitor, printer, and application settings.

Monitor Gamma

By setting the gamma value of a monitor, you can adjust the input data to the brightness characteristics of the monitor. Adjust the value if your monitor's gamma value does not match the default value set in ScanGear, and the colors of the original image are not accurately reflected in the monitor.

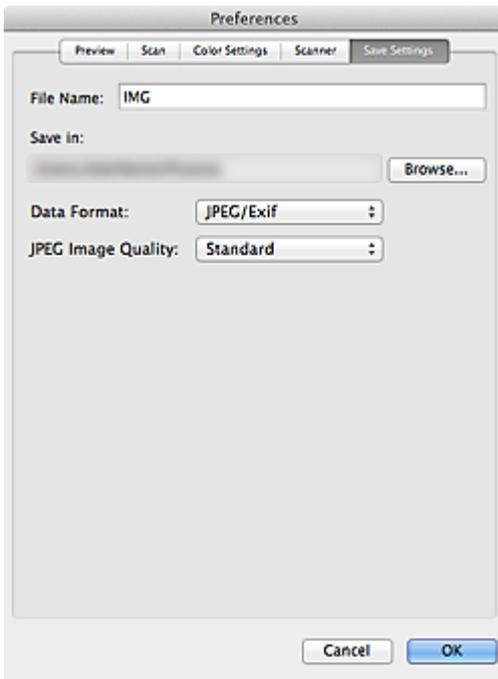
Click **Defaults** to return to the default Monitor Gamma value (2.20).

»» Note

- Refer to the manual of your monitor to check its gamma value. If it is not written in the manual, contact the manufacturer.

Save Settings Tab

On the **Save Settings** tab, you can specify the following settings.



File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by clicking **Browse...**. The default save folder is the **Pictures** folder.

Data Format

Select the data format in which to save the scanned images. You can select **JPEG/Exif** or **TIFF**.

JPEG Image Quality

You can specify the image quality of JPEG files.

»»» Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Placing Items (When Scanning from a Computer)

Learn how to place items on the platen of your scanner. Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.

▶▶▶ Important

- Do not place objects that weigh 4.4 lbs (2.0 kg) or more on the platen. Also, do not press on the item with a force exceeding 4.4 lbs (2.0 kg). If you press heavily, the scanner may not work correctly or you might break the glass.
- Close the document cover when scanning.
- When the scanner is placed upright, the item type may not be detected automatically. In that case, specify the item type and scan.

Placing Items

Place items as described below to scan by detecting the item type or size automatically.

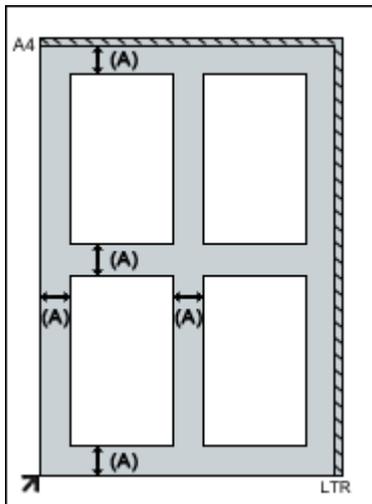
▶▶▶ Important

- When scanning by specifying the paper size, align an upper corner of the item with the corner at the arrow (alignment mark) of the platen.
- Photos that have been cut to various shapes and items smaller than 1.2 inches (3 cm) square cannot be cropped accurately when scanning.
- Reflective disc labels may not be scanned as expected.

For Photos, Postcards, Business Cards, or BD/DVD/CD	For Magazines, Newspapers, or Documents
<div data-bbox="220 1196 724 1323" data-label="Image"> </div> <p data-bbox="188 1373 440 1402">Placing a Single Item:</p> <p data-bbox="188 1422 807 1559">Place the item face-down on the platen, with 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen and the item. Portions placed on the diagonally striped area cannot be scanned.</p> <div data-bbox="188 1574 560 2078" data-label="Diagram"> </div>	<div data-bbox="916 1196 1299 1323" data-label="Image"> </div> <p data-bbox="831 1361 1409 1498">Place the item face-down on the platen and align an upper corner of the item with the corner at the arrow (alignment mark) of the platen. Portions placed on the diagonally striped area cannot be scanned.</p> <div data-bbox="831 1514 1203 2018" data-label="Diagram"> </div>

Placing Multiple Items:

Allow 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen and items, and between items. Portions placed on the diagonally striped area cannot be scanned.



(A) more than 0.4 inch (1 cm)

Note

- You can place up to 12 items.
- Positions of slanted items (10 degrees or less) are corrected automatically.

Important

- Refer to "Items You Can Place & How to Place Items" for your model from Home of the *Online Manual* for details on the portions in which items cannot be scanned.

Adjusting Cropping Frames (ScanGear)

"Cropping" is the act of selecting the area you want to keep in an image and discarding the rest when scanning it.

On the **Basic Mode** tab and **Advanced Mode** tab, you can specify cropping frames (scan areas) on the image(s) displayed in the Preview area of the screen.

When you perform a scan, each area specified with a cropping frame will be scanned as a separate image.

▶▶▶ Note

- In whole image view, you can specify multiple cropping frames on the preview image.
- Refer to "Adjusting Cropping Frames in the Image Stitch Window" for your model from Home of the *Online Manual* for how to adjust cropping frames with IJ Scan Utility.

Initial Cropping Frame

In thumbnail view:

No cropping frame is specified. You can drag the mouse over a thumbnail to specify a cropping frame.

In whole image view:

An active cropping frame is automatically specified around the preview image. You can drag the cropping frame in the Preview area to specify the area.

▶▶▶ Note

- You can change the auto crop setting in the **Preferences** dialog. Refer to **Cropping Frame on Previewed Images** in "[Preview Tab](#)" for details.

Cropping Frame Types



(1) Thick cropping frame (rotating or stationary)

Represents a selected cropping frame. Appears only in whole image view. You can select multiple cropping frames by clicking them while pressing the command key. Output size, image corrections, and other settings on the **Basic Mode** tab or **Advanced Mode** tab will be applied to all the selected cropping frames.

(2) Thin cropping frame

In thumbnail view:

Output size, image corrections, and other settings on the **Basic Mode** tab or **Advanced Mode** tab will be applied.

In whole image view:

Represents an unselected cropping frame. The settings on the **Basic Mode** tab or **Advanced Mode** tab will not be applied.

Adjusting a Cropping Frame

The cursor will change into  (Arrow) when it is positioned over a cropping frame. If you click and drag the mouse in the direction of the arrow, the cropping frame will expand or contract accordingly.



The cursor will change into  (Crosshair Arrow) when it is positioned within a cropping frame. Click and drag the mouse to move the entire cropping frame.



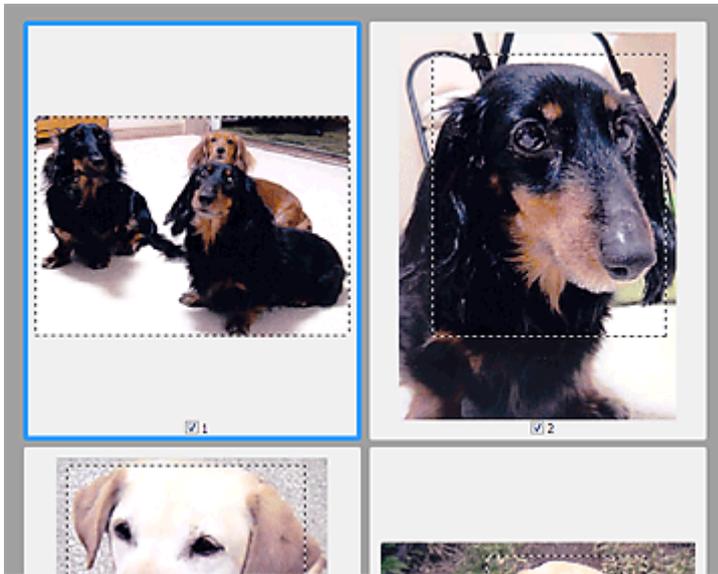
»» Note

- On the **Advanced Mode** tab, you can specify the cropping frame size by entering the values into  (Width) and  (Height) in [Input Settings](#).
- You can rotate a cropping frame 90 degrees by clicking  (Switch Aspect Ratio). However,  (Switch Aspect Ratio) is not available when **Output Size** is **Flexible**.

Creating Multiple Cropping Frames

In thumbnail view:

You can only create one cropping frame per image.



In whole image view:

Click and drag the mouse in a space outside the existing cropping frame in the Preview area. The new cropping frame will be the active cropping frame, and the old cropping frame will be the unselected cropping frame.



You can create multiple cropping frames and apply different scan settings to each cropping frame.

You can also select multiple cropping frames by clicking them while pressing the command key.

If you select multiple cropping frames and change the settings on a tab at the right of ScanGear, the settings will be applied to all the selected cropping frames.

When you create a new cropping frame, it retains the settings of the latest cropping frame.

►► Note

- Create up to 12 cropping frames.
- Scanning takes longer than usual when multiple cropping frames are selected.

Deleting Cropping Frames

In thumbnail view:

To delete a cropping frame, click an area outside the cropping frame on an image.

In whole image view:

To delete a cropping frame, select it and click  (Remove Cropping Frame) on the Toolbar. Alternatively, press the delete key.

When there are multiple cropping frames, all the selected cropping frames (active cropping frame and selected cropping frames) are deleted simultaneously.

General Notes (ScanGear)

ScanGear is subject to the following restrictions. Keep these points in mind when using it.

ScanGear Restrictions

- If the computer is shared among multiple users or when you have logged out and back on, a message indicating that the scanner driver is in use may appear. In that case, disconnect the USB cable from the computer, then reconnect it.
- Scanning may fail if the computer has resumed from sleep state with the ScanGear active. In that case, exit ScanGear. Disconnect the USB cable from the computer, then reconnect it.
- Do not connect two or more scanner or multifunction printers with scanner function to the same computer simultaneously. If multiple scanning devices are connected, you may experience errors while accessing the devices.
- Make sure that you have adequate disk space available when scanning large images at high resolutions. For example, at least 300 MB of free space is required to scan an A4 document at 600 dpi in full-color.
- Thick documents may not be cropped correctly when scanned. In that case, crop each item individually or crop manually.
- Do not enter the computer into sleep or hibernate state during scanning.
- Calibration may take time if the machine is connected via USB1.1.

Scanning with Scanner Driver

You can scan by starting the scanner driver from various applications.

Refer to Help of Mac OS for how to scan.

▶▶ Important

- When scanning with the scanner driver in Mac OS X v10.6.8, select **JPEG** or **TIFF** in **Format**. Scanned images are saved in the format set in **Data Format** in the [Settings \(Driver\) dialog](#) of IJ Scan Utility.

▶▶ Note

- Refer to "[Image Corrections and Color Adjustments](#)" for details on the setting procedures for image correction and color adjustment.
- Refer to "[General Notes \(Scanner Driver\)](#)" for the scanner driver.
- Refer to "[Updating the Scanner Driver](#)" for the scanner driver.
- In the [Settings \(Driver\) dialog](#) of IJ Scan Utility, you can also make advanced settings for scanning with the scanner driver.

Image Corrections and Color Adjustments

You can correct images and adjust colors using the scanner driver.

Important

- When image correction or color adjustment is applied to items without moire, dust/scratches, or faded colors, the color tone may be adversely affected.
- Image correction results are not reflected in the trial scan screen.

Note

- Screens may vary depending on the application.
- Selectable settings depend on **Kind** settings.
- Scanning may take longer than usual when image correction or color adjustment is applied.

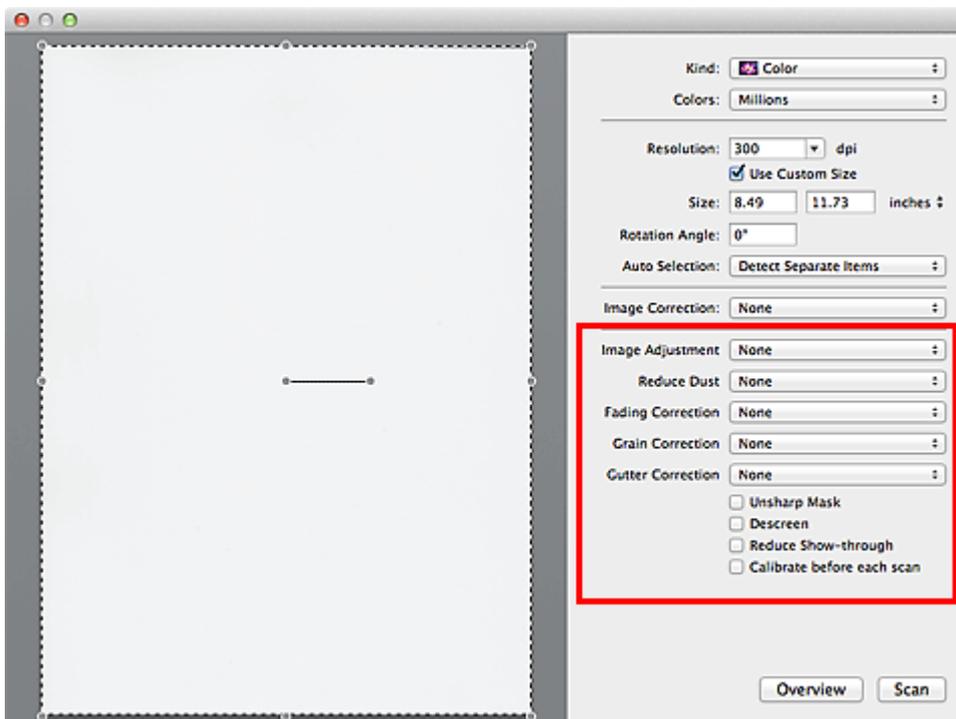


Image Adjustment

When Image Adjustment is set, the brightness of the specified portion of the image is optimized. Images can be adjusted according to the automatically detected item type or the specified item type. The result of the adjustment will be reflected in the entire image.

None

Image Adjustment will not be applied.

Auto

Applies Image Adjustment by automatically detecting the item type. It is recommended that you normally select this setting.

Photo

Applies Image Adjustment suitable for photos.

Magazine

Applies Image Adjustment suitable for magazines.

Document

Applies Image Adjustment suitable for text documents.

»» Note

- If the image is not adjusted properly with **Auto**, specify the item type.
- The color tone may change from the source image due to the Image Adjustment. In that case, set **Image Adjustment** to **None**.

Reduce Dust

Scanned photos may contain white dots caused by dust or scratches. Use this function to reduce such noise.

None

Dust and scratches will not be reduced.

Low

Select this to reduce small dust particles and scratches. Large ones may remain.

Medium

It is recommended that you normally select this setting.

High

Select this to reduce large dust particles and scratches; however, evidence of the reduction process may remain or delicate parts of the image may be removed.

»» Important

- This function may not be effective for some types of photos.

»» Note

- It is recommended that you select **None** when scanning printed materials.

Fading Correction

Use this function to correct photos that have faded with time or have a colorcast. "Colorcast" is a phenomenon where a specific color affects the entire picture due to the weather or ambient strong colors.

None

Fading Correction will not be applied.

Low

Select this to correct a small amount of fading and colorcast.

Medium

It is recommended that you normally select this setting.

High

Select this to correct a large amount of fading and colorcast. This can affect the tone of the image.

»» Important

- Correction may not be applied properly if the scan area is too small.
- Not effective if **Color** is not selected for **Kind**.

Grain Correction

Use this function to reduce graininess (roughness) in photos taken with high-speed or sensitized film, etc.

None

Graininess will not be reduced.

Low

Select this when the photo is slightly grainy.

Medium

It is recommended that you normally select this setting.

High

Select this when the photo is very grainy. This can affect the gradation and sharpness of the image.

»» Important

- Correction may not be applied properly if the scan area is too small.

Gutter Correction

Use this function to correct shadows that appear between pages when scanning open booklets.

Unclear or blurred text/lines caused by curved pages are not corrected.

None

Gutter shadow will not be corrected.

Low

Select this when the effect level is too strong with the medium setting.

Medium

It is recommended that you normally select this setting.

High

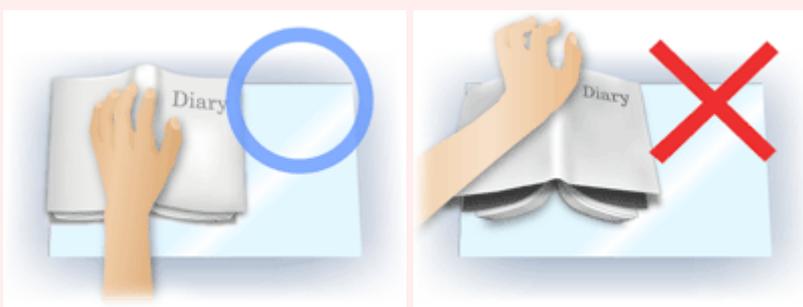
Select this when the effect level is too weak with the medium setting.

»» Important

- Do not place objects that weigh 4.4 lbs (2.0 kg) or more on the platen. In addition, do not press on the item with a force exceeding 4.4 lbs (2.0 kg). If you press heavily, the scanner may not work correctly or you might break the glass.
- Align the item with the edge of the platen. If placed slanted, correction will not be applied properly.



- Correction may not be applied properly depending on the item. If the page background is not white, shadows may not be detected correctly or may not be detected at all.
- While scanning, press down on the spine with the same amount of pressure you used to preview the scan. If the binding part is not even, correction will not be applied properly.



- How to place the item depends on your model and the item to be scanned.

Unsharp Mask

Emphasizes the outline of the subjects to sharpen the image.

Descreen

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

»»» Important

- When enabling **Descreen**, disable **Unsharp Mask**. If **Unsharp Mask** is enabled, some moire effects may remain.

»»» Note

- Scanning takes longer than usual when you enable **Descreen**.

Reduce Show-through

Use this function to reduce show-through in duplex documents or lighten the base color in recycled paper and other colored paper when scanning documents.

»»» Important

- **Reduce Show-through** is effective only when **Document** or **Magazine** is selected for **Image Adjustment**.

Calibrate before each scan

Calibrates the scanner every time before trial scanning and scanning, to reproduce correct color tones in scanned images.

»»» Note

- Calibration may take time depending on your computer.

General Notes (Scanner Driver)

The scanner driver is subject to the following restrictions. Keep these points in mind when using the scanner driver.

Scanner Driver Restrictions

- If the computer is shared among multiple users or when you have logged out and back on, a message indicating that the scanner driver is in use may appear. In that case, disconnect the USB cable from the computer, then reconnect it.
- Scanning may fail if the computer has resumed from sleep state with the scanner driver active. In that case, exit the scanner driver. Disconnect the USB cable from the computer, then reconnect it.
- Do not connect two or more scanners or multifunction printers with scanner function to the same computer simultaneously. If multiple scanning devices are connected, you cannot scan using the scanner buttons of the machine and also may experience errors while accessing the devices.
- Make sure that you have adequate disk space available when scanning large images at high resolutions. For example, at least 300 MB of free space is required to scan an A4 document at 600 dpi in full-color.
- Thick items may not be cropped correctly when scanned. In that case, crop each item individually or crop manually.
- Do not enter the computer into sleep or hibernate state during scanning.
- Calibration may take time if the machine is connected via USB1.1.
- Scanning may continue after scanning is completed when a scanner button on the machine is continuously pressed.

Updating the Scanner Driver

- **Obtaining the Latest Scanner Driver**
- **Before Installing the Scanner Driver**
- **Installing the Scanner Driver**

Obtaining the Latest Scanner Driver

Upgrading your current scanner driver to the latest scanner driver may solve some problems you have experienced.

To obtain the scanner driver, access our website and download the scanner driver for your model.

Important

- Scanner driver can be downloaded for free; however, Internet connection fees apply.

Related Topic

- [Before Installing the Scanner Driver](#)
- [Installing the Scanner Driver](#)

Before Installing the Scanner Driver

Check the following points before installing the scanner driver. Check these also when you cannot install the scanner driver.

Machine Status

- If the machine and computer are connected with a USB cable, disconnect the USB cable from the computer.

Computer Settings

- Close all running applications.
- Log in as the administrator of the computer. You will be required to enter the name and password of the user with administrator privileges. If you have multiple user accounts on Mac OS X, log in with the first administrator account created.

►► Important

- If you install an older version of the scanner driver after installing a newer one, the scanner driver may not operate properly. In that case, reinstall the newer scanner driver.

►► Note

- When installing multiple versions of the scanner driver, install the older scanner driver first.

Related Topic

- [Obtaining the Latest Scanner Driver](#)
- [Installing the Scanner Driver](#)

Installing the Scanner Driver

Access our website via the Internet to download the latest scanner driver.

Follow these steps to install the downloaded scanner driver.

1. Mount the disk.

Double-click the downloaded disk image file.

The file is decompressed and the disk is mounted.

2. Start the installer.

Double-click the ".pkg" file in the decompressed disk.

Installation starts.

3. Install the driver.

Follow the prompts to install.

When the license agreement screen appears, read the terms and click **Continue**. If you do not accept the license agreement, you cannot install this software.

If an authentication screen appears, enter the administrator's name and password, then click **Install Software**.

4. Complete the installation.

The scanner driver is installed.

Important

- Installation may fail if you click **Go Back** during the process. In that case, select **Quit Installer** from the **Installer** menu to exit the installer, then start over the installation.
- Scanner driver can be downloaded for free; however, Internet connection fees apply.

Related Topic

■ [Obtaining the Latest Scanner Driver](#)

■ [Before Installing the Scanner Driver](#)

Useful Information on Scanning

- ▶ [Adjusting Cropping Frames in the Image Stitch Window](#)
- ▶ [Resolution](#)
- ▶ [Data Formats](#)

Adjusting Cropping Frames in the Image Stitch Window

"Cropping" is the act of selecting the area you want to keep in an image and discarding the rest when scanning it.

In the **Image Stitch** window, you can specify a cropping frame on the image displayed in the Preview area.

▶▶▶ Note

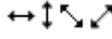
- Refer to Help of Image Capture for how to adjust the cropping frames (selection boxes) in the screen displayed by clicking **Driver** in the IJ Scan Utility main screen.

Initial Cropping Frame

No cropping frame is specified. When you select the **Adjust cropping frames** checkbox, an active cropping frame is automatically specified around the image in the Preview area. You can drag the cropping frame to specify the area.

When you perform a scan, the image in the area specified with the cropping frame will be scanned.

Adjusting a Cropping Frame

The cursor will change into  (Arrow) when it is positioned over a cropping frame. Click and drag the mouse to expand or contract the cropping frame.



The cursor will change into  (Hand) when it is positioned within a cropping frame. Click and drag the mouse to move the entire cropping frame.



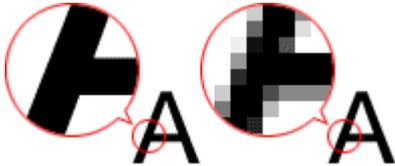
Deleting Cropping Frames

To delete the cropping frame, deselect the **Adjust cropping frames** checkbox.

Resolution

The data in the image you have scanned is a collection of dots carrying information about brightness and color. The density of these dots is called "resolution", and resolution will determine the amount of detail your image contains. The unit of resolution is dots per inch (dpi). Dpi is the number of dots per inch (2.5 cm).

The higher the resolution (value), the more detail in your image; the lower the resolution (value), the less detail.



How to Set the Resolution

You can set the resolution in **Resolution** on the  (Scanning from a Computer) tab or **Resolution** on the  (Scanning Using the Scanner Buttons) tab of the Settings dialog.

Appropriate Resolution Settings

Set the resolution according to the use of the scanned image.

Item Type	Use	Color Mode	Appropriate Resolution
Color photo	Copying (Printing)	Color	300 dpi
	Creating a postcard	Color	300 dpi
	Saving to a computer	Color	300 dpi
	Using on a website or attaching to e-mail	Color	150 dpi
Black and white photo	Saving to a computer	Grayscale	300 dpi
	Using on a website or attaching to e-mail	Grayscale	150 dpi
Text document (document or magazine)	Copying	Color, Grayscale, or Black and White	300 dpi
	Attaching to e-mail	Color, Grayscale, or Black and White	150 dpi
	Scanning text using OCR	Color or Grayscale	300 dpi

►►► Important

- If you double the resolution, the data size of the scanned image quadruples. If the file is too large, the processing speed will slow down significantly, and you will experience inconvenience such as lack of memory. Set the minimum required resolution according to the use of the image.

»» Note

- When you will be printing the scanned image by enlarging it, scan by setting a higher resolution than the recommended one above.

Data Formats

You can select a data format when saving scanned images. You should specify the most suitable data format according to how you want to use the image on which application.

Available data formats vary by application and operating system (Windows or Mac OS).

See below for the characteristics of each image data format.

PNG (Standard File Extension: .png)

A data format often used on websites.

PNG is suitable for editing saved images.

JPEG (Standard File Extension: .jpg)

A data format often used on websites and for digital camera images.

JPEG features high compression rates. JPEG images slightly degrade every time they are saved, and cannot be returned to their original state.

JPEG is not available for black and white images.

TIFF (Standard File Extension: .tif)

A data format featuring a relatively high compatibility between various computers and applications.

TIFF is suitable for editing saved images.

»» Note

- Some TIFF files are incompatible.
- IJ Scan Utility supports the following TIFF file formats.
 - Uncompressed, black and white binary
 - Uncompressed, RGB (8 bits per channel)
 - Uncompressed, RGB (16 bits per channel)
 - Uncompressed, Grayscale

PDF (Standard File Extension: .pdf)

A data format for electronic documents, developed by Adobe Systems Incorporated.

It can be used on various computers and operating systems, and fonts can be embedded as well; therefore, people in different environments can exchange the files without being aware of the differences.

Placing Items (When Scanning from a Computer)

Learn how to place items on the platen of your scanner. Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.

Important

- Do not place objects that weigh 4.4 lbs (2.0 kg) or more on the platen. Also, do not press on the item with a force exceeding 4.4 lbs (2.0 kg). If you press heavily, the scanner may not work correctly or you might break the glass.
- Close the document cover when scanning.

Placing Items

Place items as described below to scan by detecting the item type or size automatically.

Important

- When scanning by specifying the paper size in IJ Scan Utility or the scanner driver, align an upper corner of the item with the corner at the arrow (alignment mark) of the platen.
- Photos that have been cut to various shapes and items smaller than 1.2 inches (3 cm) square cannot be cropped accurately when scanning.
- Reflective disc labels may not be scanned as expected.
- When scanned using the scanner driver, the response may differ. In that case, adjust the cropping frame (selection box) manually.

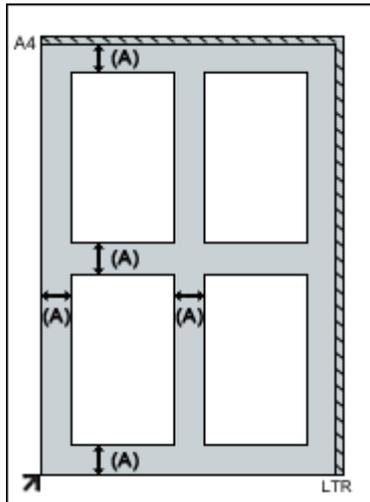
For Photos, Postcards, Business Cards, or BD/DVD/CD	For Magazines, Newspapers, or Documents
<div data-bbox="220 1160 724 1285" data-label="Image"> </div> <p data-bbox="188 1339 440 1368">Placing a Single Item:</p> <p data-bbox="188 1386 804 1523">Place the item face-down on the platen, with 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen and the item. Portions placed on the diagonally striped area cannot be scanned.</p> <div data-bbox="188 1541 560 2042" data-label="Diagram"> </div>	<div data-bbox="927 1160 1305 1285" data-label="Image"> </div> <p data-bbox="839 1328 1422 1464">Place the item face-down on the platen and align an upper corner of the item with the corner at the arrow (alignment mark) of the platen. Portions placed on the diagonally striped area cannot be scanned.</p> <div data-bbox="839 1480 1211 1982" data-label="Diagram"> </div>

▶▶▶ Important

- Large items (such as A4 size photos) that cannot be placed away from the edges/arrow (alignment mark) of the platen may be saved as PDF files. To save in a format other than PDF, scan by specifying the data format.

Placing Multiple Items:

Allow 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen and items, and between items. Portions placed on the diagonally striped area cannot be scanned.



(A) more than 0.4 inch (1 cm)

▶▶▶ Note

- In IJ Scan Utility, you can place up to 12 items.
- Positions of slanted items (10 degrees or less) are corrected automatically.

▶▶▶ Important

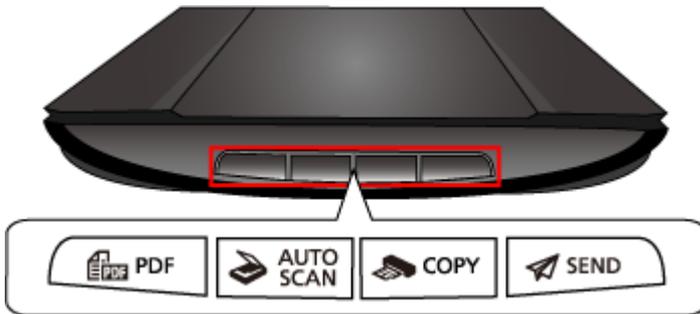
- Refer to "[Items You Can Place & How to Place Items](#)" for details on the portions in which items cannot be scanned.

Scanning Using the Scanner Buttons

- ▶ **What Are Scanner Buttons?**
- ▶ **Scanning Items and Saving the Scanned Images (AUTO SCAN Button)**
- ▶ **Scanning and Saving Items as PDF Files (PDF Buttons)**
- ▶ **Scanning and Printing/Copying Items (COPY Button)**
- ▶ **Scanning Items and Sending the Scanned Images (SEND Button)**
- ▶ **Scanner Button Settings via IJ Scan Utility**

What Are Scanner Buttons?

The four buttons on the scanner are referred to as scanner buttons. You can create PDF files, print items, send images, etc. by simply placing the item on the platen and pressing a scanner button.



PDF Button

Scans items and easily creates PDF files, then saves them.

AUTO SCAN Button

Detects the item type automatically and saves them to a computer.

COPY Button

Scans items and prints them on a printer.

SEND Button

Scans items and attaches the scanned images to an e-mail or sends them to an application.

Note

- You can specify how IJ Scan Utility responds when the scanner buttons are pressed.
 - [Scanner Button Settings via IJ Scan Utility](#)
- The default save folder is the **Pictures** folder.

Scanning and Saving Items as PDF Files (PDF Buttons)

You can save scanned images as PDF files.

1. Place the item on the platen.

■ [Placing Items \(When Scanning from a Computer\)](#)

2. Press PDF button.

Scanning starts.

The scanned images are automatically saved as PDF files.

Scanning Items and Saving the Scanned Images (AUTO SCAN Button)

You can scan items by automatically detecting the item type and save them to a computer.

1. Place the item on the platen.

■ [Placing Items \(When Scanning from a Computer\)](#)

2. Press the **AUTO SCAN** button.

Scanning starts.

▶▶ Note

- Scanned images are saved in the folder set for **Save in** in the **Settings (AUTO SCAN)** dialog displayed by clicking **Settings....** In the **Settings (AUTO SCAN)** dialog, you can also make advanced scan settings.

Scanning and Printing/Copying Items (COPY Button)

You can scan items and print them on a printer.

▶▶ Note

- Prepare the printer when printing with the **COPY** button. Refer to the manual of your printer to prepare it.

1. Place the item on the platen.

■ [Placing Items \(When Scanning from a Computer\)](#)

2. Press the **COPY** button.

Scanning starts. The scanned image is printed on a printer.

Scanning Items and Sending the Scanned Images (SEND Button)

You can attach scanned images to an e-mail, or send the images to compatible applications.

1. Place the item on the platen.

■ [Placing Items \(When Scanning from a Computer\)](#)

2. Press the **SEND** button.

Scanning starts. The scanned image is attached to a new message, or sent to compatible applications.

Scanner Button Settings via IJ Scan Utility

IJ Scan Utility allows you to specify how to respond when scanning using the scanner buttons.

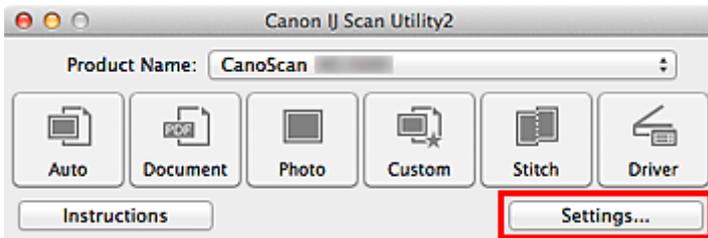
▶▶▶ Note

- The screens for specifying the **AUTO SCAN** button responses are used as examples in the following descriptions.

1. Start IJ Scan Utility.

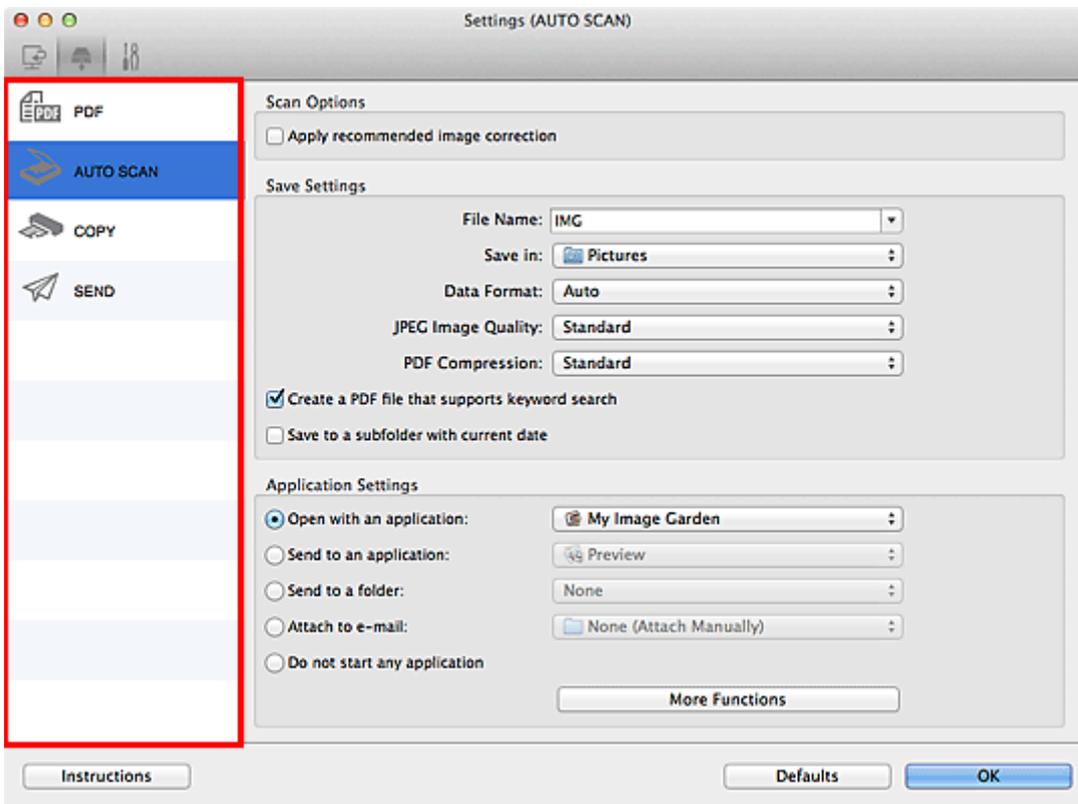
■ [Starting IJ Scan Utility](#)

2. Click **Settings....**



The Settings dialog appears.

3. Select the  (Scanning Using the Scanner Buttons) tab.



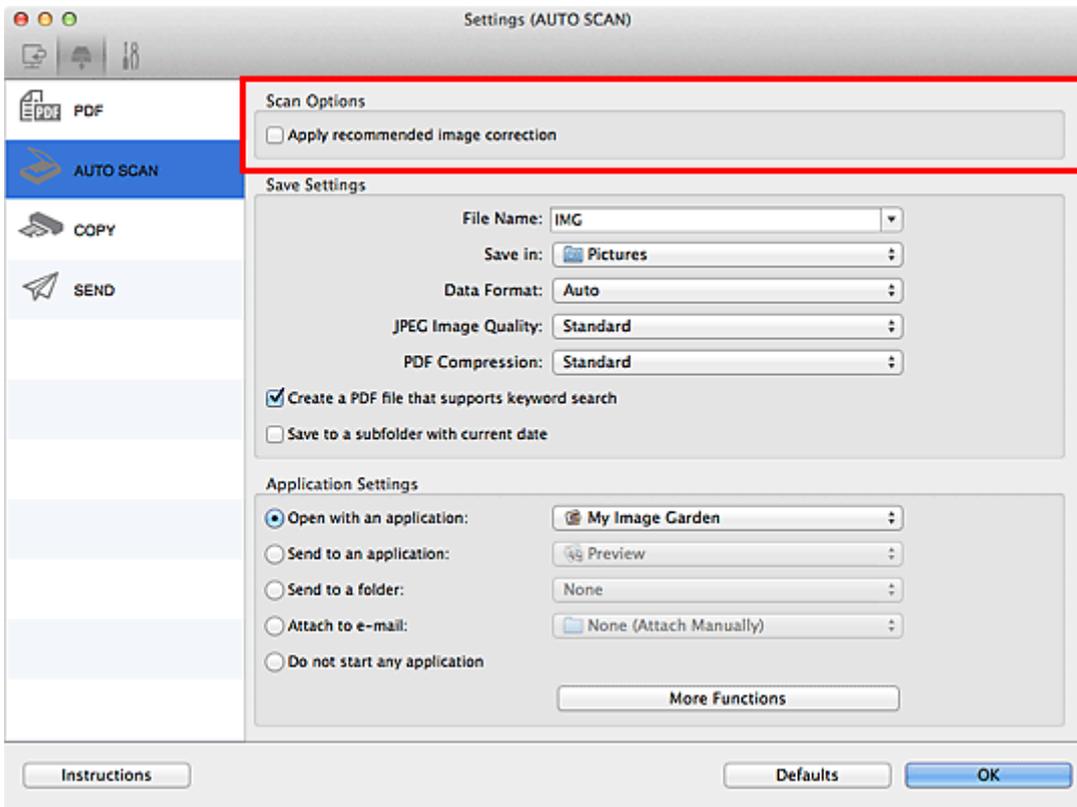
▶▶▶ Note

- Refer to the following for details.

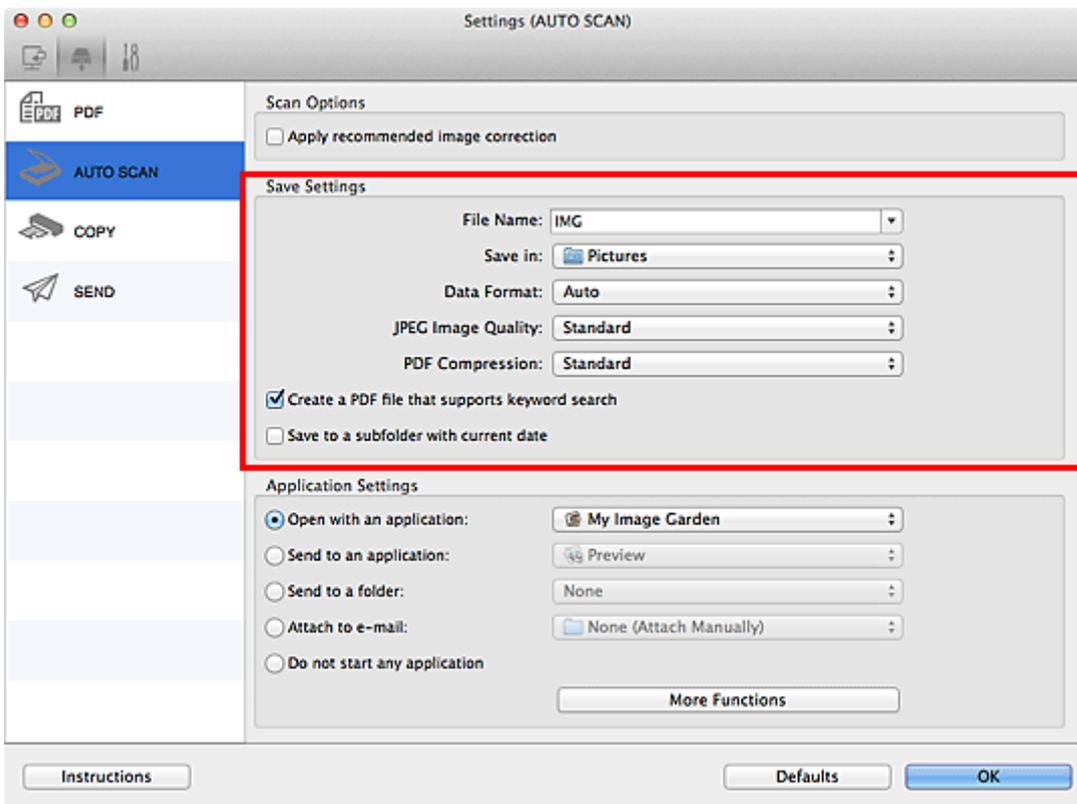
■ [Settings \(AUTO SCAN\) Dialog](#)

- [Settings \(PDF\) Dialog](#)
- [Settings \(COPY\) Dialog](#)
- [Settings \(SEND\) Dialog](#)

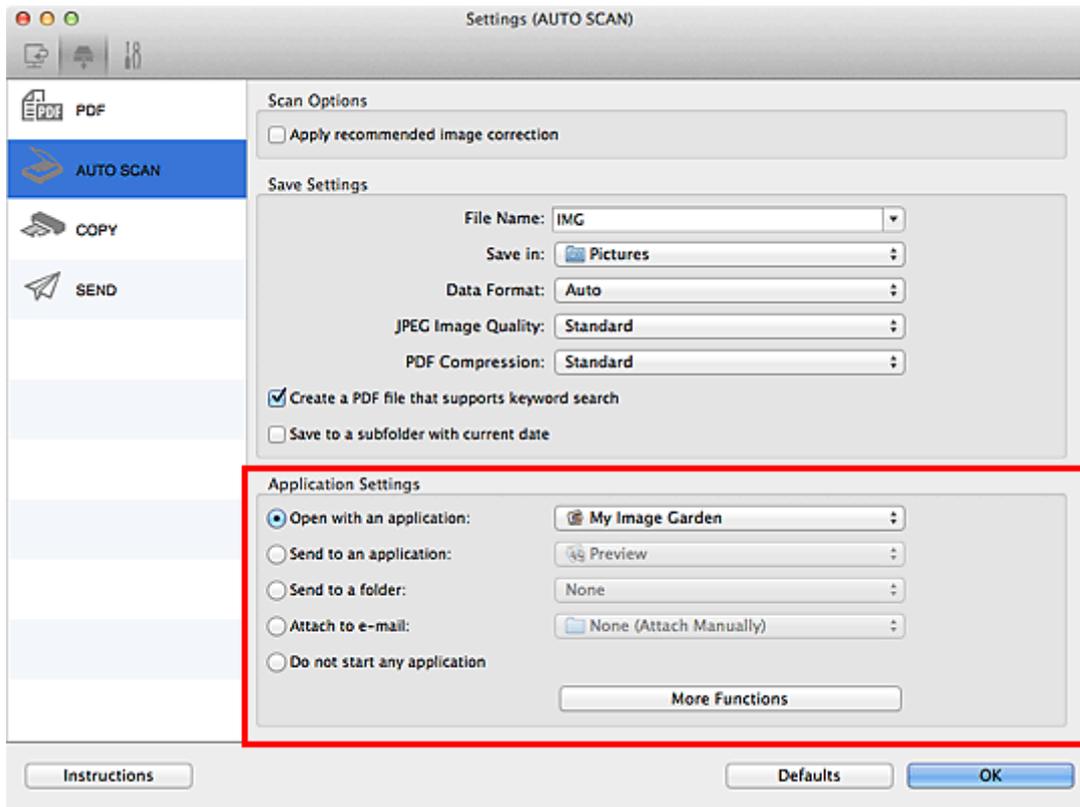
4. Set Scan Options.



5. Specify the file name and other settings in **Save Settings**.



6. Select the application you want to start after scanning in **Application Settings**.



7. Click **OK**.

The responses will be executed according to the specified settings when you start scanning using the scanner buttons.

Troubleshooting

Search Each Function

- ▶ [Problems with Scanning](#)
- ▶ [Problems with Installation/Downloading](#)

Problems with Scanning

- **Problems with Scanning**
- **Scan Results Not Satisfactory**

Problems with Scanning

- **Error Message "Release the lock switch..." Is Displayed**
- **Scanner Does Not Work**
- **Scanner Driver Does Not Start**
- **Error Message Appears and the Scanner Driver Screen Does Not Appear**
- **Scanner Buttons Do Not Work**
- **When a Scanner Button Is Pressed, an Unexpected Application Starts**
- **Cannot Scan Multiple Items at One Time**
- **Cannot Scan Properly with Auto Scan**
- **Slow Scanning Speed**
- **"There is not enough memory." Message Is Displayed**
- **Computer Stops Operating during Scanning**
- **Scanned Image Does Not Open**
- **Position or Size of the Image Cannot be Detected Correctly When Scanning Using the Scanner Buttons**

Error Message "Release the lock switch..." Is Displayed

Check The scanner may be locked.

Exit the application, then unlock the scanner, and then reconnect the USB cable.

Refer to the printed manual: *Getting Started* for how to unlock the scanner.

Scanner Does Not Work

Check 1 Connect the USB cable to a different USB port on the computer.

Check 2 If the USB cable is connected to a USB hub, remove it from the USB hub and connect it to a USB port on the computer.

Check 3 Restart the computer.

Scanner Driver Does Not Start

Check 1 Make sure that the scanner driver is installed.

If not installed, install the scanner driver from the web page.

Check 2 Select your scanner on the application's menu.

»» Note

- The operation may differ depending on the application.

Check 3 Make sure that the application supports the ICA (Image Capture Architecture) driver.

You cannot start the scanner driver from applications not supporting the ICA driver.

Check 4 Scan and save images with IJ Scan Utility and open the files in your application.

Error Message Appears and the Scanner Driver Screen Does Not Appear

Check 1 Connect the USB cable to a different USB port on the computer.

Check 2 If the USB cable is connected to a USB hub, remove it from the USB hub and connect it to a USB port on the computer.

Check 3 Make sure that the scanner driver is installed.

If not installed, install the scanner driver from the web page.

Check 4 Your scanner may be locked.

Close the running software program. Slide the scanner lock switch to the release position (), then reconnect the USB cable.

Check 5 Select your scanner on the application's menu.

Note

- The operation may differ depending on the application.

Check 6 Make sure that the application supports the ICA driver.

You cannot start the scanner driver from applications not supporting the ICA driver.

Check 7 Exit the scanner driver if it is running on another application.

Scanner Buttons Do Not Work

Check 1 Reinstall the required applications from the web page.

Check 2 To use the **COPY** button, install the printer driver for your printer.

Check 3 To use the **COPY** button, check that your printer operates properly.

Check 4 To use the **SEND** button, install a compatible application or e-mail client.

Check 5 Did you restart the computer after installing applications (such as IJ Scan Utility)?

To scan using the scanner buttons, restart the computer after installing applications.

When a Scanner Button Is Pressed, an Unexpected Application Starts

Check Change the IJ Scan Utility settings.

Applications that correspond with the scanner buttons are managed by IJ Scan Utility. To change the assigned applications, click **Settings...** in the IJ Scan Utility main screen and change **Application Settings** on the (Scanning Using the Scanner Buttons) tab of the Settings dialog. Refer to the following pages for details. 

- [Settings \(AUTO SCAN\) Dialog](#)
- [Settings \(PDF\) Dialog](#)
- [Settings \(COPY\) Dialog](#)
- [Settings \(SEND\) Dialog](#)

Cannot Scan Multiple Items at One Time

Check 1 Make sure that the items are placed correctly.

■ [Placing Items \(When Scanning from a Computer\)](#)

Check 2 Check if you can properly scan one item.

Some applications do not support multiple image scanning. In that case, scan each item individually.

Cannot Scan Properly with Auto Scan

Check 1 Make sure that the items are placed correctly.

■ [Placing Items \(When Scanning from a Computer\)](#)

Check 2 Multiple items scanning may not be supported.

Some applications do not support multiple image scanning. In that case, scan each item individually.

Slow Scanning Speed

Check 1 To view the image on a monitor, set the output resolution to around 150 dpi. To print, set it to around 300 dpi.

- [Resolution](#)

Check 2 Set **Fading Correction**, **Grain Correction**, etc. to **None**.

Refer to "[Image Corrections and Color Adjustments](#)" for details.

Check 3 In IJ Scan Utility, deselect the **Correct slanted text document / Detect the orientation of text document and rotate image** checkbox and scan again.

- [Settings \(Document Scan\) Dialog](#)

- [Settings \(Custom Scan\) Dialog](#)

- [Settings \(PDF\) Dialog](#)

- [Settings \(SEND\) Dialog](#)

"There is not enough memory." Message Is Displayed

Check 1 Exit other applications and try again.

Check 2 Reduce the resolution or output size and scan again.

■ [Resolution](#)

Computer Stops Operating during Scanning

Check 1 Restart the computer, reduce the output resolution and scan again.

■ [Resolution](#)

Check 2 Delete unnecessary files to obtain sufficient free hard disk space, then scan again.

Error message may appear if there is not enough hard disk space to scan and save, when the image size is too large (such as when scanning a large item at high resolution).

Check 3 In **Folder to Save Temporary Files** of IJ Scan Utility, specify a folder on a drive with sufficient free space.

■ [Settings \(General Settings\) Dialog](#)

Check 4 Multiple devices may be connected to USB ports.

Disconnect devices other than your scanner.

Scanned Image Does Not Open

Check If the data format is not supported by the application, scan the image again and select a popular data format such as JPEG when saving it.

Refer to the application's manual for details. If you have any questions, contact the manufacturer of the application.

Position or Size of the Image Cannot be Detected Correctly When Scanning Using the Scanner Buttons

Check 1 Make sure that the items are placed correctly.

■ [Placing Items \(When Scanning from a Computer\)](#)

Check 2 Check that the settings match the item to be scanned.

If you cannot scan properly using the **AUTO SCAN** button, specify the item type in IJ Scan Utility and scan again.

■ [Scanning Photos](#)

■ [Scanning Documents](#)

■ [Scanning with Favorite Settings](#)

Scan Results Not Satisfactory

- **Scan Quality (Image Displayed on the Monitor) Is Poor**
- **Scanned Image Is Surrounded by Extra White Areas**
- **Cannot Scan at the Correct Size**
- **Item Is Placed Correctly, but the Scanned Image Is Slanted**
- **Scanned Image Is Enlarged (Reduced) on the Computer Monitor**

Scan Quality (Image Displayed on the Monitor) Is Poor

Check 1 Increase the scanning resolution if the image is jagged.

■ [Resolution](#)

Check 2 Set the display size to 100 %.

Some applications do not display images clearly if the display size is too small.

Check 3 If moire (stripe pattern) appears, take the following measures and scan again.

- Set one of the following settings in the **Settings (Document Scan)** dialog, **Settings (Custom Scan)** dialog, **Settings (Scan and Stitch)** dialog, **Settings (COPY)** dialog or **Settings (SEND)** dialog of IJ Scan Utility, then scan from the IJ Scan Utility main screen.
 - Set **Select Source** to **Magazine** and set **Color Mode** to **Color**
 - Select the **Reduce moire** checkbox in **Image Processing Settings**
- [Settings \(Document Scan\) Dialog](#)
- [Settings \(Custom Scan\) Dialog](#)
- [Settings \(Scan and Stitch\) Dialog](#)
- [Settings \(COPY\) Dialog](#)
- [Settings \(SEND\) Dialog](#)
- Click **Driver** in the IJ Scan Utility main screen, then set one of the following settings.
 - Select **Magazine** for **Image Adjustment**
 - Select the **Descreen** checkbox

Refer to "[Image Corrections and Color Adjustments](#)" for details.

▶▶▶ Note

- If moire appears when you scan a digital print photo, take the above measures and scan again.

Check 4 Clean the platen and document cover.

Clean the platen and document cover of the scanner, while taking care not to press the platen heavily.

■ [Maintenance](#)

Check 5 If the item is in poor condition (dirty, faded, etc.), click **Driver** in the IJ Scan Utility main screen, then set **Reduce Dust**, **Fading Correction**, **Grain Correction**, etc.

Refer to "[Image Corrections and Color Adjustments](#)" for details.

Check 6 If the color tone of images is different from the original document, take the following measures and scan again.

Click **Driver** in the IJ Scan Utility main screen, then set **Image Adjustment** to **None**.

Refer to "[Image Corrections and Color Adjustments](#)" for details.

Check 7 Cover your scanner with black cloth if white spots, streaks, or colored patterns appear in scan results due to interference from ambient light.

Scanned Image Is Surrounded by Extra White Areas

Check Specify the scan area.

Manually specify the scan area when there are white margins or unwanted areas along the edges of the scanned images in the **Image Stitch** window.

■ [Adjusting Cropping Frames in the Image Stitch Window](#)

Cannot Scan at the Correct Size

Check Make sure that the items are placed correctly.

■ [Placing Items \(When Scanning from a Computer\)](#)

Item Is Placed Correctly, but the Scanned Image Is Slanted

Check When **Document** or **Magazine** is selected for **Select Source**, deselect the **Correct slanted text document** checkbox and scan the item again.

■ [Settings \(Document Scan\) Dialog](#)

■ [Settings \(Custom Scan\) Dialog](#)

■ [Settings \(PDF\) Dialog](#)

■ [Settings \(SEND\) Dialog](#)

Scanned Image Is Enlarged (Reduced) on the Computer Monitor

Check 1 Change the display setting in the application.

Refer to the application's manual for details. If you have any questions, contact the manufacturer of the application.

Check 2 Click **Driver** in the IJ Scan Utility main screen, then change the resolution setting and scan again.

The higher the resolution, the larger the resulting image will be.

■ [Resolution](#)

Problems with Installation/Downloading

- **Cannot Install the MP Drivers**
- **Installation Is Unsuccessful (Insufficient Free Hard Disk Space)**
- **Installation Is Unsuccessful (Insufficient Memory)**
- **About Inkjet Printer/Scanner/Fax Extended Survey Program**

Cannot Install the Scanner Driver

Reinstall the Scanner Driver.

If you reinstall the Scanner Driver, install the drivers from our website.

Installation Is Unsuccessful (Insufficient Free Hard Disk Space)

Check Delete unnecessary files to obtain sufficient free hard disk space, then try again.

- Delete unnecessary files, then click the Finder menu and select **Empty Trash....**

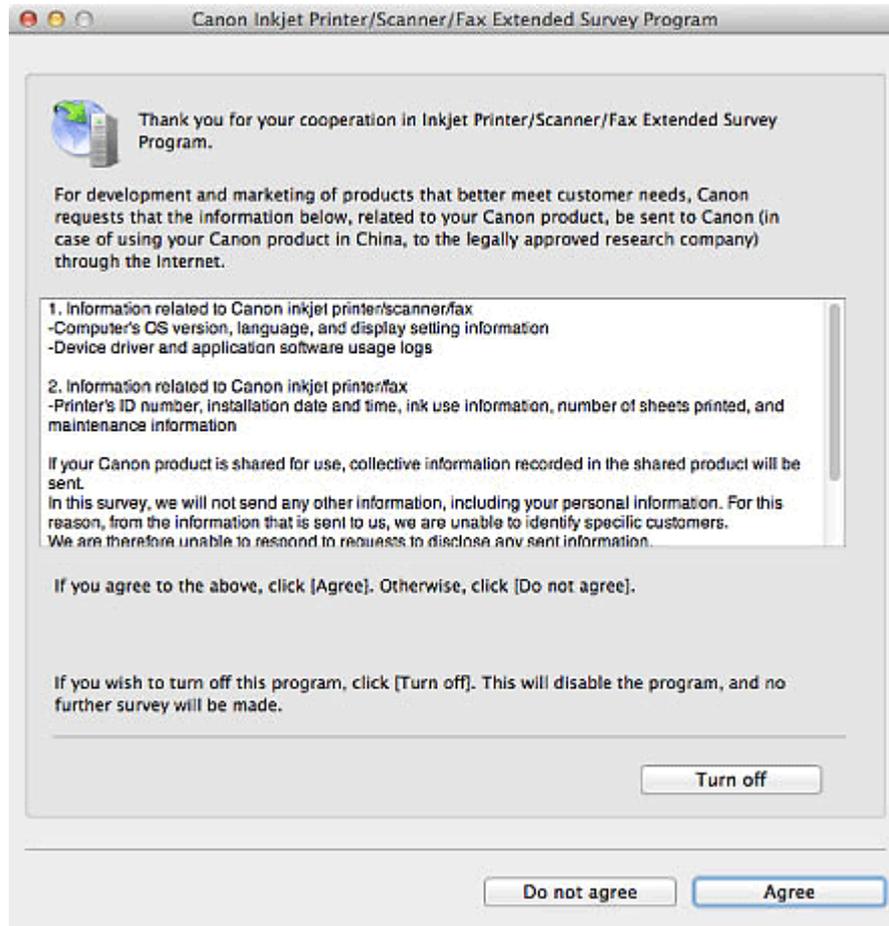
Installation Is Unsuccessful (Insufficient Memory)

Check Exit other applications or restart the computer and try again.

About Inkjet Printer/Scanner/Fax Extended Survey Program

If you installed the Inkjet Printer/Scanner/Fax Extended Survey Program, usage status of the scanner and applications is sent every month for approximately 10 years. Before sending the usage status, the Inkjet Printer/Scanner/Fax Extended Survey Program icon appears in the Dock.

Click the icon and read the descriptions in the displayed screen, then perform one of the following.



If you agree:

Click **Agree** and follow the on-screen instructions. Information will be sent via the Internet. Once the operation is completed, from the next time, information will be sent automatically without displaying the confirmation screen.

►► Note

- Deselect the **Send automatically from the next time** checkbox to display the Inkjet Printer/Scanner/Fax Extended Survey Program icon in the Dock before sending the usage status from the next time too.

If you do not agree:

Click **Do not agree**. The confirmation screen closes. The usage status will not be sent this time. After one month, the confirmation screen for sending the usage status opens again.

To stop the survey program:

Click **Turn off**. The Inkjet Printer/Scanner/Fax Extended Survey Program stops; the usage status will not be sent. Refer to "[Changing the setting](#)" to restart the survey program.

To uninstall the Inkjet Printer/Scanner/Fax Extended Survey Program:

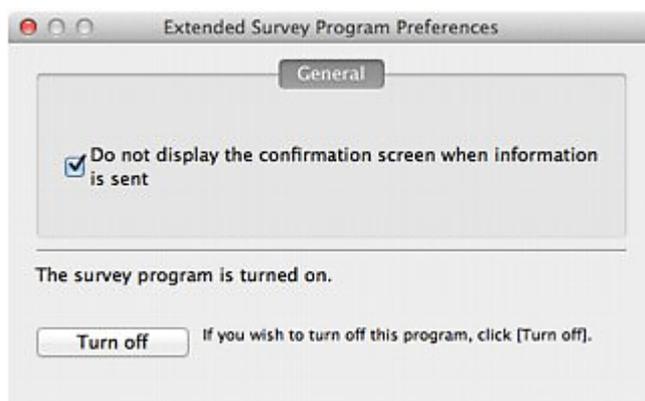
1. Stop the Inkjet Printer/Scanner/Fax Extended Survey Program.
 - [Changing the setting](#)
2. From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **Inkjet Extended Survey Program** folder.
3. Drag and drop **Canon Inkjet Printer/Scanner/Fax Extended Survey Program** into the trash can.
4. Restart the computer.

Empty the trash can and restart the computer.

Changing the setting:

If you want to change the setting so that a confirmation screen appears before sending the usage status, or to restart the survey program, follow these steps below.

1. From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **Inkjet Extended Survey Program** folder.
2. Double-click the **Canon Inkjet Printer/Scanner/Fax Extended Survey Program** icon.



Do not display the confirmation screen when information is sent

Select this checkbox to send the usage status automatically.

Deselect this checkbox to display the Inkjet Printer/Scanner/Fax Extended Survey Program icon in the Dock before sending the usage status. Send the usage status via a confirmation screen.

Turn off/Turn on

Click **Turn off** to stop the Inkjet Printer/Scanner/Fax Extended Survey Program.

Click **Turn on** to restart the Inkjet Printer/Scanner/Fax Extended Survey Program.