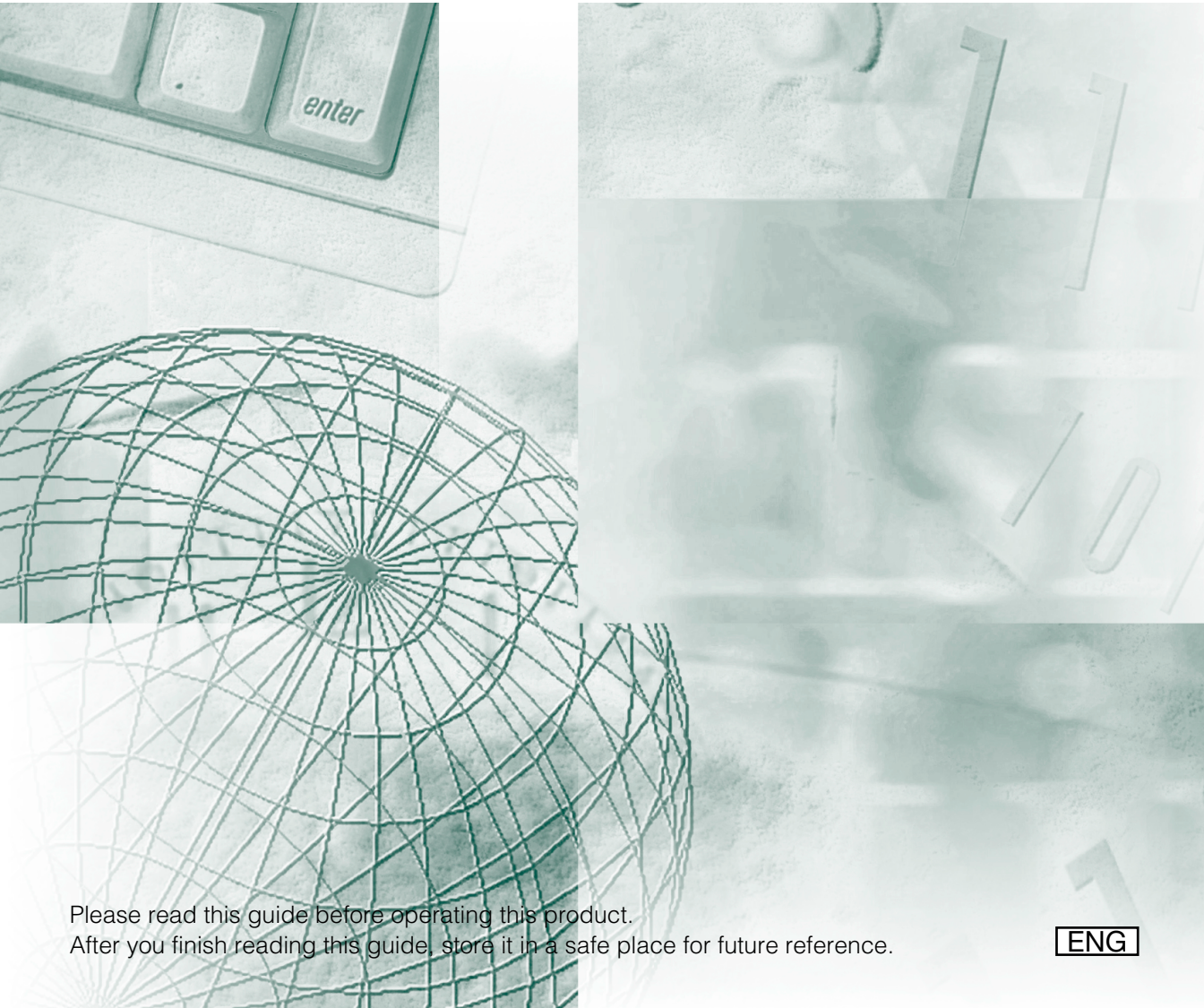
Canon

WIA Network ScanGear

User's Guide



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

ENG

WIA Network ScanGear User's Guide

How This Manual Is Organized

Chapter 1 Before Using Color Network ScanGear

Chapter 2 Installation

Chapter 3 Before Scanning

Chapter 4 Scanning

Chapter 5 Appendix

Includes the index.

Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our products, if you need an exact specification, please contact Canon.

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Preface

Thank you for purchasing this Canon product. Please read this manual thoroughly before operating the product in order to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual store it in a safe place for future reference.

How to Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

IMPORTANT	Indicates operational requirements and restrictions. Be sure to read these items carefully in order to operate the product correctly, and to avoid damage to the product.
NOTE	Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Keys and Buttons Used in This Manual

The following key/button names are a few examples of how keys and buttons to be clicked or pressed are expressed in this manual:

- Touch Panel Display Keys: [Key Name]

  Examples: [Scan]
  [Online]

- Buttons on Computer Operation Screens: [Button Name]

  Examples: [OK]
  [Next]

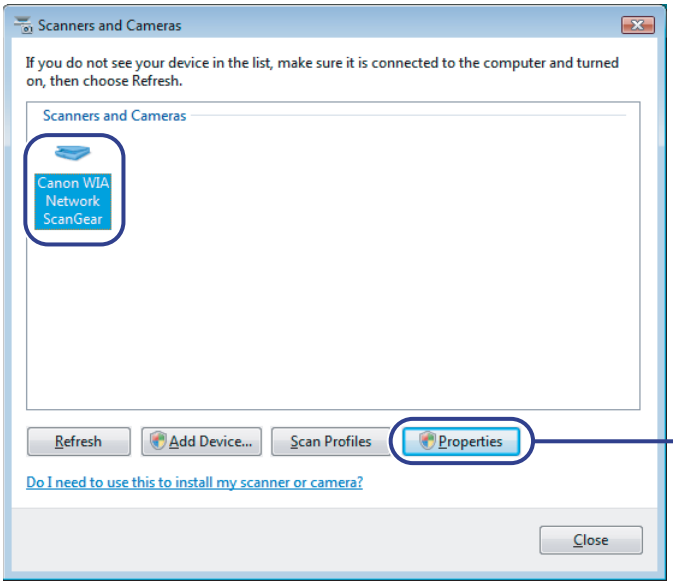
Displays Used in This Manual

Screen shots of computer operation screens used in this manual may differ from the ones you actually see, depending on the operating system and the model or options that come with your machine.

The keys or buttons which you should click or press are marked with ( ), as shown below.

When multiple keys or buttons can be clicked or pressed, they are highlighted and mentioned in the order in which they should be clicked or pressed.

2 **Double-click the [Canon WIA Network ScanGear] icon, or select it and click [Properties].**



Abbreviations Used in This Manual

In this manual, product names and model names are abbreviated as follows:

Microsoft Windows Vista operating system:	Windows Vista
Microsoft Windows Server 2008 operating system:	Windows Server 2008
Microsoft Windows 7 operating system:	Windows 7

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Before You Start

1
CHAPTER

This chapter describes the system environments required for using Color Network ScanGear. It also explains where to find help.

Introduction 1-2
System Environment Requirements 1-3
Where to Find Help 1-5

Introduction

WIA Network ScanGear is a WIA(Windows Imaging Acquisition)-compliant scanner driver that enables computers on a network to use a Canon imageRUNNER ADVANCE/imageRUNNER/iR or MF series color digital copier as a scanner.

System Environment Requirements

WIA Network ScanGear requires the following system environment.

■ Software:

- OS
  Microsoft Windows Vista
  Microsoft Windows Server 2008
  Microsoft Windows 7
- Application Software
  WIA-compliant application software

NOTE

WIA Network ScanGear is not compatible with Windows Server 2008 Server Core.

■ Hardware:

- Computer
  Any computer capable of running Windows Vista/Server 2008/7 correctly
- Microprocessor
  - For Windows Vista: 800MHz or higher
  - For Windows Server 2008 (32bit): 1.0GHz or higher
  - For Windows Server 2008 (64bit): 1.4GHz or higher
  - For Windows 7: 1.0GHz or higher
- Hard disk drive:
  - For Windows Vista: 15GB or more of free space
  - For Windows Server 2008: 10GB or more of free space
  - For Windows 7: 16GB or more of free space
- Main memory (RAM):
  - For Windows Vista: at least 512 MB (1 GB or more recommended)
  - For Windows Server 2008: at least 512 MB (2 GB or more recommended)
  - For Windows 7: at least 1GB
- A display adapter and monitor capable of SVGA resolution of 800 x 600 or more
- A network host adapter providing TCP/IP and UDP/IP protocols over Ethernet or Token Ring
- An imageRUNNER ADVANCE/imageRUNNER/iR or MF series color digital copier
- The hard disk must have enough free space to accommodate data equivalent to or more than twice that of a scanned image.

NOTE

- You cannot use WIA Network ScanGear with imageRUNNER/iR or MF series color digital copiers equipped with an optional USB interface board.
- When scanning a large number of images or images that are very large, memory shortage can result in errors or greatly reduced scanning speed. In this case, take one or more of the following measures:
  - Delete unnecessary files from the hard disk to release additional disk space, or increase the hard disk capacity.
  - Rescan at a lower resolution.
  - Add more RAM.
  - Set the virtual memory size to be as large as possible.

Where to Find Help

■ [Readme. txt] file

Important notices and warnings relating to this product are included in the "Readme.txt." Be sure to read this file, which is located in the following folder in the system folder after this product has been installed in your computer:

Windows\Canon\WIAScangear

■ Online Help

When this product has been installed in your computer, you can open the online help by clicking [Help] in the [Device Selection] sheet in the [Canon WIA Network ScanGear Properties] dialog box (see "Selecting the Network Scanner to be Used," on p. 3-5).

■ Canon Authorized Dealers or Service Providers

If the Online Help does not provide the information you need, contact your local authorized Canon dealer.

Getting Started

2
CHAPTER

This chapter describes instructions for installing WIA Network ScanGear.

Installing the Software 2-2
Uninstallation Procedure. 2-4

Installing the Software

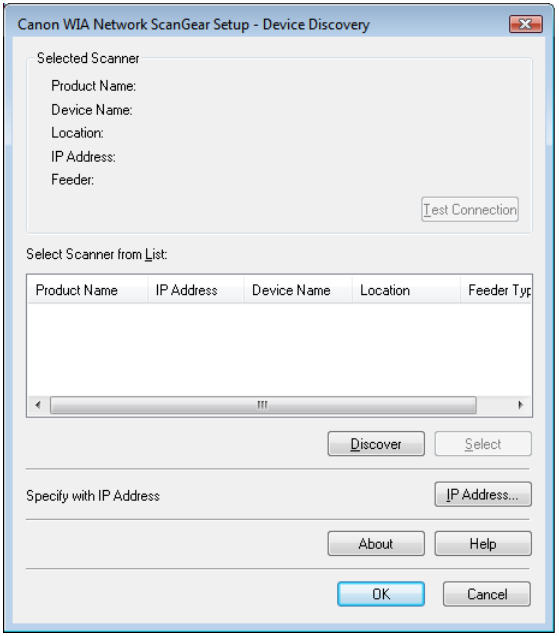
This section describes instructions for installing the WIA Network ScanGear driver.

IMPORTANT

- If the [User Account Control] dialog box appears, perform the following operations.
  - For Administrator users, click [Allow] or [Continue].
  - For Standard users, enter the required Administrator password → click [OK].
- Uninstall all other installations of this driver before installing. This driver does not support multiple installations, overwritten installation, and update installations.

1 Double-click the Setup.exe file in the install set folder for this product.

The following dialog box is displayed.



2 Select a scanner.

For instructions on how to select the network scanner, see "Selecting the Network Scanner to be Used," on p. 3-5.

3 Click [OK].

If the [Windows Security] dialog box is displayed, click "Install this driver software anyway".

4 When the installation complete message box is displayed, click [OK].

NOTE

- If a message prompting you to restart the Windows is displayed before the installation complete message box, restart Windows.
- If you are using WIA Network ScanGear with Windows Server 2008, activate the Desktop Experience feature and start the WIA service. For a detailed procedure, refer to the Readme file.

Uninstallation Procedure

Follow the procedure below to uninstall WIA Network ScanGear.

IMPORTANT

If the [User Account Control] dialog box appears, perform the following operations.

- For Administrator users, click [Allow] or [Continue].
- For Standard users, enter the required Administrator password → click [OK].

1 Double-click the Uninstall.exe file in the install set folder for this product.

The uninstallation start message box is displayed.

2 Click [OK].

Uninstallation begins.

3 When the uninstallation complete message box is displayed, click [OK].

Before Scanning

3
CHAPTER

This chapter describes preparations required to scan using WIA Network ScanGear.

Switching the Scanner Online and Offline 3-2
Switching the Scanner Online 3-2
Switching Offline. 3-3
Selecting the Network Scanner to be Used 3-5

Switching the Scanner Online and Offline

To start the WIA Network ScanGear driver and scan, first you must switch the scanner online.

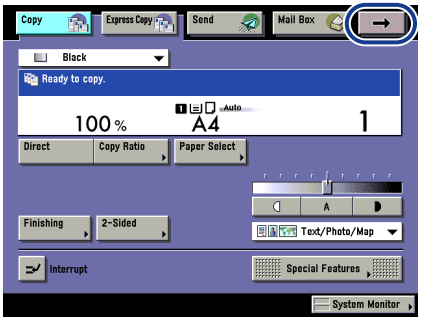
NOTE

The screen shots might differ depending on the copier model you are using.

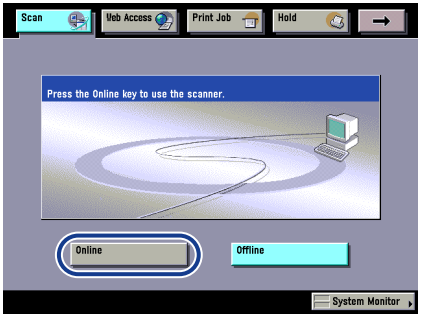
Switching the Scanner Online

Switching the scanner online enables communications with other devices on the network, and allows the scanner to receive data from the computer.
Follow the procedure below to switch the scanner online.

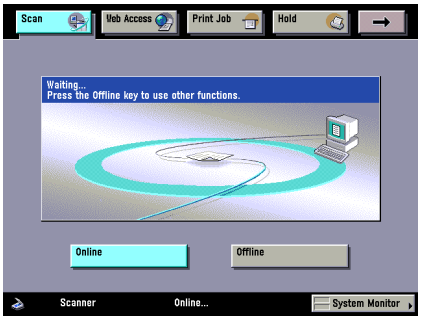
1 Display the remote scanner screen on the touch panel display.



2 Press [Online] in the Scan screen.



The following screen is displayed and the scanner goes online.



Switching Offline

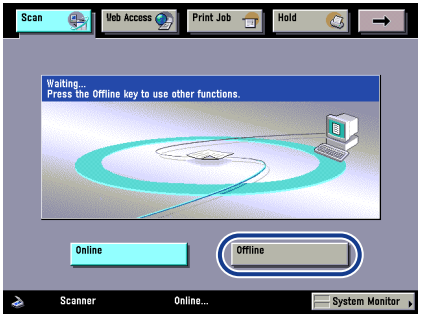
After scanning over the network, disconnect the scanner from the network by switching it offline in order to use other functions. The procedure for switching the scanner offline depends on whether or not scanning is in progress.

NOTE

You do not have to switch the scanner offline in order to use other functions while data is being transferred.

Switching Offline When Scanning is not in Progress

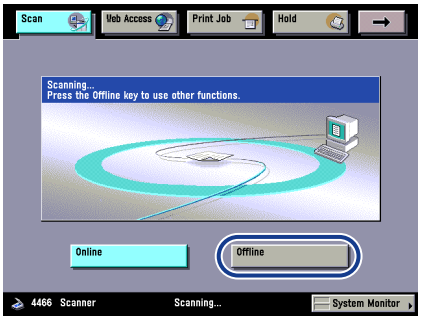
1 Press [Offline].



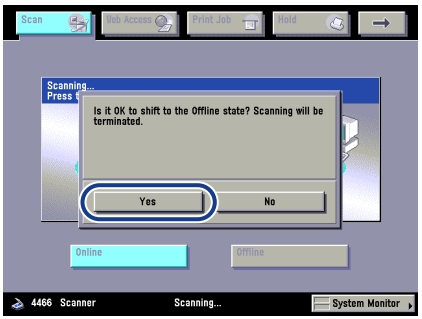
The scanner goes online.

Switching Offline When Scanning is in Progress

1 Press [Offline].



2 Press [Yes].



Scanning is interrupted and the scanner goes offline.

Selecting the Network Scanner to be Used

Selecting the network scanner to be used from the [Device Selection] sheet enables scanning with the WIA Network ScanGear driver.

1 On the [ ] (Start) menu, point to [Control Panel] → [Hardware and Sound] → [Scanners and Cameras].

For Windows 7/Server 2008 R2:

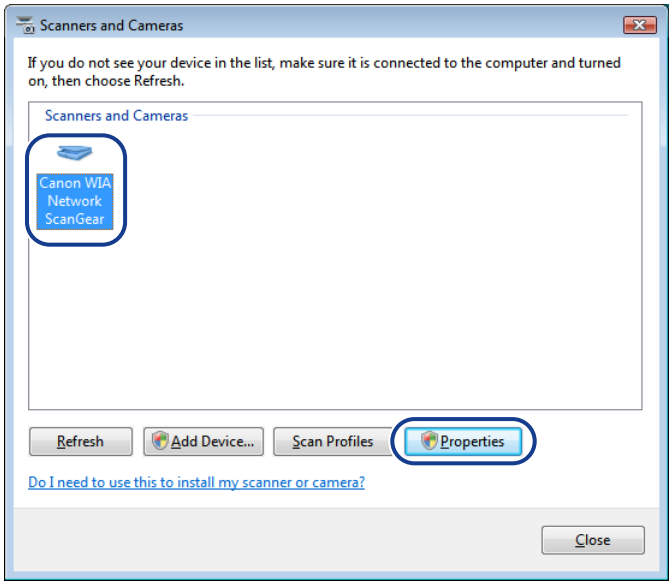
1. Click [ ] (Start) → select [Search programs and files].
2. Enter [scanner].
3. Select [Scanner and Cameras] (For Server 2008 R2: Select [View scanners and cameras]) from the list.

The [Scanner and Cameras] dialog box is displayed.

NOTE

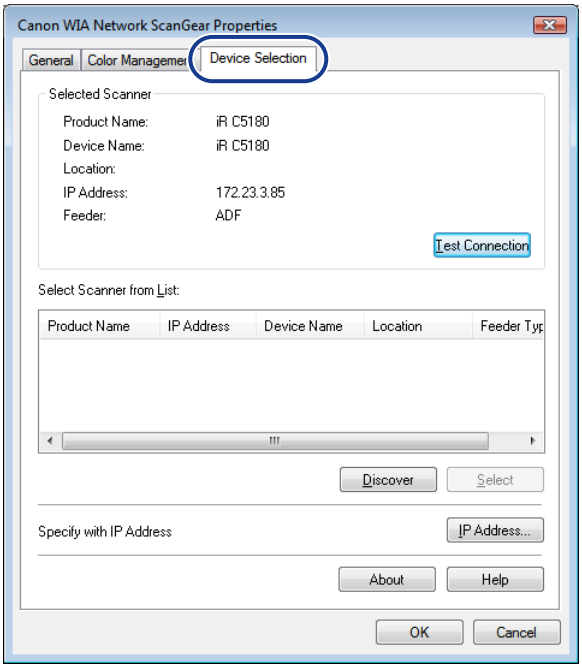
If you are using WIA Network ScanGear with Windows Server 2008, activate the Desktop Experience feature and start the WIA service. For a detailed procedure, refer to the Readme file.

2 Double-click the [Canon WIA Network ScanGear] icon, or select it and click [Properties].



The [Canon WIA Network ScanGear Properties] dialog box is displayed.

3 Click the [Device Selection] tab to display the [Device Selection] sheet.



4 Select the scanner to be used.

● **If you want to search for scanners:**

❑ Click [Discover].

Scanners on the network are searched for; the results are displayed in the list of scanners.

❑ Click the scanner to be used in the list → click [Select].

Information for the selected scanner appears under [Selected Scanner].

IMPORTANT

Only scanners on the same subnet (network with the same network ID) as your computer are displayed in the list.

NOTE

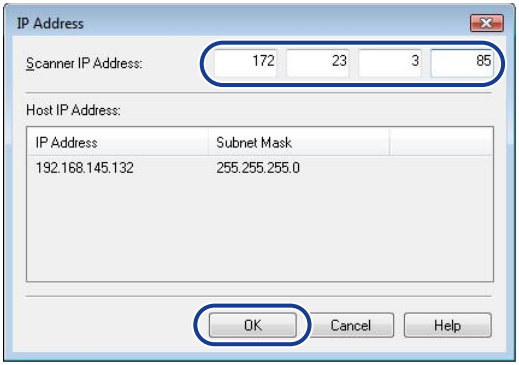
After selecting the scanner, you can click [Test Connection] to check that the selected scanner can be used.

● **If you want to select the scanner using the IP address:**

❑ Click [IP Address].

The [IP Address] dialog box appears.

❑ Enter the IP address in [Scanner IP Address] → click [OK].



Information for the selected scanner appears under [Selected Scanner].

IMPORTANT

It is possible to specify an IP address outside the subnet.

NOTE

After selecting the scanner, you can click [Test Connection] to check that the selected scanner can be used.

5 Click [OK].

Scanning

4

CHAPTER

This chapter describes the basic procedure for using WIA Network ScanGear to scan with a WIA-compliant application software.

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Scanning from the Feeder 4-5

Specifying the Scanning Area. 4-7

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- Basic Settings. 4-8
- Image Processing Settings 4-8
- Settings for Scanning from the Feeder. 4-8

Troubleshooting 4-9

Scanning from the Platen Glass

Follow the procedure below to scan from the platen glass.

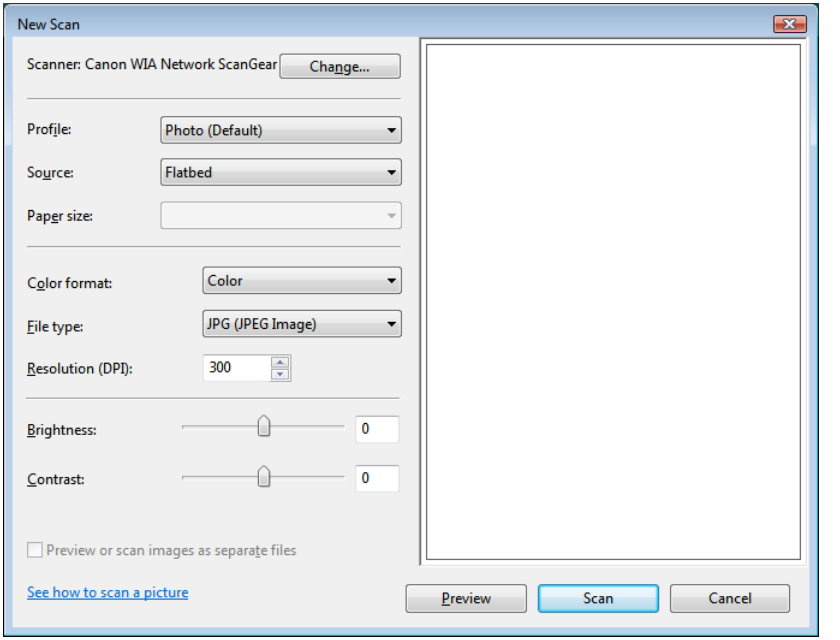
IMPORTANT

Before scanning, you must first switch the scanner online. For details, see "Switching the Scanner Online and Offline," on p. 3-2.

1 In the application, select the command to execute scanning.

2 In the scanner selection window, select [Canon WIA Network ScanGear].

The scan settings dialog box is displayed.



3 **Select the profile that corresponds to your purpose from [Profile].**

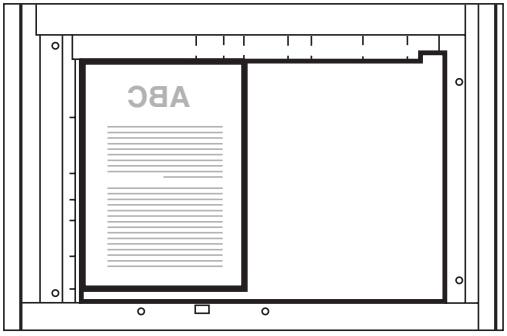
NOTE

You can add profiles.
Selecting [Add profile] from [Profile] displays the [Add New Profile] dialog box, where you can create new profiles.

4 **Select [Flatbed] from [Source].**

5 **Where necessary, set [Paper Size], [Color format], [File type], and [Resolution (DPI)].**

6 **Place the original on the platen glass. The original should have the side to be scanned face down, as shown in the illustration.**



7 **To preview the image, click [Preview].**

A preview image appears in the Preview Area.

NOTE

You can use the preview image to do the following:
- Specify the scanning area. For details, see "Specifying the Scanning Area," on p. 4-7.
- You can adjust [Brightness] and [Contrast] by moving the sliders or entering a value.

8 Click [Scan].

Scanning starts.

When scanning is complete, the scanned image is transferred to the application.

Scanning from the Feeder

When using WIA Network ScanGear to scan with the feeder, you can scan a number of originals in succession.

Follow the procedure below to scan from the feeder.

IMPORTANT

- Before scanning, you must first switch the scanner online. For details, see "Switching the Scanner Online and Offline," on p. 3-2.
- When scanning from the feeder, use only standard size originals. To scan originals that are not a standard size, use the platen glass.

1 Display the scan settings dialog box (see steps 1 and 2 in "Scanning from the Platen Glass," on p. 4-2).

2 Select the profile that corresponds to your purpose from [Profile].

3 Select [Feeder (Scan one side)] or [Feeder (Scan both sides)] from [Source].

4 Where necessary, set [Paper Size], [Color format], [File type], and [Resolution (DPI)].

IMPORTANT

When [Paper size] is set to [Auto], originals of various paper sizes can be set in the feeder and scanned together.

5 Load the originals in the feeder. Set the original in the feeder with the side to be scanned facing upward.

6 Click [Scan].

Scanning starts.

The originals loaded into the feeder are scanned in succession.

When scanning is complete, the scanned image is sent to the application.

IMPORTANT

- Check that the originals are correctly loaded in the feeder.
- When Scanning from the platen glass after using the feeder, make sure that the platen glass cover is fully opened before positioning the original.
- It is not possible to specify the scanning area when scanning 2-sided originals.
- If streaks or dirt appear on the original scanned through the feeder, clean the feeder's roller. For details, see the manual provided with the corresponding product.

Specifying the Scanning Area

When scanning from the platen glass, you can display the scan image in the Preview Area, and then select the area to scan within the original. Follow the procedure below to specify the scanning area.

1 Click [Preview] in the scan settings dialog box to display the image in the Preview Area.

2 Drag the mouse from one corner of the rectangular area you want to specify to the diagonally opposite corner.

Once an area is specified, you can change it, as follows:

- You can drag the area to a different position, or drag the frame handles to change the size of the area.
- To cancel the scanning area setting, click outside the area.

The specified area is indicated by a broken line.

NOTE

- If you are using the feeder to scan, you cannot set the preview image and scanning area.
- If you click [Preview] while a preview image is being displayed, the preview image is rescanned. If you select [Feeder (Scan one side)] or [Feeder (Scan both sides)] for [Source], the preview image is erased.

Summary of Important Features and Settings

The following setting parameters are available in WIA Network ScanGear.

Basic Settings

Setting	Procedure
Color mode for image	Select the desired color mode from [Color format] in the scan settings dialog box.
Scanning resolution	Select the desired resolution from [Resolution (DPI)] in the scan settings dialog box.
Size of originals to be scanned	Select the desired size from [Paper size] in the scan settings dialog box.
Stored profiles	Select the desired profile from [Profile] in the scan settings dialog box.

Image Processing Settings

Setting	Procedure
Adjust brightness	After selecting [Color] or [Grayscale] for [Color format] in the scan settings dialog box, adjust the brightness by moving the [Brightness] slider.
Adjust contrast	Adjust the contrast by moving the [Contrast] slider in the scan settings dialog box.

Settings for Scanning from the Feeder

Setting	Procedure
Scan different sized originals as one operation	Select [Auto] from [Paper size] in the scan settings dialog box.

Troubleshooting

This section describes corrective procedures, in the event that trouble occurs while you are using WIA Network ScanGear.

The feeder does not work.

Cause 1 The feeder cover is open.

Remedy Set up the feeder correctly.

Cause 2 There is a paper jam in the feeder.

Remedy Remove the jammed paper, and restart the WIA service or the computer. Set up the feeder correctly, and rescan the document.

A paper jam error message is displayed in the application software.

Cause There is a paper jam in the feeder.

Remedy Remove the jammed paper, and restart the WIA service or the computer. Set up the feeder correctly, and rescan the document.

A network process has timed out.

Cause 1 The LAN cable has been disconnected.

Remedy Check the LAN cable connection.

Cause 2 The device is not turned on.

Remedy Check whether the device you are using is turned on.

A system error has occurred.

Cause 1 A service call message is displayed on the device.

Remedy Refer to the manual provided with the corresponding product.

Cause 2 A (fatal) error has occurred in the computer.

Remedy Restart the computer.

The scanner you want to use is not displayed.

Cause The device has not been selected.

Remedy Refer to "Selecting the Network Scanner to be Used," on p. 3-5, and select the device to be used for scanning.

The scanner goes offline while scanning.

Cause [Offline] has been pressed on the control panel of the scanner.

Remedy Refer to "Switching the Scanner Online and Offline," on p. 3-2, switch the scanner online, and rescan the document.

Scanning cannot be executed.

Cause Scanning cannot be executed because there is no available disk space in the scanner or the computer.

Remedy Delete unnecessary data to increase the available disk space.

Appendix

5
CHAPTER

This chapter provides the index of the manual.

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