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INTRODUCTION

Thank you for purchasing the Canon DR-2050C scanner. Please read this manual thoroughly before using the machine 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.

Manuals for the Scanner

The DR-2050C scanner has a Startup Manual (this manual) and online help. Please refer to the Startup Manual regarding the handling of the scanner, such as installation of software and setting up the scanner. The online help explains how to use the ISIS/TWAIN driver and the enclosed software, CapturePerfect.
Conventions

This manual uses the following symbols and indications. Before you start reading this manual, read the following and familiarize yourself with their meanings.

⚠️ **WARNING**
Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. In order to use the machine safely, always pay attention to these warnings.

⚠️ **CAUTION**
Indicates a caution concerning operations that may lead to injury to persons, or damage to property if not performed correctly. In order to use the machine safely, always pay attention to these cautions.

👉 **IMPORTANT**
Indicates operational requirements and restrictions. Be sure to read these items carefully in order to operate the machine correctly, and to avoid damage to the machine.

🔍 **Note**
Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.
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Before Using the Scanner

Safe Operation

In order to ensure safe operation, be certain to read the cautions described below.

Installation Location

The performance of this scanner is affected by the environment in which it is installed. Make sure that the location where the scanner is installed meets the following environmental requirements:

- Provide adequate space around the scanner for operation and maintenance, and for ventilation.
- Provide adequate space behind the scanner in order to eject scanned documents to the back of the scanner.
- Avoid locations exposed to direct sunlight. If the scanner must be placed in such a spot, hang a heavy curtain, or similar object to shade the scanner.
- Avoid dusty locations. Dust can get inside of the scanner and cause problems.
- Avoid warm or humid locations, such as in the vicinity of a water faucet, water heater, or humidifier, and avoid locations where the fumes from ammonia, paint thinner, or other volatile chemicals may be present.
- Avoid unstable surfaces and locations subject to vibration.
- Avoid locations that are subject to rapid temperature changes. Condensation inside of the scanner can result in inferior image quality. Use this scanner under the following environmental conditions:
  
  Temperature: 10°C to 32.5°C (50°F to 90.5°F)
  Humidity: 20% to 80% RH

- Avoid locating the scanner near equipment that generates electromagnetic fields, including speakers, televisions, and radios.
Before Using the Scanner

Power

- Connect only to a power outlet of the rated voltage and power supply frequency. (either 120 V, 60 Hz or 220-240 V, 50/60 Hz depending on your region).
- Do not connect to power outlets with other electrical devices. Also, when using an extension cord, make sure that the extension cord is rated for the current requirements of the scanner.
- Disassembling and/or reassembling the AC adapter is extremely dangerous and should not be attempted under any circumstances.
- Do not place heavy objects on the AC adapter or Power Cord. Do not place the adapter or cords in an area where they are likely to be stepped on.
- Do not use the Power Cord while it is bundled.
- Never pull directly on the Power Cord. To remove the plug from the outlet, grasp the plug directly and remove it from the outlet.
- Keep the area around the power plug clear of articles so that the power plug can be disconnected in an emergency.
- Use only the AC adapter provided with the product. Do not use the scanner’s AC adapter with any other product.
  
  Model: MG1-3607

- If you have any questions about the AC adapter, contact your local authorized Canon dealer or service representative for further information.

Moving the Scanner

- When moving the scanner, always hold it with both hands to avoid dropping it. The scanner weighs approximately 5.0 lb (2.5 kg).

- Make sure to disconnect the interface cable and Power Cord. If the scanner is transported with these items plugged in, the plugs and connectors may be damaged due to physical shock.
Normal Handling

⚠️ **WARNING**

To avoid fire and electric shock, always observe the following warnings when using this scanner.

- Do not place flammable chemicals, such as alcohol or paint thinner, near the scanner.
- Do not cut, damage, or modify the Power Cord. Do not place heavy objects on the Power Cord, do not pull on the Power Cord, and do not bend the Power Cord sharply.
- Do not plug in or unplug the Power Cord with wet hands.
- Do not use multioutlet adapters to connect multiple devices to one outlet.
- Do not tie up or bundle the Power Cord. Push the plug in as far as it will go when plugging in the Power Cord.
- Only use the Power Cord that was provided with this scanner.
- Do not attempt to disassemble or modify this scanner.
- Never try to take the AC adaptor apart or modify it in any way. Doing so is very dangerous.
- Do not use flammable sprays near this scanner.
- Always turn the scanner OFF and unplug the Power Cord before cleaning this scanner.
- To clean this scanner, dampen a cloth in a mild detergent solution and then wring the cloth out thoroughly. Do not use flammable liquids to clean the scanner, including alcohol, benzene, or paint thinner.
- If the scanner ever makes a strange noise, emits smoke or a strange odor, becomes hot, or if the scanner does not operate at all even though the power is ON, immediately turn the scanner OFF and unplug the Power Cord. Contact your local authorized Canon dealer or service representative to have the scanner serviced.
- Do not drop, kick, or otherwise strike the scanner. If the scanner does somehow become damaged, immediately turn the scanner OFF and unplug the Power Cord. Contact your local authorized Canon dealer or service representative to have the scanner serviced.
- Always turn the scanner OFF and unplug the Power Cord before moving the scanner.

⚠️ **CAUTION**

- Do not set the scanner up on a wobbly platform, a sloped surface, or any other type of unstable location. Do not set up the scanner in a location that is subject to vibration. The scanner could injure someone if it falls or tips over.
Before Using the Scanner

- Do not block the ventilation openings. Doing so could cause the scanner to overheat, creating a risk of fire.
- Do not place paper clips, staples, necklaces, or any other metallic objects on top of the scanner. Liquids or small metallic objects that get inside of the scanner create a risk of fire or electrical shock. If such foreign matter does get inside of the scanner, unplug the Power Cord immediately, and then contact your local authorized Canon dealer or service representative for assistance.
- Do not set up the scanner in a dusty or humid location. Doing so creates a risk of fire or electrical shock.
- Do not place objects on top of the scanner. The object could injure someone if it falls or tips over.
- To prevent any risk of fire or electrical shock, be sure that the power source meets the power requirements of the scanner.
- When unplugging the Power Cord, always grasp the plug. Pulling on the cord itself could expose or break the wires in the Power Cord, damaging the cord and creating a risk of fire or electrical shock.
- To allow you to easily unplug the Power Cord at any time, do not place other objects around the power outlet. Such obstacles could prevent you from unplugging the Power Cord quickly in an emergency.
- Do not spill liquids or flammable chemicals (such as alcohol, paint thinner, or benzene) on the scanner. Doing so creates a risk of fire or electrical shock.
- If the scanner will not be used for an extended period of time, unplug the Power Cord for safety’s sake.
- When operating this scanner, avoid wearing loose fitting clothing, dangling jewelry, or other material that could get pulled into the scanner. Injury could result. Be especially careful if you are wearing a necktie or have long hair. In the event that some article or clothing does get caught in the scanner, turn the power OFF immediately.
- Be careful when placing paper in the scanner and when removing jammed paper. It is possible to cut your hand on the edge of a sheet of paper.

Disposal

- When disposing of this scanner, be sure to follow all local ordinances and laws or consult with the retailer who sold you the scanner.
Features of the DR-2050C

The main features of the DR-2050C scanner are listed below.

■ **Compact Configuration**
  The scanner has a very compact configuration, measuring only 11.7" (298 mm) (W) x 7.7" (197 mm) (H) x 3.9" (100 mm) (D). The small footprint of this standup vertical scanner saves space.

■ **Fast Document Feeding**
  The scanner can scan a maximum of 20 documents per minute in a range of sizes from business cards to LTR/A4 size. (Scanning conditions: Black and white, LTR/A4 size portrait, two sided, 200 dpi.)

■ **USB 2.0 Interface**
  Connecting to a computer is done with Hi-Speed USB 2.0 protocol.

■ **Color/Grayscale Support**
  Documents can be scanned in 24-bit color or 256-level grayscale.

■ **Supports a Variety of Scanning Modes**
  The scanner supports the following scanning modes, depending on the document type:
  • single-sided/double-sided mode
  • Single sheet/dual feeding path

■ **Paper Size Detection**
  The scanner automatically detects the size of a scanned document and eliminates any unnecessary space around the edges of the image when storing it, even when storing a document of irregular size.

■ **Folio Scan**
  A folio (folded in half) document can be set for scanning as it is, and the scanned images of both sides are combined as a single image. (See p. 52.)

■ **Deskew**
  The Deskew function automatically straightens an image if the document was loaded askew.

■ **Character Orientation Detector**
  Identifies the orientation of characters in a document, and rotates the image so the orientation of the scanned characters is straight.

■ **Text Enhancement**
  The scanner is equipped with a Text Enhancement mode that allows you to clearly scan text printed on a dark background, and text that is written in faint pencil.

■ **Dropout Color**
  The scanner is equipped with a Dropout Color function that allows you to specify a color for the scanner to omit from scanned images.
■ **Skip Blank Page Function**  
The scanner is equipped with a Skip Blank Page function that allows it to scan a document regardless of whether every document is double-sided or single-sided.

■ **Prescan Function**  
The scanner is equipped with a Prescan function that allows you to adjust the contrast and brightness of a prescanned image and then send the adjusted image to the application software, without needing to scan the document again.

■ **Auto Start**  
The scanner is equipped with an Auto Start function that automatically initiates scanning when a document is placed in the Document Feed Tray.

■ **Compatible with Carbonless Duplicating Paper**  
The scanner is able to scan carbonless duplicating paper.

■ **Power Saving Feature**  
The scanner has a power saving feature that puts the scanner in low power mode after it has been idle for a certain period of time.

**Note**  
Some functions may not be available depending on the software you are using.
Checking the Packing List

The contents of the carton in which this scanner is shipped are described below. If anything is missing or damaged, contact your local authorized Canon dealer or service representative.

- DR-2050C Scanner
- AC Adapter
- Power Cord
- Feed Roller
- Document Guide Adapter
- USB Interface Cable
- DR-2050C/2080C Setup Disc (CD-ROM)
- Adobe Acrobat Setup Disc (CD-ROM)
- Startup Manual (This Manual)
- Adjustment Sheet (Shading Sheet)
- Warranty Card (U.S.A. and Canada only)
- Registration Card (U.S.A. and Canada only)
Note

- Remove all of the protective tape and protective sheets from the DR-2050C. (See “Removing the protective packing materials,” on p. 12.)
- To use the “Feed Roller” install it on the DR-2050C. Refer to “Removing and Attaching the Feed Roller” (see p. 60) for information about installing the roller.

Feed Roller

- The DR-2050C/2080C Setup Disc is in the Startup Manual (this manual).
- The Adjustment Sheet (Shading Sheet) is inserted at the back of this manual. Keep it in a safe place where it will not become lost.
- Items included in this package may change without notice.
- You need to keep the machine's packaging and packing materials for storing or transporting the machine.
- The Power Cord varies according to country of purchase.
Removing the Protective Packing Materials

Remove all of the protective packing materials before using the scanner.

1 Remove the protective tape (indicated by the ▼) from the scanner.

2 Remove the protective sheet between the Document Feed Tray and the scanner.

3 Open the Document Feed Tray. Pressing the OPEN Knob from both sides (①), pull the Front Unit forward to open it (②).
4 Remove the protective tape (indicated by ▼) and protective sheet.

5 Close the Upper Unit slowly. Be sure that the Upper Unit is completely closed by pushing on both edges with both hands until you hear a click.

6 Close the Document Feed Tray and Upper Cover.
Names and Functions of Parts

This section explains the name and function of each part. Familiarize yourself with the parts before connecting the scanner.

■ Front/Right Side

Start Button
Press to start document scanning.
(Feed Mode: Panel + Auto)

Stop Button
Press to cancel document scanning.

Upper Cover
Open when you need to set a document in the scanner.

Power Indicator
This indicator lights when the scanner is turned ON.

Document Feed Tray
Open if the document extends a long way from the Document Feed Opening.

Document Eject Opening
Scanned documents are ejected from here.

Feed Indicator
Indicates the Feed Selection Lever position.

Feed Selection Lever
Use it to set the way the documents are fed. To feed a multi-page document one page at a time, lower the lever (Page Separation mode). To feed bound documents, such as invoices, without separating them, raise the lever (Bypass mode).

■ Front (Upper Cover and Document Feed Tray open)

Feed Extension Plate
Pull out this plate if documents tend to fall forward.

Document Guide Adapter
When documents are skewed, insert the adapter into the Document Guide.

Front Unit
Open when clearing a paper jam or cleaning inside.

Document Feed Opening
Place the document to be scanned here.

OPEN Knob
Use this knob to open the Front Unit.

Document Guide
Adjust them to align with the width of the document.
Before Using the Scanner

■ Back/Left Side

![Back/Left Side Diagram]

**Power Connector**
Connect the bundled AC adaptor.

**Kensington Slot**
Used for anti-theft measures. Theft can be prevented by attaching a chain, etc.

**USB Connector**
Connect the USB cable provided or one that supports Hi-Speed USB 2.0.

**Power Switch**
Turns the scanner on and off.

**Ventilation Openings**

---

**CAUTION**
Make sure that Ventilation Openings are not blocked. Blocked openings can cause internal heat build up, creating the risk of fire.

■ Conventions

![Conventions Diagram]

**Align the Document Guide with the mark that matches the document size.**

**Marks indicating document setting method (center position, front/back, feed direction).**

**Marks indicating multi-page document alignment.**

**Mark indicating feeding of document without separation (Bypass mode).**

**Mark indicating page-by-page feeding of document (Page Separation mode).**
Installing the Scanner

Installation Requirements

In order to use the DR-2050C, your computer must satisfy the following system requirements:

- A computer that meets the following specifications:
  - CPU: Celeron 733 Hz or higher
  - Memory: 256 MB or more
  - Hard disk: 400 MB or more available space
  - CD-ROM drive
  - Hi-Speed USB 2.0 interface
  - Monitor: Resolution of 1024 x 768 (XGA) or better recommended

- The Hi-Speed USB 2.0 interface is standard equipment on some computers and is supported on the scanner with the Hi-Speed USB 2.0 interface card (See “Interface Cards,” on p. 20.)

- One of the following operating systems:
  - Microsoft Windows 98SE
  - Microsoft Windows Me
  - Microsoft Windows 2000 Professional SP3 or later
  - Microsoft Windows XP Professional SP1 or later
  - Microsoft Windows XP Home Edition SP1 or later
  - ISIS compatible or TWAIN compatible application software that runs on your operating system

**IMPORTANT**

- Use the most recently available USB 2.0 driver when using the DR-2050C. Contact your local authorized Canon dealer or service representative for more detailed information.

- If the Hi-Speed USB 2.0 interface is standard equipment on your computer, then all computer operations are not guaranteed. If the standard Hi-Speed USB 2.0 interface does not operate normally sometimes, then use the recommended Hi-Speed USB 2.0 interface card. Contact your local authorized Canon dealer or service representative for more detailed information.

- The USB cable you are using should be the one originally bundled with the scanner or a Hi-Speed USB 2.0 compatible cable.

- If the CPU, memory, interface card, and other specifications do not satisfy those recommended, the scanning speed may be greatly reduced and transmission may take a long time.

- Even if the computer satisfies the recommended specifications, the scanning speed may be slow depending on the scan settings.
• Make sure that enough virtual memory is set on your Windows system. Virtual memory settings vary according to the Windows system. For more information, refer to the Windows manual or the online help.

• Depending on the application software that you are using, the device driver provided may not operate, or you may not be able to use the functions described in this guide.

• Make sure that the device driver and application software that you will be using are compatible with your PC, the system configuration, and the type of interface card that you are using.

• The ISIS/TWAIN driver provided with the scanner is not necessarily compatible with all ISIS compatible or TWAIN compatible application software. For details, contact your local authorized Canon dealer or service representative.
Installation Procedure

The procedure for installing the scanner is outlined below. (For a detailed outline of this procedure, see “Connecting the Scanner to Your PC,” on p. 21.)

1. Check the interface card in your computer.
   (See “Interface Cards,” on p. 19.)

2. Connect the Power Cord to the scanner.
   (See “Connecting the Power Cord,” on p. 20.)

3. Connect the scanner to the PC.
   (See “Connecting the Scanner to Your PC,” on p. 21.)

4. Turn ON the scanner.
   (See “Turning the Power ON,” on p. 22.)

5. Let the PC recognize the Scanner.
   (See “Recognizing the Scanner,” on p. 23.)

6. Turn the scanner OFF.
   (See “Turning the Power OFF,” on p. 25.)
Interface Cards

The recommended USB 2.0 interface card for this machine is noted below.

**Recommended USB 2.0 Interface Cards**

(for PCI Bus)
- **Manufacturer:** Adaptec
- **Models:**
  - USB 2 connect 2000LP (AUA-2000)
  - USB 2 connect 3100 (AUA-3100LP)
  - USB 2 connect 5100 (AUA-5100)

(for Card Bus)
- **Manufacturer:** Adaptec
- **Models:** USB 2 connect for Notebooks (AUA-1420)

**IMPORTANT**
- Follow the instructions in your computer's and the USB 2.0 interface card's manuals to install the USB 2.0 interface card into your computer.
- Use the most recent version of the USB 2.0 driver provided by Microsoft.

**Note**
If the USB 2.0 interface is not compatible with Hi-Speed USB 2.0, scanning speed is reduced.
Connecting the Power Cord

Perform the following steps to connect the Power Cord.

⚠️ WARNING
• Be sure to use the Power Cord and AC adaptor provided with the scanner.
• Be sure the scanner is turned OFF when performing this operation.

1. Connect the bundled Power Cord ① to the AC adaptor.

2. Plug the AC adaptor Power Cord into the power connector (②) on the left side of the scanner, and plug the power plug into a power outlet (③).
Connecting the Scanner to Your PC

Connecting the scanner to a computer using a USB connection.

**IMPORTANT**
- When the application is running, do not turn the scanner OFF or unplug the interface cable.
- Do not connect multiple DR-2050C scanners to one (1) computer.

**USB Interface Connection**
- Be sure to use the USB cable bundled with the scanner or a Hi-Speed USB 2.0 compatible cable.
- When using a USB extension card that supports Hi-Speed USB 2.0, be sure to choose one verified for use with the scanner. (See p. 19.)

**IMPORTANT**
When using a USB hub, be sure to use one compatible with USB 2.0.

**Note**
- The DR-2050C passed the Hi-Speed USB 2.0 certification test. However, when you use the scanner with a personal computer equipped with USB 2.0 as standard, the scanner may not always operate normally.
- If the interface is not Hi-Speed USB 2.0 compatible, the scanning speed will slow down.
Turning the Power ON/OFF

Follow the procedures described below when turning the power ON or OFF.

Turning the Power ON

1 Turn ON the scanner.

The power switch is on the right side of the scanner. Push the power switch to turn ON the scanner. The power lamp lights green when the power is ON.

2 Turn ON the PC.

WARNING
If the scanner ever makes a strange noise, emits smoke or a strange odor, becomes hot, or if the scanner does not operate at all even though the power is ON, immediately turn the scanner OFF and unplug the Power Cord. Contact your local authorized Canon dealer or service representative to have the scanner serviced.

3 Log on to Windows.

IMPORTANT
If you are using Windows 2000 Professional or Windows XP, be sure to log on as a user with administrator privileges.
Recognizing the Scanner

When the computer recognizes the scanner, Windows Plug And Play displays the scanner driver's installation screen. Follow the instructions that appear on the screen to install the driver.

- If you are using Windows 98SE, the [Add New Hardware Wizard] dialog box appears.
  1. Click the [Next] button.
  2. Select [Search for the best driver for your device. (Recommended)], and then click the [Next] button.
  3. Insert the setup disc into the computer’s CD-ROM drive.
  4. Select [Specify a location], enter “D:\INF” (assuming that “D” is the letter assigned to your CD-ROM drive), and then click the [Next] button.
  5. Click the [Next] button.
  6. Click the [Finish] button.

- If you are using Windows Me, the [Add New Hardware Wizard] dialog box appears.
  1. Select [Specify the location of the driver (Advanced)], and then click the [Next] button.
  2. Insert the setup disc into the computer’s CD-ROM drive.
  3. Select [Search for the best driver for your device. (Recommended)], and then select [Specify a location]. Enter “D:\INF” (assuming that “D” is the letter assigned to your CD-ROM drive), and then click the [Next] button.
  4. Click the [Next] button.
  5. Click the [Finish] button.

- If you are using Windows 2000 Professional, the [Found New Hardware Wizard] dialog box appears.
  1. Click the [Next] button to proceed to the Install Hardware Device Drivers screen.
  2. Select [Search for a suitable driver for my device (Recommended)], and then click the [Next] button to proceed to the Locate Driver Files screen.
  3. Select [Specify a location], and then click the [Next] button.
  4. Insert the setup disc into the computer’s CD-ROM drive.
  5. Enter “D:\INF” (assuming that “D” is the letter assigned to your CD-ROM drive), and then click the [OK] button.
  6. On the Driver Files Search Results screen, click the [Next] button.
  7. If the message “Digital Signature Not Found” appears, click [Yes] to continue installation.
  8. On the Completing the Found New Hardware Wizard screen, click the [Finish] button.
• If you are using Windows XP, the [Found New Hardware Wizard] dialog box appears.
  1. Insert the setup disc into the computer’s CD-ROM drive.
  2. On the Welcome to the Found New Hardware Wizard screen, select [Install from a list or specific location (Advanced)], and then click the [Next] button.
  3. Select [Search for the best driver in these locations], and then clear the [Search removable media (floppy, CD-ROM...)] check box. Select [Include this location in the search], enter “D:\INF” (assuming that “D” is the letter assigned to your CD-ROM drive), and then click the [Next] button.
  4. Although a message appears indicating that the driver “has not passed Windows logo testing”, click the [Continue Anyway] button in the [Hardware Installation] dialog box.
  5. Click the [Finish] button on the Completing the Found New Hardware Wizard screen.

Note

The DR-2050C is registered as “CANON DR-2050C USB” in the Imaging Device directory.
Turning the Power OFF

⚠️ CAUTION
If the scanner will not be used for an extended period of time, unplug the Power Cord for safety’s sake.

1. Exit the application.
2. Slide the Power Switch in the "O" direction to turn off the scanner.

⚠️ IMPORTANT
- Make sure you exit the application before turning OFF the scanner. Turning OFF the scanner before exiting the application can cause unstable operation of the computer.
- Wait at least 10 seconds before turning the scanner back ON after it has been turned OFF.

⚠️ WARNING
If the scanner ever makes a strange noise, emits smoke or a strange odor, becomes hot, or if the scanner does not operate at all even though the power is ON, immediately turn the scanner OFF and unplug the Power Cord. Contact your local authorized Canon dealer or service representative to have the scanner serviced.
Installing the Software

Note
The DR-2050C setup disc contains the software listed below. Be sure to read the contents of the Readme.txt file before installing the software.

- **ISIS/TWAIN Driver**
  This driver allows this scanner to be used with ISIS compatible application software or TWAIN compatible application software. The driver must be installed to be able to use the scanner.

- **CapturePerfect**
  CapturePerfect is software for scanning images that is ISIS compatible. You need to install the ISIS/TWAIN driver before installing CapturePerfect.

For information about installing the bundled Adobe Acrobat, see the “How To Install” file on the Adobe Acrobat setup disc.
Installing the ISIS/TWAIN Driver

The ISIS/TWAIN driver setup program installs the ISIS/TWAIN driver. Follow the procedure below to install the ISIS/TWAIN driver.

1 Turn ON your PC. Windows starts.

**IMPORTANT**

- If you are using Windows 2000 Professional or Windows XP, be sure to log on as a user with administrator privileges.
- If another ISIS compatible driver is already installed in your PC, you must back up the files listed below. These files may be overwritten when you install this ISIS/TWAIN driver.
  C:\Windows\System\pix*.dll
  C:\Windows\PixTran\*. *
- The name of the “\Windows” and “\Windows\System” folder varies, depending on which version of Windows you are using. Substitute the above folder names with the relevant folder names for Windows used in your system.

2 Insert the setup disc in the PC’s CD-ROM drive.

3 Click the [Start] button, and then select [Run].

The [Run] dialog box appears.
4 In the Open box, enter “D:\Driver\Setup.exe” (assuming that “D” is the letter assigned to your CD-ROM drive), and then click the [OK] button.

![Image of Open dialog box]

The installer starts.

5 Follow the instructions that appear on the screen to install the software.

1. Read the Welcome text, and then click [Next].

![Image of Welcome screen]

2. Read the License Agreement text, and then click [Yes].

![Image of License Agreement screen]
3. Start installation of the ISIS/TWAIN driver.

4. This completes the installation.

6. After installation is complete, click the [Finish] button to exit the installer.

**Note**

When the ISIS/TWAIN driver is installed, Canon DR-2050C Help (see “Using the ISIS/TWAIN Driver,” on p. 36.) and the DR-2050C & 2080C Adjustment Tool (see “Adjusting the Scanner,” on p. 72.) icons are registered to the Start menu.
Installing CapturePerfect

CapturePerfect is ISIS compatible application software. You need to install the ISIS/TWAIN driver before installing CapturePerfect. Follow the procedure below to install CompturePerfect.

1 Turn ON your PC. Windows starts.

**IMPORTANT**

If you are using Windows 2000 Professional or Windows XP, be sure to log on as a user with administrator privileges.

2 Insert the setup disc in the PC’s CD-ROM drive.

3 Click the [Start] button, and then select [Run].

   The [Run] dialog box appears.

4 In the Open box, enter “D:\CapturePerfect\Setup.exe” (assuming that “D” is the letter assigned to your CD-ROM drive), and then click the [OK] button.

   The installer starts.
5 Follow the instructions that appear on the screen to install the software.

1. Select the installation language.

2. Read the Welcome text, and then click [Next].

3. Read the License Agreement text, and then click [Yes].

4. Read the Choose Destination Location text, and then click [Next].
5. This starts the installer.

![Installer Screen]

6. This completes the installation.

![Setup Complete Screen]

6 After installation is complete, click the [Finish] button to exit the installer.

Note
Installing CapturePerfect will put a CapturePerfect icon on your Windows Start Menu. (See “Using CapturePerfect,” on p. 37.)
Uninstalling Software

Follow the procedure described below to uninstall the ISIS/TWAIN driver and CapturePerfect.

**IMPORTANT**

If you are using Windows 2000 Professional or Windows XP, be sure to log on as a user with administrator privileges.

1 Click the [Start] button, point to [Settings], and then click [Control Panel].

**Note**

If you are using Windows XP, on the Start menu, click [Control Panel].

The [Control Panel] window is displayed.

2 Double-click the [Add/Remove Programs] icon.

**Note**

If you are using Windows XP, double-click the [Add or Remove Programs] icon.
The [Add/Remove Programs Properties] dialog box is displayed.

**Note**
If you are using Windows XP, the [Add or Remove Programs] dialog box is displayed.

3 On the list in the dialog box, select the application you want to delete, and then click [Add/Remove].

**Note**
If you are using Windows XP, click the [Change/Remove] button.
4 The [Confirm File Deletion] dialog box appears.

When [Canon DR-2050C/2080C Scanner Driver] is selected.

5 Click the [Yes] button to start the uninstaller.

6 After uninstall is complete, click the [OK] button to exit the uninstaller.
Using the Software

Note
- This section provides only the basic procedures for using installed software. Software applications also have their own help. See the applicable help for details about using each software application.
- For information about the bundled Adobe Acrobat, see Adobe Acrobat help.

Using the ISIS/TWAIN Driver

The ISIS/TWAIN driver help describes how to use the ISIS/TWAIN driver. To access ISIS/TWAIN driver help, click the [Start] button, point to [Programs] (when using Windows XP, point to [All Programs]) - [Canon Document Scanner], and then click [Canon DR-2050C & 2080C Help], or click the [Help] button displayed in the dialog box.

Note
Before using the ISIS/TWAIN Driver, select the scanner [Canon DR-2050C] with the software. For more information, refer to [Canon DR-2050C & 2080C Help] and the manual for the software you are using.
Using CapturePerfect

This section explains the basic procedures to start and exit CapturePerfect. Details about actually using CapturePerfect can be found in CapturePerfect help. To view information about using CapturePerfect, click [Help] on the CapturePerfect menu bar.

Starting CapturePerfect

1. Turn ON the scanner.
2. Turn ON your computer. Windows starts.
3. Click the [Start] button, point to [Programs] (when using Windows XP, point to All Programs), and then click [CapturePerfect].

CapturePerfect starts.
4 On the [Scan] menu, click [Select Scanner].

5 Select [Canon DR-2050C], and then click the [OK] button.

Note
If [Canon DR-2050C] is not displayed in the list of scanners, reinstall the ISIS/TWAIN driver. (See “Installing the ISIS/TWAIN Driver,” on p. 27.)
6 On the [Scan] menu, click [Scanner Setting], and then configure the scanning parameters.

![CapturePerfect 3.0 Interface]

**Note**
For details about how to configure scanning parameters, see ISIS/TWAIN driver help. (See p. 36.)

7 Execute the scan operation from the [Scan] menu.

![CapturePerfect 3.0 Interface]

**Note**
Details about actually using CapturePerfect can be found in CapturePerfect help. To view information about using CapturePerfect, click [Help] on the menu bar.

8 After scanning is complete, select [Exit] on the [File] menu to quit CapturePerfect.
Using the Software

Starting CapturePerfect with the Event Function

DR-2050C and CapturePerfect support Windows Scanner Event function. By installing the ISIS/TWAIN driver and CapturePerfect, CapturePerfect starts automatically when the scanners Start Button is pressed.

Confirming Scanner Event

1. Double-click the [Scanners and Cameras] icon.

![Scanners and Cameras Icon]

**Note**
The dialog box that appears varies depending on the version of Windows being used.

- On Windows Me/XP the [Scanners and Cameras] folder opens.

2. Select [CANON DR-2050C USB], and then click the [Properties] button to display Properties.
3. Click the [Events] tab.

![Image of CANON DR-2050C USB Properties]

4. Make sure that [CapturePerfect] is checked.

![Image of CANON DR-2050C USB Properties]

**Note**

- When an application is started by an event, it may not work correctly depending on the application.
- To disable the Event function, check the [Disable device events] check box.
- Restart Windows to enable new settings after changing the event settings.
Using the Scanner

Documents

This scanner can scan documents ranging in size from business cards and checks to LTR/A4 size documents. The size of documents that can be scanned is shown below.

<table>
<thead>
<tr>
<th>Eject Direction</th>
<th>Page Separation mode</th>
<th>Bypass mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>2.16” to 8.5”</td>
<td>2.16” to 8.5”</td>
</tr>
<tr>
<td></td>
<td>(55 mm to 216 mm)</td>
<td>(55 mm to 216 mm)</td>
</tr>
<tr>
<td>Length</td>
<td>2.75” to 11.6”</td>
<td>2.75” to 13.9”</td>
</tr>
<tr>
<td></td>
<td>(70 mm to 297 mm)</td>
<td>(70 mm to 355 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>14 to 32 lb bond</td>
<td>11 to 40 lb bond</td>
</tr>
<tr>
<td></td>
<td>(52 to 128 g/m²)</td>
<td>(42 to 157 g/m²)</td>
</tr>
<tr>
<td></td>
<td>0.0024” to 0.0059”</td>
<td>0.0020” to 0.0079”</td>
</tr>
<tr>
<td></td>
<td>(0.06 mm to 0.15 mm)</td>
<td>(0.05 mm to 0.20 mm)</td>
</tr>
</tbody>
</table>

**IMPORTANT**

A document must meet the following criteria to be scannable:

- When scanning a multipage document, pages must be grouped together so that they have the same size, thickness, and weight. Scanning different types of paper at one time can cause the scanner to jam.
- Scanning documents before the ink is dry can cause problems with the scanner. Always make sure that the ink on a document is dry before scanning it.
- Scanning documents that are written in pencil or similar material can make the rollers dirty, which can then transfer the dirt to subsequent documents. Always clean the rollers after scanning a document written in pencil.
- When scanning a double-sided document that is printed on thin paper, the image on the opposite side of each page may show through. Adjust the scanning intensity in the application software before scanning the document.
- Scanning the following types of documents can cause a paper jam or malfunction. To scan such a document, make a photocopy of the document and then scan the photocopy.
Preparing the Trays

Prepare the Document Feed Tray in accordance with the document size and type.

Setting Up the Document Feed Tray

Pull the Document Feed Tray towards you to open it.

In the case of a short document, open the Upper Cover.
Using the Document Guide Adapter

When a document becomes skewed during scanning or when scanning a document that is folded in half (P. 52), install the Document Guide Adapter on the Document Guide to keep the document from becoming skewed.

Install the Document Guide Adapter by positioning it as shown in the illustration. Insert the legs of the Document Guide Adapter as far as they go into the Document Guide.

Using the Feed Extension Plate

Under the following conditions, install the Document Guide Adapter, set the document in the scanner, and then pull out the Feed Extension Plate.

- When the document falls forward
- When the document tends to bend forward because the paper is very thin, etc.
Placing a Document for Scanning

There are two methods for paper separation, called the Page Separation mode and Bypass mode for feeding documents. Feeding documents continuously from a stack of documents placed in the feed tray is called the Page Separation mode. Feeding documents one sheet at a time by hand or feeding multiple sheet documents, such as invoices that are attached at one end, is called the Bypass mode. The document feed method can be switched by moving the Feed Selection Lever.

**IMPORTANT**

- When placing a document for scanning, be careful to remove all paper clips, staples, etc., from the document. During the scanning process, such objects can tear the document, cause a paper jam, and damage the scanner.
- Do not wear loose clothing or jewelry that may get caught in the scanner while you are operating it. If they get caught in the scanner it may cause an injury. Be extra careful of neckties and long hair. If anything gets caught in the scanner, quickly unplug the scanner to stop it.
- If the leading edge of the documents are curled, they may cause a paper jam. If the curls are large, straighten them out before scanning.

**How to Feed with the Page Separation Mode**

1. Lower the Feed Selection Lever (Page Separation mode).
2 Adjust the Document Guide to the width of the document being scanned. In the case of an A4 or Letter size document, align the guide with the document positioning mark.

![Image of adjusting Document Guide](image1.png)

**IMPORTANT**
Do not hold the tips of the Document Guide Adaptor when installing it. Doing so can damage the Document Tray.

![Image of Document Guide Adaptor](image2.png)

3 Fan the stack of documents to be scanned, and then angle the stack as shown in the illustration so the top edge of the first page is the lowest. (Set the document in the scanner with the top edge of the document facing downwards.)

![Image offanng documents](image3.png)

**CAUTION**
Handle the document carefully when setting it in the scanner. The edges of the paper can unexpectedly cut your hands.

![Image of caution](image4.png)
4 Set the document in the scanner with the back of the document facing forward and its top edge facing downwards.

![Image of document being loaded into scanner]

**IMPORTANT**
The document sheet capacity is 50 sheets of non-curled sheets. Note, however, that the capacity is less when document pages are not being fed correctly.

5 Adjust the Document Guides so they match the width of the document.

![Image of Document Guides being adjusted]

**Note**
Before starting a scan, make sure that the document is loaded in the scanner correctly. Scanning a curled document or a creased document can damage the document.

6 Start scanning from the application.

**IMPORTANT**
- If the paper feed operation stops due to a system error or a paper jam while the scanner is scanning, resolve the problem, make sure that the scanned image of the last page that was fed has been stored, and then resume the scanning operation.
- After you finish scanning, close the Document Feed Tray and the Upper Cover to prevent damage to the scanner while it is not being used.
How to Feed with the Bypass Mode

1 Raise the Feed Selection Lever (Bypass mode).

2 Adjust the Document Guide to the width of the document being scanned. In the case of an A4 or Letter size document, align the guide with the document positioning mark.

3 Start scanning from the application.
4 Set the document in the scanner with the back of the document facing forward and its top edge facing downwards.

The document is scanned as it is detected.

**IMPORTANT**

- When scanning documents that are fastened together, such as invoices, set the edge that is fastened together as the leading edge.
- After you finish scanning, close the Document Feed Tray and the Upper Cover to prevent damage to the scanner while it is not being used.
Clearing a Paper Jam

When paper jams occur during scanning, use the following procedure to clear them.

⚠️ **CAUTION**

Be careful when removing jammed paper. It is possible to cut your hand on the edge of a sheet of paper.

1. If the Document Feed Tray is closed, open it.

![Image of Document Feed Tray open]

2. Pressing the OPEN Knob from both sides (①), pull the Front Unit forward to open it (②).

![Image of opening the Front Unit]
3 Remove the jammed document from the feed side or the output side.

![Image of removing jammed document](image1)

**IMPORTANT**

Be sure to pull the document out carefully, without applying too much force. Should the document tear, be sure to remove any part remaining in the scanner.

4 Gently press the left and right sides of the top of the Front Unit. Be sure that the upper unit is completely closed by pushing on both edges with both hands until you hear a click.

![Image of closing document feed tray](image2)

5 Close the Document Feed Tray as required.

![Image of closing document feed tray](image3)

**Note**

After removing the jammed paper, check to see if the last page was scanned, and then continue scanning.
Other Functions

This scanner also supports the scanning functions described below.

Scanning Folio (Folded Document)

The scanner uses a folio scanning method to scan documents that are bigger than LTR/A4 size (maximum A3 size). To do folio scanning, fold the document in half and place it on the scanner. Both sides of the folded document are scanned and combined into a single image.

IMPORTANT
- Attach the Document Guide Adaptors to prevent documents from skewing when doing folio scan. (See p. 44.)
- Use nonseparated document scanning when doing folio scan.
- Firmly set the fold in the document. The fold in the document may cause paper jams or misaligned images.

Note
- Folio scanning is set in the ISIS/TWAIN driver.
- The image on the front of the folded document appears as the right side of the image.
- Combined images can be a maximum of A3 size.
- A seam may appear where the images are combined if the document or the fold in the document is crooked.
- When scanning a document that is folded in half, position the fold on the right side (①) and raise the Feed Selection Lever (②).
- When scanning multiple documents that are folded in half, set sheets into the scanner one-by-one.
Regular Maintenance

Clean the scanner on a regular basis as described below to maintain peak scanning quality.

⚠️ CAUTION
- When cleaning the scanner or inside of the scanner, turn OFF the power switch and unplug the Power Cord from the outlet.
- Scanner power needs to be turned on when cleaning the metal rollers. Because of this, you need to exercise extra caution when cleaning them.
- Do not use spray type cleaners to clean the scanner. Precision mechanisms, such as the light source, may get wet, which will cause a malfunction.
- Never use paint thinner, alcohol, or other organic solvents to clean the scanner. Such solvents can damage or discolor the exterior of the scanner. They also create a risk of fire or electrical shock.

Cleaning the Scanner

To clean the front of the scanner, moisten a cloth with plain water, wring out excess water, wipe the surface and then dry it with a clean dry cloth.

Cleaning Inside the Scanner

Dust or paper particles inside the scanner can cause lines in scanned images. Use a blower for regular cleaning of dust and paper particles from inside the scanner. After finishing a large scanning job, you should turn OFF the scanner and then clean any paper particles that are remaining.
Cleaning the Sensor Glass and the Rollers

If scanned images have extraneous marks, or if the scanned documents are dirty, then the sensor glass or rollers inside the scanner may be dirty. Clean them periodically.

1. Open the Document Feed Tray.

2. Pressing the OPEN Knob from both sides (①), pull the Front Unit forward to open it (②).

3. Use a blower to keep the interior of the scanner free of dust and paper particles.

4. Use a clean dry cloth to wipe dirt off the sensor glass. Wipe both the top and bottom sensor glasses.

⚠️ CAUTION

Do not use spray type cleaners to clean the scanner. Precision mechanisms, such as the light source, may get wet which will cause a malfunction.

🔥 IMPORTANT

Scratches on the sensor glass may cause marks on the images and could cause feeding errors. If there are scratches on the sensor glass, contact your local authorized Canon dealer or service representative.
5 Rotate the rollers ① and ② as you clean them. Moisten a cloth with plain water, wring out excess water, wipe the rollers and then dry it with a clean dry cloth.
①: Rotate as you wipe.
②: Rotate in the direction of the arrows as you wipe.
③: (Retard Roller) Remove the roller from the scanner, wipe it clean, and then reinstall it. (See “Removing and Attaching the Retard Roller,” on p. 64.)
④: (Feed Roller) Remove the roller from the scanner, wipe it clean, and then reinstall it. (See “Removing and Attaching the Feed Roller,” on p. 60.)

6 Remove the Feed Roller ④ and Retard Roller ③. (See p.60, p. 64.)
7 Wipe the removed rollers with a firmly wrung cloth moistened with water.

8 Attach the rollers that were removed. (See p.61, p. 65.)
9 Carefully close the Front Unit.
Cleaning the Metal Rollers

1 Turn on the scanner.

2 Open the Document Feed Tray.

3 Pressing the OPEN Knob from both sides (①), pull the Front Unit forward to open it (②).

4 Use a clean dry cloth to wipe the metal rollers (■ parts in the illustration). Press the Start Button and Stop Button at the same time to rotate the metal rollers in small increments.

⚠️ CAUTION

- There are two metal rollers, one for the Front Unit and one for the scanner. Be sure to wipe both of them. Do not spray water or neutral detergent directly on the metal rollers. Doing so can damage precision mechanisms, such as the light source. Moisture on the scanner or your hands also creates the risk of electric shock.
- Scanner power needs to be turned on when cleaning the metal rollers. Because of this, you need to exercise extra caution when cleaning them.
Removing and Attaching the Rollers

Follow the relevant procedure to remove and attach the feed roller and retard roller when you clean or replace them.

**IMPORTANT**
Feed rollers are consumable parts. When the rollers start to wear out, paper jams and misfeeds may occur more often. When this happens, buy an exchange roller kit, and replace the feed roller and the retard roller.

**CAUTION**
Do not use excessive force when removing or attaching the rollers. Doing so may damage them.

Roller Replacement Cycle

When the number of pages scanned exceeds 30,000, a roller replacement message will appear when the computer is started. Buy an exchange roller kit, and replace the feed roller and the retard roller.

**IMPORTANT**
- If misfeeds happen often, check the rollers for wear, and replace them if necessary before the message is displayed.
- Be sure to reset the counter after replacing the rollers. (See “Resetting the Counter,” on p. 58.)
- Contact your local authorized Canon dealer or service representative for information about the exchange roller kit (feed roller and retard roller).
Resetting the Counter

After replacing the feed rollers, reset the counter according to the following procedure.

1 Click the [Start] button, point to [Settings], and then click [Control Panel].

2 Double-click the [Scanners and Cameras] icon.
3 Click on [Properties] for the scanner you are using.

![Scanner Properties](image1.png)

4 Click the [Counter] tab.

![Scanner Counter](image2.png)

5 Press the [Reset] button, and then make sure that the counter for the roller being used is set to 0.

![Scanner Counter Reset](image3.png)
Removing and Attaching the Feed Roller

Follow the procedure below to remove and attach the feed roller for cleaning or replacement.

**Note**  
When attaching the feed roller during installation, operate the roller fastening lever according to the removal procedure and then attach the feed roller.

**CAUTION**  
Do not use excessive force when removing or attaching the feed roller. Doing so may damage them.

**Removing the Feed Roller**

1. Pressing the OPEN Knob from both sides (①), pull the Front Unit forward to open it (②).

2. Open the roller cover on the scanner side. Insert a finger into the depression in the cover and open it.
3 Raise the roller lock lever (1), and then slide it to the left (2).

4 Shift the Feed Roller to the left to separate it from the shaft, and then remove it.

Attaching the Feed Roller

1 Set the Feed Roller into the hollow inside the roller cover, and align the notch in the roller with the scanner shaft.
2 Slide the roller lock lever to the right, and then insert the shaft into the hole on the left side of the roller.

3 Lower the lever to lock the roller shaft.

4 Close the roller cover. Return the cover fully to its original position until you hear it click into place.
5 Gently press the left and right sides of the top of the Front Unit. Return the unit fully to its original position until you hear it click into place.

6 Close the Document Feed Tray and Upper Cover.
Removing and Attaching the Retard Roller

Follow the procedure below to remove and attach the retard roller for cleaning or replacement.

⚠️ CAUTION
Do not use excessive force when removing or attaching the rollers. Doing so may damage them.

Removing the Retard Roller

1. Pressing the OPEN Knob from both sides (①), pull the Front Unit forward to open it (②).

2. Holding the edges of the roller cover on the inside of the Front Unit, open the cover.

3. Raise the roller lock lever (①), and then slide it to the left (②).
4 Shift the Retard Roller to the left to separate it from the shaft, and then remove it.

Attaching the Retard Roller

1 Position the retard roller so the notch in the roller is facing the scanner’s shaft.

2 Slide the roller lock lever to the right, and then insert the shaft into the hole on the left side of the Retard Roller.
3 Push the roller lock lever towards the back of the scanner to lock the retard roller in place.

4 Attach the roller cover. Be sure that the upper unit is completely closed by pushing on both edges with both hands until you hear a click.
Troubleshooting

This section describes common problems that may occur while you are using the scanner, and how to resolve them.

Refer to the troubleshooting section related to the problem that you have encountered.

The Scanner Does Not Turn ON ................................................ p. 67.
The PC Does Not Recognize the Scanner ................................. p. 68.
Scanning Is Slow ........................................................................ p. 68.
Images Are Not Scanned............................................................ p. 69.
Documents Do Not Feed Properly.............................................. p. 69.
Paper is not ejected correctly .................................................... p. 70.
Resulting Scanned Images Are Not Correct ............................ p. 71.

If after consulting the above section you still cannot resolve the problem, contact your local authorized Canon dealer or your service representative.

The Scanner Does Not Turn ON

Check the following:

• Is the power switch in the ON position? (See p. 22.)
• Is the Power Cord connected securely? (See P. 20.)
• Is the Power Cord plugged into an outlet? (See p. 20.)
## The PC Does Not Recognize the Scanner

The following are possible causes of the PC failing to recognize the scanner. Check each possible cause.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The scanner is not connected correctly.</td>
<td>Check the USB cable connections between the scanner and the PC. (See p. 21.)</td>
</tr>
<tr>
<td>The USB 2.0 interface card is not inserted in the PC correctly.</td>
<td>Reseat the USB 2.0 interface card in the PC correctly, referring to the instruction manual for the USB 2.0 interface card. Also, confirm whether the USB interface card is recognized by the operating system you are using.</td>
</tr>
<tr>
<td>The scanner is not ON.</td>
<td>Refer to “The Scanner Does Not Turn On,” on p. 67 and make sure that the scanner is turned ON. If the scanner is not turned ON, turn it ON. (See p. 22.)</td>
</tr>
<tr>
<td>The USB 2.0 interface card does not support the scanner.</td>
<td>Use the recommended USB 2.0 interface card. (See p. 19.)</td>
</tr>
<tr>
<td>The scanner does not support the USB cable.</td>
<td>Use the USB cable provided with the scanner. (See p. 21.)</td>
</tr>
<tr>
<td>The scanner does not support the USB HUB.</td>
<td>Remove the USB HUB to use the scanner. (See p. 21.)</td>
</tr>
</tbody>
</table>

## Scanning Is Slow

The following problems might cause the scanner to be slow. Try the solutions according to the problem.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The USB 2.0 interface card does not support Hi-Speed 2.0.</td>
<td>Use the recommended USB 2.0 interface card. (See p. 19.)</td>
</tr>
<tr>
<td>The USB 2.0 interface cable does not support Hi-Speed 2.0.</td>
<td>Use the USB cable provided with the scanner. (See p. 21.)</td>
</tr>
<tr>
<td>The USB HUB does not support Hi-Speed 2.0.</td>
<td>Remove the HUB or replace it with one that supports Hi-Speed 2.0. (See p. 21.)</td>
</tr>
</tbody>
</table>
Images Are Not Scanned

Check the following if the scanner does not scan an image even though the scanning operation is being performed:

- Is the scanner correctly connected to the PC?
- Has the scanner driver been installed?
- Has the application software been installed correctly? Has the application software been set up correctly?
- Is there a problem in the PC system?

**IMPORTANT**

- When system errors result in the scanner not functioning at all, turn OFF the scanner and wait at least ten seconds before turning it back ON. If an error continues to occur, restart the computer.
- Make sure that the last document scanned was scanned correctly when scanning continues.

Documents Do Not Feed Properly

The following are possible causes of a document failing to feed properly. Check each possible cause.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Attempting to scan a document of a size, thickness, or weight that the scanner cannot scan.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remedy</td>
<td>Check the size, thickness, and weight of the document. For precautions concerning documents, see “Documents,” on p. 42.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cause</th>
<th>The rollers inside the scanner are dirty or worn.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remedy</td>
<td>Refer to page 54 and clean the rollers. If the rollers are worn, then they need to be replaced. Contact your local authorized Canon dealer or service representative to purchase a roller replacement kit.</td>
</tr>
</tbody>
</table>

For details on how to clear jammed paper, see “Clearing a Paper Jam,” on p. 50.
Paper is not ejected correctly

When you are performing page-by-page scanning while a multi-page document is set in the scanner, scanning pauses with the trailing edge of the scanned sheet being engaged by the eject roller.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Under these conditions, the scanner enters a standby state and pauses for the next sheet. It does not indicate a paper jam.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remedy</td>
<td>To scan the next sheet of the document, manually remove the page that is engaged by the eject roller, or just start the next scan job.</td>
</tr>
</tbody>
</table>

For details on how to clear jammed paper, see “Clearing a Paper Jam,” on p. 50.
**Resulting Scanned Images Are Not Correct**

If the resulting scanned images are not crisp, if there are lines or spots on the images, or if there is some other problem with scanned images, likely causes are listed below. Check each item and take the appropriate action.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The sensor glass or the rollers inside the scanner are dirty.</td>
<td>Clean the sensor glass and rollers as described on p. 54.</td>
</tr>
<tr>
<td>The scanner's internal platen glass is scratched.</td>
<td>Contact your local authorized Canon dealer or service representative.</td>
</tr>
<tr>
<td>The application software is not set up properly for scanning.</td>
<td>Check the scanning related settings, such as brightness in the application software. For example, if the document cannot be scanned at all, it is possible that the brightness setting is too high. If the resulting scanned images are too dark, it is possible that the brightness setting is too low.</td>
</tr>
<tr>
<td>The scanner driver or application software is not running normally.</td>
<td>If the software is set properly for scanning and scanning is still not possible, it is possible that the scanner driver or the application software is not running normally. Reinstall the scanning driver or the application software. For details on how to install the scanner driver, see “Installing the ISIS/TWAIN Driver,” on p. 27. For details on how to install the application software, refer to the application software instruction manual.</td>
</tr>
<tr>
<td>Attempting to use a function of the DR-2050C that is not supported by the application software.</td>
<td>Certain application software may not support auto page size detection or other functions. You may experience abnormal scanning results when scanning with such an application. If this happens, try scanning again after turning off auto paper size detection, etc.</td>
</tr>
</tbody>
</table>

If you continue to have problems with the scanned image after trying the above countermeasures, try using the following procedure to adjust the scanner.
Adjusting the Scanner

To adjust the scanner, set the supplied Adjustment Sheet (Shading Sheet) in the scanner. Orient the adjusting sheet in the direction indicated by the arrow when setting it in the scanner. After setting the Adjustment Sheet in the scanner, click the Windows Start button and then click Programs (All Programs in the case of WindowsXP), Canon Document Scanner, and then DR-2050C & 2080C Adjustment Tool, or use the scanner adjustment function of the ISIS/TWAIN driver. Follow the instructions on the dialog box that appears on the screen to adjust the scanner. Refer to Help for the ISIS/TWAIN Driver for information about the ISIS/TWAIN Driver scanner adjustment.

⚠️ CAUTION

Before performing scanner adjustment, be sure to clean the sensor glass (see P. 54). Attempting to perform scanner adjustment while the sensor glass is dirty can cause vertical lines in the scanned image. Note that performing scanner adjustment will cause previous adjustment data to be deleted. Once deleted, adjustment data cannot be recovered.
## Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Counter Top Image Scanner</th>
</tr>
</thead>
</table>

### Scanning Document Specifications

| Width: | 2.16” to 8.50” (55 mm to 216 mm) |
| Length: | |
| (separated documents) | 2.75” to 11.6” (70 mm to 297 mm) |
| (nonseparated documents) | 2.75” to 13.9” (70 mm to 355 mm) |

| Weight: | |
| (separated documents) | 14 to 32 lb bond (0.0024” to 0.0059”) |
| (nonseparated documents) | 11 to 40 lb bond (0.0020” to 0.0079”) |

### Document Feeding Method

Automatic

### Scanning Method

Contact image sensor

### Light Source

LED

### Scanning Side

Simplex/Duplex

### Scanning Modes

Black and white, Advanced text enhancement, Error diffusion, 256-level grayscale, 24 bit color

### Scanning Resolution

(Primary Scan Lines x Secondary Scan Lines)

<table>
<thead>
<tr>
<th>100 x 100 dpi</th>
<th>150 x 150 dpi</th>
<th>200 x 200 dpi</th>
<th>240 x 240 dpi</th>
<th>300 x 300 dpi</th>
<th>400 x 400 dpi</th>
<th>600 x 600 dpi</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 x 100 dpi</td>
<td>200 x 200 dpi</td>
<td>300 x 300 dpi</td>
<td>400 x 400 dpi</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Scanning Speed

(Conditions: CPU Celeron 733 MHz; 256 MB RAM; Document Size: A4)

<table>
<thead>
<tr>
<th>Black and White</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>200 x 200 dpi</td>
</tr>
<tr>
<td>300 x 300 dpi</td>
<td>11 pages/minute</td>
</tr>
<tr>
<td>Duplex</td>
<td>200 x 200 dpi</td>
</tr>
<tr>
<td>300 x 300 dpi</td>
<td>20 images/minute</td>
</tr>
<tr>
<td>256-level Gray</td>
<td></td>
</tr>
<tr>
<td>Simplex</td>
<td>200 x 200 dpi</td>
</tr>
<tr>
<td>300 x 300 dpi</td>
<td>11 pages/minute</td>
</tr>
<tr>
<td>Duplex</td>
<td>200 x 200 dpi</td>
</tr>
<tr>
<td>300 x 300 dpi</td>
<td>20 images/minute</td>
</tr>
<tr>
<td>24-bit Color</td>
<td></td>
</tr>
<tr>
<td>Simplex</td>
<td>100 x 100 dpi</td>
</tr>
<tr>
<td>200 x 200 dpi</td>
<td>7 pages/minute</td>
</tr>
<tr>
<td>Duplex</td>
<td>100 x 100 dpi</td>
</tr>
<tr>
<td>200 x 200 dpi</td>
<td>12 images/minute</td>
</tr>
</tbody>
</table>
### Interface
- Hi-Speed USB 2.0

### Other Functions
- Auto document thickness adjustment, folio scan

### Dimensions
- 11.7” x 7.7” x 3.9” (W x H x D)
  298 mm x 197 mm x 100 mm (W x H x D)
- 11.7” x 12.7” x 5.2” (W x H x D)
  298 mm x 323 mm x 132 mm (W x H x D)

### Dimensions (with trays open)
- 11.7” x 7.7” x 3.9” (W x H x D)
  298 mm x 197 mm x 100 mm (W x H x D)
- 11.7” x 12.7” x 5.2” (W x H x D)
  298 mm x 323 mm x 132 mm (W x H x D)

### Weight
- Approximately 5.0 lb (2.5 kg)
  (Excluding the AC adaptor)

### Power Supply
- DC16V 0.8A

### Power Consumption
- Scanning: 13 W maximum
- Standby: 4 W
- Power SW OFF: 0.4 W

### Noise
- Not more than 66 dB

### Operating Environment
- Temperature: 10°C to 32.5°C (50°F to 90.5°F)
- Humidity: 20% to 80% RH

---

### AC Adaptor (100 - 240V)

<table>
<thead>
<tr>
<th>Model</th>
<th>MG1-3607</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>AC 100-240V 50/60Hz 0.65-0.34A</td>
</tr>
<tr>
<td>Output</td>
<td>DC16V 1.8A</td>
</tr>
<tr>
<td>Power Supply</td>
<td>0.5 W max. (separate AC adaptor)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approximately 0.7 lb (0.3 kg) (including Power Cord)</td>
</tr>
</tbody>
</table>

### Replacement Parts

Roller replacement kit (product code: 7982A001)
Kit to replace the feed rollers (feed roller and retard roller).
- Refer to “Removing and Attaching the Rollers,” on p. 65 for information about replacing the rollers.
- Contact your local authorized Canon dealer or service representative for detailed information about the replacement parts.
- Specifications are subject to change without notice.
External Dimensions

Units: inches (units in parentheses are millimeters)
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FCC REGULATIONS (For 120 V model)

Document Scanner, Model M11055

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 shielded cable is required to comply with class B limits in Subpart B of Part 15 of 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.
One Canon Plaza, Lake Success NY 11042, U.S.A.
Tel. No. (516)328-5600

RADIO INTERFERENCE REGULATIONS (For 120 V models)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Interference-causing equipment standard entitled “Digital Apparatus”, ICES-003 of the Industry Canada.

RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE (For 120 V models)

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: “Appareils Numériques”, NMB-003 édictée par l’Industrie Canada.

Für EMVG
Dieses Produkt ist zum Gebrauch im Wohnbereich, Geschäfts-und Gewerbebereich sowie in Kleinbetrieben vorgesehen.

Für 3. GSGV
Maschinenlärminformationsverordnung 3. GSGV, 18.01.1991: Der höchste Schalldruckpegel beträgt 70 dB(A) oder weniger gemäß EN 27779.

MODEL NAMES
Model DR-2050C is identical to model M11055.