

# DCP-110C

---

**brother**

Version A

## If you need to call Customer Service

Please complete the following information for future reference:

**Model Number:** DCP-110C

**Serial Number:\*** \_\_\_\_\_

**Date of Purchase:** \_\_\_\_\_

**Place of Purchase:** \_\_\_\_\_

\* The serial number is on the back of the unit. Retain this User's Guide with your sales receipt as a permanent record of your purchase, in the event of theft, fire or warranty service.

**Register your product on-line at**

<http://www.brother.com/registration>

By registering your product with Brother International Corporation, you will be recorded as the original owner of the product. Your registration with Brother:

- may serve as confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

The most convenient and efficient way to register your new product is on-line at <http://www.brother.com/registration>

# Brother numbers

## IMPORTANT

For technical help, you must call the country where you bought the DCP. Calls must be made **from within** that country.

## Register your product

By registering your product with Brother International Corporation, you will be recorded as the original owner of the product. Your registration with Brother:

- may serve as confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

Please complete and fax the Brother Warranty Registration And Test Sheet or, for your convenience and most efficient way to register your new product, register on-line at

<http://www.brother.com/registration>

## Frequently asked questions (FAQs)

The Brother Solutions Center is our one-stop resource for all your Fax Machine/Multi-Function Center needs. You can download the latest software and utilities, read FAQs and troubleshooting tips to learn how to get the most from your Brother product.

<http://solutions.brother.com>



You can check here for Brother driver updates.

## For Customer Service

- In USA:** 1-800-284-4329 (voice)  
1-901-379-1215 (fax)  
1-800-284-3238 (TTY service for the hearing-impaired)
- In Canada:** 1-877-BROTHER (voice)  
(514) 685-4898 (fax)

### Service Center Locator (USA only)

For the location of a Brother authorized service center, call 1-800-284-4357.

### Service Center Locations (Canada only)

For the location of a Brother authorized service center, call 1-877-BROTHER.

## Brother fax back system (USA only)

---

Brother has installed an easy-to-use fax back system, so you can get instant answers to common technical questions and product information for all Brother products. This system is available 24 hours a day, 7 days a week. You can use the system to receive faxed instructions and an Index of fax back subjects.

**In USA only:** 1-800-521-2846

## Ordering accessories and supplies

For best quality results use only genuine Brother accessories, which are available at most Brother retailers. If you cannot find the accessory you need and you have a Visa, MasterCard, Discover, or American Express credit card, you can order accessories directly from Brother. (In the USA, you can visit us online for a complete selection of the Brother accessories and supplies that are available for purchase.)

**In USA:** 1-888-879-3232 (voice)  
1-800-947-1445 (fax)

<http://www.brothermall.com>

**In Canada:** 1-877-BROTHER (voice)

| Description   | Item  |
|---|---|
| Ink Cartridge <black>                                   | LC41BK (Prints up to 500 pages)   |
| Ink Cartridge <cyan> (blue)                             | LC41C (Prints up to 400 pages)  |
| Ink Cartridge <magenta> (red)                           | LC41M (Prints up to 400 pages)  |
| Ink Cartridge <yellow>                                  | LC41Y (Prints up to 400 pages)  |
| Premium Glossy Photo Paper<br>(Letter size / 20 sheets) | BP60 GLL  |
| Matte Inkjet Paper<br>(Letter size / 25 sheets)         | BP60 ML   |
| Inject Plain Paper<br>(Letter size / 250 sheets)        | BP60 PL   |
| External Wireless Print/Scan<br>Server (Option)         | NC-2200w  |
| User's Guide  | LP0030001 (English for USA and Canada)<br>LP0041001 (French For Canada) |

## **Notice - Disclaimer of Warranties (USA and Canada)**

BROTHER'S LICENSOR(S), AND THEIR DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS (COLLECTIVELY BROTHER'S LICENSOR) MAKE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE SOFTWARE. BROTHER'S LICENSOR(S) DOES NOT WARRANT, GUARANTEE OR MAKE ANY REPRESENTATIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE SOFTWARE IN TERMS OF ITS CORRECTNESS, ACCURACY, RELIABILITY, CURRENTNESS OR OTHERWISE. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE SOFTWARE IS ASSUMED BY YOU. THE EXCLUSION OF IMPLIED WARRANTIES IS NOT PERMITTED BY SOME STATES IN THE USA AND SOME PROVINCES IN CANADA. THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

IN NO EVENT WILL BROTHER'S LICENSOR(S) BE LIABLE TO YOU FOR ANY CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES (INCLUDING DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, AND THE LIKE) ARISING OUT OF THE USE OR INABILITY TO USE THE SOFTWARE EVEN IF BROTHER'S LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES IN THE USA AND SOME PROVINCES IN CANADA DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. IN ANY EVENT BROTHER'S LICENSOR'S LIABILITY TO YOU FOR ACTUAL DAMAGES FROM ANY CAUSE WHATSOEVER, AND REGARDLESS OF THE FORM OF THE ACTION (WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR OTHERWISE), WILL BE LIMITED TO \$50.

## **Compilation and Publication Notice**

Under the supervision of Brother Industries Ltd., this manual has been compiled and published, covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

# Brother® One Year Limited Warranty and Replacement Service (USA only)

## Who is covered:

- This limited warranty ("warranty") is given only to the original end-use/retail purchaser (referred to in this warranty as "Original Purchaser") of the accompanying product, consumables and accessories (collectively referred to in this warranty as "this Product").
- If you purchased a product from someone other than an authorized Brother reseller in the United States or if the product was used (including but not limited to floor models or refurbished product), prior to your purchase you are not the Original Purchaser and the product that you purchased is not covered by this warranty.

## What is covered:

- This Product includes a Machine and Consumable and Accessory Items. Consumable and Accessory Items include but are not limited to print heads, toner, drums, ink cartridges, print cartridges, refill ribbons, therma PLUS paper and thermal paper.
- Except as otherwise provided herein, Brother warrants that the Machine and the accompanying Consumable and Accessory Items will be free from defects in materials and workmanship, when used under normal conditions.
- This warranty applies only to products purchased and used in the United States. For products purchased in, but used outside, the United States, this warranty covers only warranty service within the United States (and does not include shipping outside the United States).

## What is the length of the Warranty Periods:

- Machines: one year from the original purchase date.
- Accompanying Consumable and Accessory Items: 90 days from the original purchase date or the rated life of consumable, whichever comes first.

## What is NOT covered:

This warranty does not cover:

- (1) Physical damage to this Product;
- (2) Damage caused by improper installation, improper or abnormal use, misuse, neglect or accident (including but not limited to transporting this Product without the proper preparation and/or packaging);
- (3) Damage caused by another device or software used with this Product (including

but not limited to damage resulting from use of non Brother®-brand parts and Consumable and Accessory Items);

- (4) Consumable and Accessory Items that expired in accordance with a rated life; and,
- (5) Problems arising from other than defects in materials or workmanship.
- (6) Normal Periodic Maintenance Items, such as Paper Feeding Kit, Fuser and Laser Units.

This limited warranty is VOID if this Product has been altered or modified in any way (including but not limited to attempted warranty repair without authorization from Brother and/or alteration/removal of the serial number).

## What to do if you think your Product is eligible for warranty service:

Report your issue to either our Customer Service Hotline at 1-800-284-4329 for Fax, MFC and DCP and 1-800-276-7746 for Printers, or to a Brother Authorized Service Center **within the applicable warranty period**. Supply Brother or the Brother Authorized Service Center with a copy of your dated bill of sale showing that this Product was purchased within the U.S. For the name of local Brother Authorized Service Center(s), call 1-800-521-2846.

## What Brother will ask you to do:

After contacting Brother or a Brother Authorized Service Center, you may be required to deliver (by hand if you prefer) or send the Product properly packaged, freight prepaid, to the Authorized Service Center together with a photocopy of your bill of sale.

**You are responsible for the cost of shipping, packing product, and insurance (if you desire). You are also responsible for loss or damage to this Product in shipping.**

## What Brother will do:

If the problem reported concerning your Machine and/or accompanying Consumable and Accessory Items is covered by this warranty and if you first reported the problem to Brother or an Authorized Service Center within the applicable warranty period, Brother or its Authorized Service Center will repair or replace the Machine and/or accompanying Consumable and Accessory Items at no charge to you for parts or labor. The decision as to whether to repair or replace the Machine and/or accompanying Consumable and Accessory Items is made

## Brother® One Year Limited Warranty and Replacement Service (USA only)

by Brother in its sole discretion. Brother reserves the right to supply a refurbished or remanufactured replacement Machine and/or accompanying Consumable and Accessory Items and use refurbished parts provided such replacement products conform to the manufacturer's specifications for new product/parts. The repaired or replacement Machine and/or accompanying Consumable and Accessory Items will be returned to you freight prepaid or made available for you to pick up at a conveniently located Authorized Service Center.

If the Machine and/or accompanying Consumable and Accessory Items are not covered by this warranty (either stage), you will be charged for shipping the Machine and/or accompanying Consumable and Accessory Items back to you and charged for any service and/or replacement parts/products at Brother's then current published rates.

**The foregoing are your sole (i.e., only) and exclusive remedies under this warranty.**

**What happens when Brother elects to replace your Machine:**

When a replacement Machine is authorized by Brother, and you have delivered the Machine to an Authorized Service Center, the Authorized Service Center will provide you with a replacement Machine after receiving one from Brother. If you are dealing directly with Brother, Brother will send to you a replacement Machine with the understanding that you will, after receipt of the replacement Machine, supply the required proof of purchase information, together with the Machine that Brother agreed to replace. You are then expected to pack the Machine that Brother agreed to replace in the package from the replacement Machine and return it to Brother using the pre-paid freight bill supplied by Brother in accordance with the instructions provided by Brother. Since you will be in possession of two machines, Brother will require that you provide a valid major credit card number. Brother will issue a hold against the credit card account number that you provide until Brother receives your original Product and determines that your original Product is entitled to warranty coverage. Your credit card will be charged up to the cost of a new Product only if: (i) you do not return your original Product to Brother within five (5) business days; (ii) the problems with your original Product are not covered by the limited warranty; (iii) the proper packaging instructions are not followed and has caused damage to the

product; or (iv) the warranty period on your original Product has expired or has not been sufficiently validated with a copy of the proof of purchase (bill of sale). The replacement Machine you receive (even if refurbished or remanufactured) will be covered by the balance of the limited warranty period remaining on the original Product, plus an additional thirty (30) days. You will keep the replacement Machine that is sent to you and your original Machine shall become the property of Brother. **Retain your original Accessory Items and a copy of the return freight bill, signed by the courier.**

### Limitations:

Brother is not responsible for damage to or loss of any equipment, media, programs or data related to the use of this Product. Except for that repair or replacement as described above, Brother shall not be liable for any direct, indirect, incidental or consequential damages or specific relief. Because some states do not allow the exclusion or limitation of consequential or incidental damages, the above limitation may not apply to you.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, WHETHER EXPRESSED BY AFFIRMATION, PROMISE, DESCRIPTION, DRAWING, MODEL OR SAMPLE. ANY AND ALL WARRANTIES OTHER THAN THIS ONE, WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED.

- This Limited Warranty is the only warranty that Brother is giving for this Product. It is the final expression and the exclusive and only statement of Brother's obligations to you. It replaces all other agreements and understandings that you may have with Brother or its representatives.
- This warranty gives you certain rights and you may also have other rights that may vary from state to state.
- This Limited Warranty (and Brother's obligation to you) may not be changed in any way unless you and Brother sign the same piece of paper in which we (1) refer to this Product and your bill of sale date, (2) describe the change to this warranty and (3) agree to make that change.

**Important:** *We recommend that you keep all original packing materials, in the event that you ship this Product.*

## **BROTHER MULTIFUNCTION CENTER/FACSIMILE MACHINE LIMITED WARRANTY (Canada only)**

Pursuant to this limited warranty of 1 year from the date of purchase for labour and parts, Brother International Corporation (Canada) Ltd. ("Brother"), or its Authorized Service Centers, will repair this MFC/Facsimile machine free of charge if defective in material or workmanship. This Limited Warranty does not include cleaning, consumables (including, without limitation, print cartridges, print head, toner and drum) or damage caused by accident, neglect, misuse or improper installation or operation, any damage caused from service, maintenance, modifications, or tampering by anyone other than a Brother Authorized Service Representative, or from the use of supplies or consumable items that are non-Brother products. Operation of the MFC/Facsimile machine in excess of the specifications or with the Serial Number or Rating Label removed shall be deemed abuse and all repairs thereafter shall be the sole liability of the end-user/purchaser. In order to obtain warranty service, the DCP/Facsimile machine must be delivered or shipped freight prepaid by the end user/purchaser to a "Brother" Authorized Service Center, together with your Proof of Purchase in the form of a Sales Receipt.

For laser products: Failure to remove the Toner Cartridge (and Toner Drum Unit on applicable models) during shipping will cause severe damage to the MFC/Facsimile and will VOID the Warranty. (Refer to your User's Guide for proper packaging.)

For ink-jet products: Do not remove the ink cartridges during shipping. Damage to your print head resulting from packing without the ink cartridges will VOID your warranty. (Refer to your User's Guide for proper packaging.)

**BROTHER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT TO THE EXTENT THAT ANY WARRANTIES IMPLIED BY LAW CANNOT BE VALIDLY WAIVED.**

No oral or written information, advice or representation provided by Brother, its Authorized Service Centers, Distributors, Dealers, Agents or employees, shall create another warranty or modify this warranty. This warranty states Brother's entire liability and your exclusive remedy against Brother for any failure of the MFC/Facsimile machine to operate properly.

Neither Brother nor anyone else involved in the development, production, or delivery of this MFC/Facsimile machine shall be liable for any indirect, incidental, special, consequential, exemplary, or punitive damages, including lost profits, arising from the use of or inability to use the product, even if advised by the end user/purchaser of the possibility of such damages. Since some Provinces do not allow the above limitation of liability, such limitation may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from Providence to Providence.

**Warranty Service is available at Brother Authorized Service Centers throughout Canada. For Technical Support or for the name and location of your nearest Authorized Service Center call 1-877-BROTHER.**

**Internet support: [support@brother.ca](mailto:support@brother.ca) or browse**

**Brother's Web Site: [www.brother.com](http://www.brother.com)**

Brother International Corporation (Canada) Ltd.

1 Rue Hôtel de Ville

Dollard-Des-Ormeaux, QC H9B 3H6

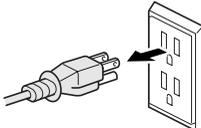
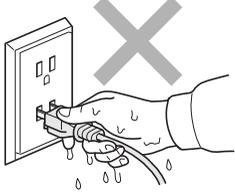
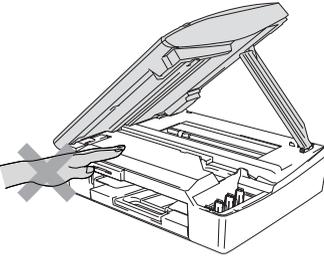
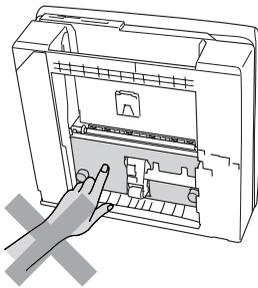
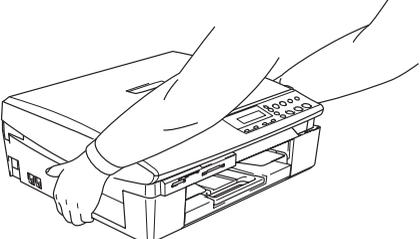
At your side.  
**brother**®

# Safety precautions

## To use the DCP safely

Please refer to these instructions for later reference and before attempting any maintenance.

### WARNING

|   |   |   |   |
|---|---|---|---|
|    | <p>There are high voltage electrodes inside the DCP. Before you clean the DCP, make sure you have unplugged the power cord from the AC power outlet</p>    |  | <p>Do not handle the plug with wet hands. Doing this might cause an electrical shock.</p>  |
|    | <p>To prevent injuries, be careful not to put your hands on the edge of the DCP under the scanner cover.</p>    |  | <p>To prevent injuries, be careful not to touch the area shaded in the illustration.</p>  |
|  | <p>When you move the DCP, place a hand at each side of the unit so you are supporting the base when you lift it. (See the illustration on the right.) Do not carry the DCP by holding the scanner cover.</p>  |   |   |

 **WARNING**

This product must be installed near an AC power outlet that is easily accessible. In case of emergencies, you must disconnect the power cord from the AC power outlet to shut off power completely.

 **Caution**

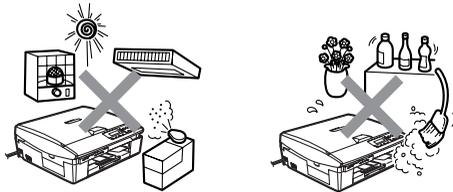
To maintain the best print quality, we recommend that you use the On/Off key to turn off your DCP. Do not unplug the power cord from the AC power outlet, unless moving the machine or performing maintenance. If you need to disconnect your machine from the power, you will need to set the date and time again. (See Quick Setup Guide.)

# Choosing a location

Place your DCP on a flat, stable surface that is free of vibration and shocks, such as a desk. Put the DCP near a standard, grounded AC power outlet. Choose a location where the temperature remains between 50°F and 95°F (10° and 35°C).

## ! Caution

- Avoid placing your DCP in a high-traffic area.
- Avoid placing your DCP on the carpet.
- Do not place near heaters, air conditioners, water, chemicals, or refrigerators.
- Do not expose the DCP to direct sunlight, excessive heat, moisture, or dust.
- Do not connect your DCP to electrical outlets controlled by wall switches or automatic timers.
- Disruption of power can wipe out information in the DCP's memory.
- Do not connect your DCP to electrical outlets on the same circuit as large appliances or other equipment that might disrupt the power supply.



# Table of Contents

## 1

|   |            |
|---|------------|
| <b>Introduction .....</b>                         | <b>1-1</b> |
| Using this Guide .....                            | 1-1        |
| Finding information .....                         | 1-1        |
| Symbols used in this Guide .....                  | 1-1        |
| Control panel overview .....                      | 1-2        |
| Status LED indications .....                      | 1-4        |
| Load documents .....                              | 1-5        |
| Using the scanner glass .....                     | 1-5        |
| About paper .....                                 | 1-6        |
| Recommended Paper .....                           | 1-6        |
| Handling and using special paper .....            | 1-7        |
| Paper type and size for each operation .....      | 1-8        |
| Paper weight, thickness and capacity .....        | 1-9        |
| Paper capacity of the output paper tray .....     | 1-9        |
| Printable area .....                              | 1-10       |
| How to load paper, envelopes and post cards ..... | 1-11       |
| To load paper or other media .....                | 1-11       |
| To load envelopes .....                           | 1-13       |
| To load post cards .....                          | 1-14       |

## 2

|  |            |
|--|------------|
| <b>Making copies .....</b>                           | <b>2-1</b> |
| Using the DCP as a copier .....                      | 2-1        |
| Making a single copy .....                           | 2-1        |
| Making multiple copies .....                         | 2-1        |
| Stop copying .....                                   | 2-1        |
| Using the Copy keys                                  |            |
| (Changing the temporary copy settings) .....         | 2-2        |
| Setting copy quality .....                           | 2-3        |
| Enlarging or reducing the copied image .....         | 2-4        |
| Using the Copy Options key .....                     | 2-6        |
| Setting paper type .....                             | 2-7        |
| Setting paper size .....                             | 2-7        |
| Adjusting brightness .....                           | 2-8        |
| Making N in 1 copies or a poster (Page Layout) ..... | 2-9        |
| Changing the default copy settings .....             | 2-12       |
| Setting Paper Type .....                             | 2-12       |
| Setting Paper Size .....                             | 2-13       |
| Setting copy quality .....                           | 2-13       |
| Adjusting brightness .....                           | 2-14       |
| Adjusting contrast .....                             | 2-14       |
| Adjusting Color saturation .....                     | 2-15       |
| Legal limitations .....                              | 2-16       |

|   |            |
|---|------------|
| <b>Walk-Up PhotoCapture Center™</b> .....             | <b>3-1</b> |
| Introduction .....                                    | 3-1        |
| PhotoCapture Center™ requirements .....               | 3-2        |
| Getting started .....                                 | 3-3        |
| Printing the Index (Thumbnails) .....                 | 3-5        |
| Printing images .....                                 | 3-6        |
| DPOF printing .....                                   | 3-8        |
| Changing the default settings .....                   | 3-9        |
| Setting print quality .....                           | 3-9        |
| Setting paper and size .....                          | 3-9        |
| Adjusting brightness .....                            | 3-10       |
| Adjusting contrast .....                              | 3-10       |
| Color enhancement (True2Life®) .....                  | 3-11       |
| Cropping .....  | 3-13       |
| Borderless .....                                      | 3-14       |
| Scan to Card .....                                    | 3-14       |
| Understanding the Error Messages .....                | 3-16       |
| Using PhotoCapture Center™ from your PC .....         | 3-17       |
| Using PhotoCapture Center™ for scanning documents ... | 3-17       |

|   |            |
|---|------------|
| <b>Important information</b> .....                  | <b>4-1</b> |
| Federal Communications Commission (FCC)             |            |
| Declaration of Conformity (USA only) .....          | 4-1        |
| Important .....                                     | 4-2        |
| Industry Canada Compliance Statement                |            |
| (Canada only) .....                                 | 4-2        |
| For your safety .....                               | 4-2        |
| International ENERGY STAR® Compliance Statement ... | 4-3        |
| Important safety instructions .....                 | 4-4        |
| Trademarks .....                                    | 4-6        |

|  |            |
|--|------------|
| <b>Troubleshooting and routine maintenance</b> ..... | <b>5-1</b> |
| Troubleshooting .....                                | 5-1        |
| Error messages .....                                 | 5-1        |
| Printer jam or paper jam .....                       | 5-3        |
| Paper is jammed inside the paper tray .....          | 5-3        |
| Paper is jammed inside the DCP .....                 | 5-4        |
| If you are having difficulty with your DCP .....     | 5-6        |
| How to change LCD language .....                     | 5-9        |
| How to improve the LCD viewing .....                 | 5-9        |
| How to improve print quality .....                   | 5-10       |
| Cleaning the print head .....                        | 5-10       |
| Checking the print quality .....                     | 5-11       |
| Checking the printing alignment .....                | 5-13       |

|                                      |      |
|--------------------------------------|------|
| Checking the ink volume .....        | 5-14 |
| Packing and shipping the DCP .....   | 5-15 |
| Routine maintenance.....             | 5-18 |
| Cleaning the scanner.....            | 5-18 |
| Cleaning the DCP printer platen..... | 5-19 |
| Replacing the ink cartridges .....   | 5-20 |

**A**

|                            |            |
|----------------------------|------------|
| <b>Appendix .....</b>      | <b>A-1</b> |
| On-screen programming..... | A-1        |
| Menu table.....            | A-1        |
| Printing reports .....     | A-1        |
| Menu Mode.....             | A-2        |

**S**

|  |            |
|--|------------|
| <b>Specifications .....</b>                                      | <b>S-1</b> |
| Product description .....  | S-1        |
| General.....   | S-1        |
| Print media .....  | S-2        |
| Copy .....   | S-2        |
| PhotoCapture Center™ .....                                       | S-3        |
| Scanner .....  | S-4        |
| Printer .....  | S-5        |
| Interfaces.....  | S-5        |
| Computer requirements.....                                       | S-6        |
| Consumable items.....  | S-7        |
| Optional External Wireless Print/Scan Server<br>(NC-2200w) ..... | S-7        |

|                    |            |
|--------------------|------------|
| <b>Index .....</b> | <b>I-1</b> |
|--------------------|------------|

# 1 Introduction

## Using this Guide

Thank you for buying a Brother Digital Copier/Printer (DCP). Your DCP is simple to use, with LCD screen instructions to guide you through programming it. You can make the most of your DCP by reading through this Guide.

## Finding information

---

All the chapter headings and subheadings are listed in the Table of Contents. You will be able to find information about a specific feature or operation by checking the Index at the back of this Guide.

## Symbols used in this Guide

---

Throughout this Guide you will see special symbols alerting you to important warnings, notes and actions. To make things clearer and to help you press the correct keys, we used special fonts and added some of the messages that will appear in the LCD.

- Bold**                      Bold typeface identifies specific keys on the DCP control panel.
- Italics*                      Italicized typeface emphasizes an important point or refers you to a related topic.
- Courier New                Courier New type face identifies the messages on the LCD of the DCP.



Warnings inform you what to do to avoid possible personal injury.



Cautions specify procedures you must follow or avoid to prevent possible damage to the DCP.



Notes tell you how you should respond to a situation that may arise or give tips about how the current operation works with other features.



Improper Setup alerts you to devices and operations that are not compatible with the DCP.



3 Stop/Exit  
 **Stop/Exit**

Stops an operation or exits from the menu.

4 Black Start  
 **Black Start**

Lets you start making copies in black and white.

Also, let you start a scanning operation (in color or black, depending on the scanning setting on your PC).

5 Color Start  
 **Color Start**

Lets you start making copies in full color.

Also, let you start a scanning operation (in color or black, depending on the scanning setting on your PC).

6 On/Off  
 **On/Off**

You can turn the DCP on or off. Even if you turned the DCP off, it will periodically clean the print head to preserve print quality.

7 Ink  
 **Ink**

Lets you clean the print head, check the print quality and the available ink volume.

8 Scan  
 **Scan**

Lets you access Scan mode.

See the Software User's Guide on the CD-ROM.

9 Photo Capture  
 **PhotoCapture**

Lets you access the PhotoCapture Center™.

10 **Liquid Crystal Display (LCD)**

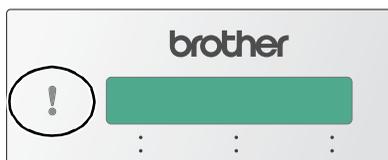
Displays messages on the screen to help you set up and use your DCP. The LCD examples in this guide are for models with a one-line display. There may be slight differences between the examples provided and models with a two-line display.

11 **Light-Emitting Diode (LED)**

The LED will show the DCP status.

## Status LED indications

The status LED (Light Emitting Diode) is a light that shows the DCP status.



| LED  | DCP status     | Description  |
|--|----------------|--|
| <br>Off | Ready          | The DCP is ready for use.  |
| <br>Red | Cover is Open  | The cover is open. Close the cover. (See <i>Error messages</i> on page 5-1.)   |
|  | Ink Empty      | Replace the Ink cartridge with a new one. (See <i>Replacing the ink cartridges</i> on page 5-20.)                                      |
|  | Paper Error    | Put paper in the tray or clear the paper jam. Check the LCD message. (See <i>Troubleshooting and routine maintenance</i> on page 5-1.) |
|  | Out of Memory  | Memory is full. (See <i>Error messages</i> on page 5-1.)   |
|  | Other Messages | Check the LCD message. (See <i>Troubleshooting and routine maintenance</i> on page 5-1.)   |

# Load documents

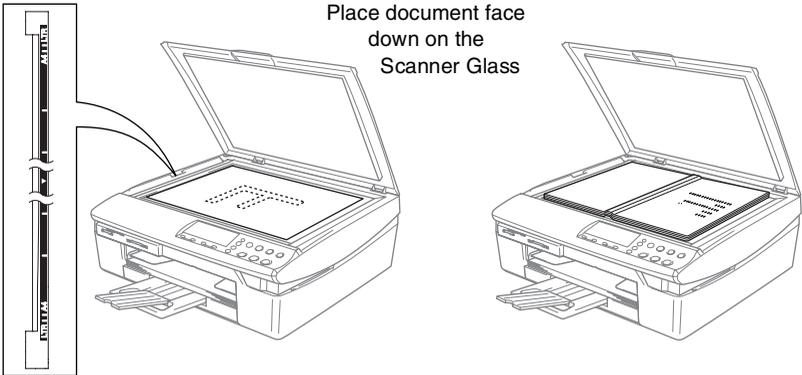
You can copy and scan from the scanner glass.

## Using the scanner glass

---

You can use the scanner glass to copy or scan pages of a book or one page at a time. Documents can be up to letter size (8.5 inches to 11 inches).

- 1 Lift the document cover.



- 2 Using the document guidelines on the left, center the document face down on the scanner glass.
  - 3 Close the document cover.
- ! If the document is a book or is thick, do not slam the cover or press on it.

# About paper

The print quality can be affected by the type of paper you use in the DCP.

To get the best print quality for the settings you've chosen, always set the Paper Type to match the type of paper you load.

You can use plain paper, inkjet paper (coated paper), glossy paper, transparencies and envelopes.

We recommend testing various paper types before purchasing large quantities.

For best results, use the recommended paper.



- When you print on inkjet paper (coated paper), transparencies and glossy paper, be sure to select the proper media in the “Basic” tab of the printer driver or in the Paper Type setting of the menu.
- When you print on Brother glossy paper, load the instruction sheet included with the glossy paper in the paper tray first, and then place the glossy paper on the instruction sheet.
- When you use transparencies or glossy paper, remove each sheet immediately to prevent smudging or paper jams.
- Avoid touching the printed surface of the paper immediately after printing, the surface may not be completely dry and may stain your fingers.

## Recommended Paper

---

To get the best print quality, we suggest using Brother paper. (See table below.)

We recommend using “3M Transparency Film” when you print on transparencies.

### Brother Paper

| Paper Type                  | Item     |
|-----------------------------|----------|
| Letter Plain                | BP60 PL  |
| Letter Glossy               | BP60 GLL |
| Letter Inkjet (Photo Matte) | BP60 ML  |

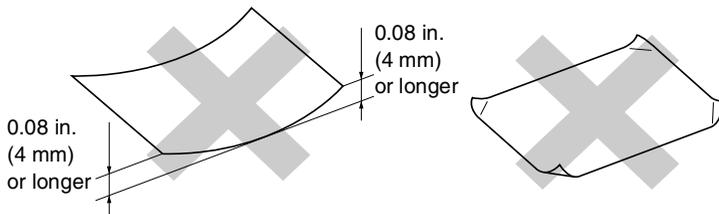
## Handling and using special paper

---

- Store paper in its original packaging, and keep it sealed. Keep the paper flat and away from moisture, direct sunlight and heat.
- The coated side of glossy paper is shiny. Avoid touching the shiny (coated) side. Load glossy paper with the shiny side facing down.
- Avoid touching either side of transparencies, because they absorb water and perspiration easily, and this may cause decreased output quality. Transparencies designed for laser printers/copiers may stain your next document. Use only transparencies recommended for inkjet printing.

⊘ Do not use paper:

- that are damaged, curled, wrinkled, or irregularly shaped



- that are extremely shiny or highly textured
- that were previously printed by a printer
- that cannot be arranged uniformly when stacked
- that are made with a short grain

## Paper type and size for each operation

| Paper Type     | Paper Size                 | Usage                  |              |         |
|----------------|----------------------------|------------------------|--------------|---------|
|                |                            | Copy                   | PhotoCapture | Printer |
| Cut Sheet      | Letter                     | Yes                    | Yes          | Yes     |
|                | A4                         | Yes                    | Yes          | Yes     |
|                | Legal                      | Yes                    | —            | Yes     |
|                | Executive                  | —                      | —            | Yes     |
|                | JIS B5                     | —                      | —            | Yes     |
|                | A5                         | Yes                    | —            | Yes     |
| A6             | 4.1" x 5.8" (105 x 148 mm) | —                      | —            | Yes     |
| Cards          | Photo                      | Yes                    | Yes          | Yes     |
|                | Photo L                    | —                      | —            | Yes     |
|                | Photo 2L                   | —                      | Yes          | Yes     |
|                | Index Card                 | —                      | —            | Yes     |
|                | Post Card 1                | —                      | —            | Yes     |
|                | Post Card 2                | —                      | —            | Yes     |
|                | (Double)                   | —                      | —            | Yes     |
|                |                            | 4" x 6" (102 x 152 mm) | —            | —       |
| Envelopes      | C5 Envelope                | —                      | —            | Yes     |
|                | DL Envelope                | —                      | —            | Yes     |
|                | COM-10                     | —                      | —            | Yes     |
|                | Monarch                    | —                      | —            | Yes     |
|                | JE4 Envelope               | —                      | —            | Yes     |
|                | Letter                     | Yes                    | —            | Yes     |
| Transparencies | A4                         | Yes                    | —            | Yes     |
|                |                            | Yes                    | —            | Yes     |

## Paper weight, thickness and capacity

| Paper Type     |              | Weight                                       | Thickness                             | No. of sheets |
|----------------|--------------|--|---------------------------------------|---------------|
| Cut Paper      | Plain Paper  | 17 to 32 lb<br>(64 to 120 g/m <sup>2</sup> ) | 0.003" to 0.006"<br>(0.08 to 0.15 mm) | 100*          |
|                | Inkjet Paper | 17 to 53 lb<br>(64 to 200 g/m <sup>2</sup> ) | 0.003" to 0.01"<br>(0.08 to 0.25 mm)  | 20            |
|                | Glossy Paper | Up to 58 lb<br>(Up to 220 g/m <sup>2</sup> ) | Up to 0.01"<br>(Up to 0.25 mm)        | 20            |
| Cards          | Photo Card   | Up to 64 lb<br>(Up to 240 g/m <sup>2</sup> ) | Up to 0.01"<br>(Up to 0.28 mm)        | 20            |
|                | Index Card   | Up to 32 lb<br>(Up to 120 g/m <sup>2</sup> ) | Up to 0.006"<br>(Up to 0.15 mm)       | 30            |
|                | Post Card    | Up to 53 lb<br>(Up to 200 g/m <sup>2</sup> ) | Up to 0.01"<br>(Up to 0.23 mm)        | 30            |
| Envelopes      |              | 20 to 25 lb<br>(75 to 95 g/m <sup>2</sup> )  | Up to 0.02"<br>(Up to 0.52 mm)        | 10            |
| Transparencies |              | —  | —                                     | 10            |

\* Up to 50 sheets for Legal size paper 20 lb (75 g/m<sup>2</sup>).

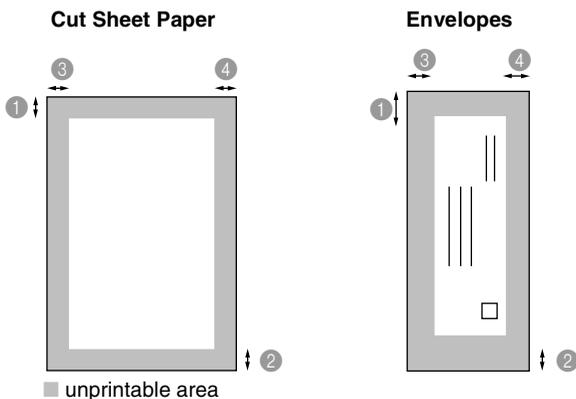
\* Up to 100 sheets of 20 lb (75 g/m<sup>2</sup>).

## Paper capacity of the output paper tray

|                   |   |
|-------------------|---|
| Output Paper Tray | <p>Up to 25 sheets of 20 lb Letter/A4 (75 g/m<sup>2</sup>)</p> <ul style="list-style-type: none"> <li>■ Transparencies or glossy paper must be picked up from the output paper tray one page at a time to avoid smudging.</li> <li>■ Legal paper cannot be stacked on the output paper tray.</li> </ul> |
|-------------------|---|

## Printable area

The printable area depends on the settings in the application you are using. The figures below show the unprintable areas on cut sheet paper and envelopes.



|           | ① Top                                  | ② Bottom                               | ③ Left                                 | ④ Right                                |
|-----------|--|--|--|--|
| Cut Sheet | 0.12 in.<br>(3 mm)<br>(0 in. / 0 mm)*1 |
| Envelopes | 0.47 in.<br>(12 mm)                    | 0.94 in.<br>(24 mm)                    | 0.12 in.<br>(3 mm)                     | 0.12 in.<br>(3 mm)                     |

\*1 When you set the Borderless feature to On.

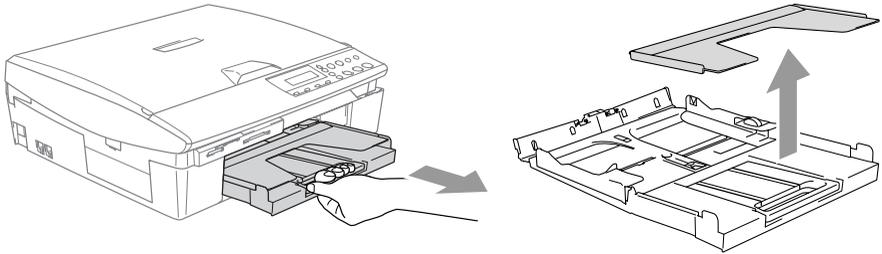


- Printable area depends on the Printer driver settings.
- The figures above are approximate and the printable area may vary depending on the type of cut sheet paper you are using.

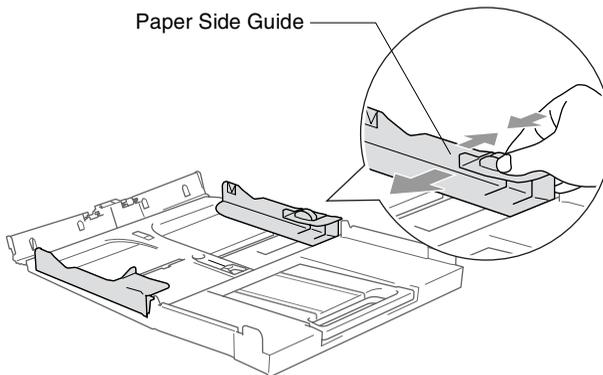
# How to load paper, envelopes and post cards

## To load paper or other media

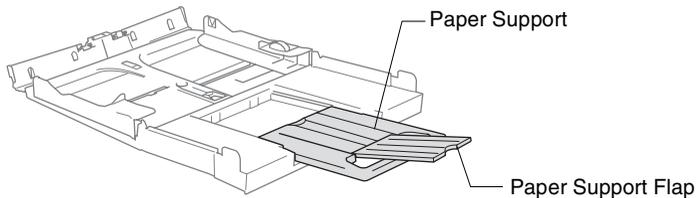
- 1 Pull the paper tray completely out of the DCP and remove the output paper tray.



- 2 Press and slide the paper side guide to fit the paper width.

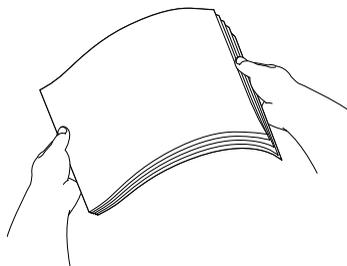


- 3 Pull out the paper support and unfold the paper support flap.



 Use the paper support flap for Letter, Legal and A4.

- 4** Fan the stack of paper well to avoid paper jams and mis-feeds.



- 5** Gently insert the paper into the paper tray print side down and the leading edge (top of the paper) in first.

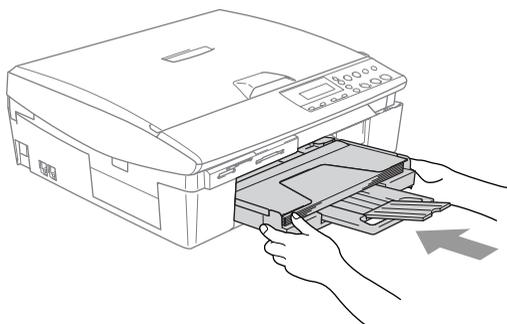
Check that the paper is flat in the tray and below the maximum paper mark.



- Make sure the paper side guides touch the sides of the paper.

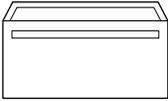
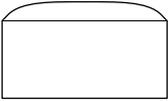
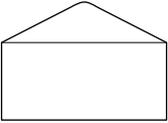
- Be careful that you do not push the paper in too far; it may lift at the back of the tray and cause feed problems.

- 6** Put the output paper tray back on and push the paper tray firmly back into the DCP.



## To load envelopes

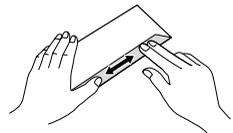
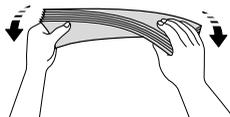
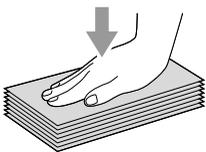
- Use envelopes that weigh from 20 - 25 lb (75 - 90 g/m<sup>2</sup>).
- Some envelopes require margin settings in the application. Make sure you do a test print first.
- ⊘ To prevent possible damage to the feeding mechanism, do not use the types of envelopes shown below.

| <b>DO NOT USE ENVELOPES:</b>   |   |   |  |
|--|---|---|--|
| <ul style="list-style-type: none"><li>■ that are of a baggy construction</li><li>■ that are embossed (have raised writing on them)</li><li>■ that have clasps on them</li><li>■ that are not sharply creased</li><li>■ that are preprinted on the inside</li></ul> |   |   |  |
| ■ Glue   | ■ Rounded flap  | ■ Double flap   | ■ Triangular flap  |
|   |  |  |  |

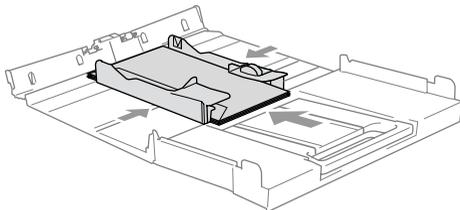
### ***How to load envelopes***

- 1** Before loading, press the corners and sides of the envelopes to make them as flat as possible.

 If the envelopes are 'double-feeding', put one envelope in the paper tray at a time.

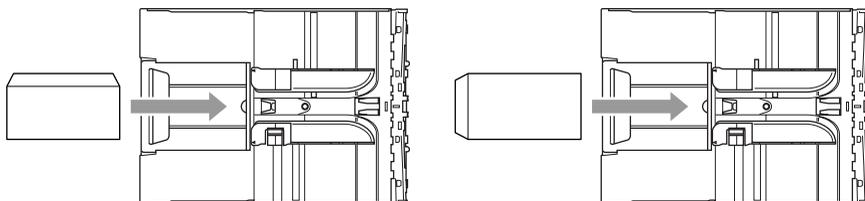


- 2 Insert the envelopes into the paper tray with the address side down and the leading edge (top of the envelopes) in first. Slide the paper side guide to fit the width of the envelopes.



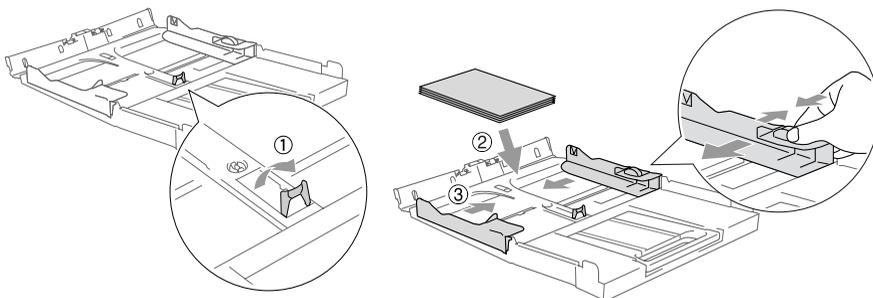
***If you have problems when printing on envelopes, try the following suggestions:***

- 1 Open the envelope flap.
- 2 Make sure the open flap is either to the side of the envelope or to the back edge of the envelope when printing.
- 3 Adjust the size and margin in your application.



## **To load post cards**

- 1 Raise the paper stop and insert the post cards into the paper tray. Slide the paper side guide to fit the width of the post cards.



## 2 Making copies

### Using the DCP as a copier

You can use your DCP as a copier, making up to 99 copies at a time.

#### Making a single copy

---

- 1 Load your document.
- 2 Press **Black Start** or **Color Start**.



To stop copying, press **Stop/Exit**.

#### Making multiple copies

---

- 1 Load your document.
- 2 Press **Number of Copies** repeatedly until the number of copies you want appear (up to 99).

—OR—

Press  to increase the number of copies.

Press  to decrease the number of copies.



The number of copies can also be increased/decreased by holding down  or .

- 3 Press **Black Start** or **Color Start**.

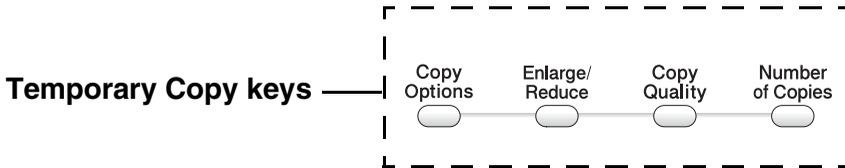
#### Stop copying

---

To stop copying, press **Stop/Exit**.

# Using the Copy keys (Changing the temporary copy settings)

When you want to quickly change the copy settings temporarily for the next copy, use the temporary Copy keys. You can use different combinations.



-  These settings are temporary, the DCP returns to its default settings 60 seconds after it finishes copying.
-  You can save the copy settings you use most often by setting them as default. (See *Changing the default copy settings* on page 2-12.)

## Setting copy quality

---

You can select the copy quality. The default setting is *Normal*.

|  |               |   |
|--|---------------|---|
| <p>Press <b>Copy Quality</b></p>  | <i>Normal</i> | Recommended mode for ordinary printouts. Good copy quality with adequate copy speed.  |
|  | <i>Fast</i>   | Fast copy speed and lowest ink consumption. Use <b>FAST</b> to save time (document to be proof-read, large documents or many copies). |
|  | <i>Best</i>   | Use this mode to copy precise images such as photographs. <b>BEST</b> uses the highest resolution and slowest speed.                  |

- 1** Load your document.
- 2** Press **Copy Quality** repeatedly to choose the copy quality (*Fast*, *Normal* or *Best*).
- 3** Press **Black Start** or **Color Start**.  
—OR—  
Press other temporary copy keys for more settings.

## Enlarging or reducing the copied image

---

You can select the following enlargement or reduction ratios.

Custom( 25-400% ) allows you to enter a ratio from 25% to 400%.

|                                    |                   |
|------------------------------------|-------------------|
| <b>Press <b>Enlarge/Reduce</b></b> | Custom( 25-400% ) |
|                                    | 200%              |
|                                    | 198% 4 "x6 " →A4  |
|                                    | 186% 4 "x6 " →LTR |
|                                    | 142% A5→A4        |
|                                    | 104% EXE→LTR      |
|                                    | 100%              |
|                                    | 97% LTR→A4        |
|                                    | 93% A4→LTR        |
|                                    | 83%               |
|                                    | 78%               |
|                                    | 69% A4→A5         |
|                                    | 50%               |



**1** Load your document.

**2** Press **Enlarge/Reduce**.

**3** Press  or  to select the enlargement or reduction ratio you want.

Press **Set**.

—OR—

You can select *Custom* (25-400%) and press **Set**.

Press  or  to enter an enlargement or reduction ratio from 25% to 400%.

Press **Set**.

 Enlargement or reduction ratio can also be increased/decreased by holding down  or .

**4** Press **Black Start** or **Color Start**.

—OR—

Press other temporary copy keys for more settings.

 Special Copy Options (2 in 1 (P), 2 in 1 (L), 4 in 1 (P), 4 in 1 (L) or Poster) are not available with **Enlarge/Reduce**.

# Using the Copy Options key

Use the **Copy Options** key to quickly set the following copy settings temporarily for the next copy.

| <b>Press Copy Options</b><br><br> | <b>Menu Selections</b><br><br><br>Select & Set | <b>Options</b><br><br><br>Select & Set | <b>Factory Setting</b> | <b>Page</b> |
|--|---|---|------------------------|-------------|
|  | Paper Type  | Plain/<br>Inkjet/<br>Glossy/<br>Transparency  | Plain                  | 2-7         |
|  | Paper Size  | Letter/<br>Legal/<br>A4/<br>A5/<br>4" (W) x 6" (H)  | Letter                 | 2-7         |
|  | Brightness  | - ■■■■ +  | - ■■■■ +               | 2-8         |
|  | Page Layout   | Off (1 in 1) /<br>2 in 1 (P) /<br>2 in 1 (L) /<br>4 in 1 (P) /<br>4 in 1 (L) /<br>Poster (3 x 3)                        | Off<br>(1 in 1)        | 2-9         |

After you choose your settings by pressing **Set**, the LCD shows *Set temporarily* and then returns to **Menu selections**.

Press **Black Start** or **Color Start** if you're finished choosing settings.

—OR—

Press  or  to select more settings.

## Setting paper type

If copying on paper other than plain paper, select the type of paper that you are using to get the best print quality.

- 1 Load your document.
- 2 Press **Copy Options** and  or  to select **Paper Type**.  
Press **Set**.
- 3 Press  or  to select the type of paper you are using (Plain, Inkjet, Glossy or Transparency).  
Press **Set**.
- 4 Press **Black Start** or **Color Start**.  
—OR—  
Press  or  for more settings.

## Setting paper size

If copying on paper other than Letter sizes, you will need to change the paper size setting.



You can copy on Letter, Legal, A4, A5 or Photo Card (4"(W) x 6"(H)) paper.

- 1 Load your document.
- 2 Press **Copy Options** and  or  to select **Paper Size**.  
Press **Set**.
- 3 Press  or  to select the size of paper you are using (Letter, Legal, A4, A5 or 4" (W) x 6" (H)).  
Press **Set**.
- 4 Press **Black Start** or **Color Start**.  
—OR—  
Press  or  for more settings.

## Adjusting brightness

You can adjust the copy brightness to make copies darker or lighter.

- 1 Load your document.
- 2 Press **Copy Options** and  or  to select **Brightness**.

Press **Set**.



- 3 Press  to make a lighter copy.

—OR—

Press  to make a darker copy.

Press **Set**.

- 4 Press **Black Start** or **Color Start**.

—OR—

Press  or  for more settings.

## Making N in 1 copies or a poster (Page Layout)

---

You can reduce the amount of copies by using the N in 1 copy feature. This allows you to copy two or four pages onto one page, allowing you to save paper. It is also possible to create a poster. When you use the Poster feature your DCP divides your document into sections, then enlarges the sections so you can assemble them into a poster.



- Please make sure Paper Size is set to A4 or Letter.
- You can use the N in 1 copy feature with 100% copy size only.
- (P) means Portrait and (L) means Landscape.

- 1 Load your document.
- 2 Press **Copy Options** and  or  to select Page Layout. Press **Set**.
- 3 Press  or  to select 2 in 1 (P), 2 in 1 (L), 4 in 1 (P), 4 in 1 (L), Poster (3 x 3) or Off (1 in 1). Press **Set**.
- 4 Press **Black Start** or **Color Start** to scan the document.
- 5 If you are making a poster, the DCP scans the document and starts printing.

—OR—

If you selected the 2 in 1 or the 4 in 1 option, the DCP scans the page and then the LCD shows:

Next Page?

 Yes  No

- 6 Press  to scan next page.
- 7 Put the next document on the scanner glass.  
Set Next Page  
Then Press Set
- 8 Repeat Steps 6 and 7 for each page of the layout.
- 9 After all the pages of the document have been scanned, press  to end.

 If **Glossy** has been selected in the Paper Type setting for N in 1 copies, the DCP will print the images as if Normal paper had been selected.

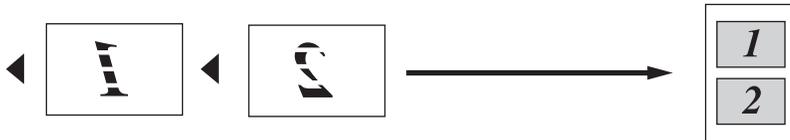
-  ■ If you are producing multiple color copies, N in 1 copies are not available.
- N in 1 color copies are not available.
- For Poster copies, you cannot make more than one copy.

**Place the document face down in the direction shown below.**

**2 in 1 (P)**



**2 in 1 (L)**



**4 in 1 (P)**

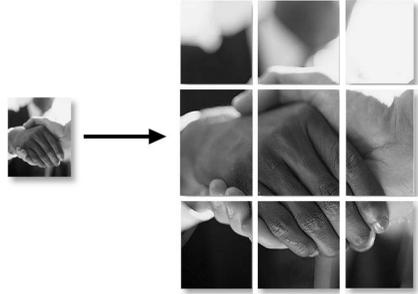


**4 in 1 (L)**



### Poster (3x3)

You can make a poster size copy of a photograph.



 For Poster copies, you cannot make more than one copy.

# Changing the default copy settings

You can save the copy settings you use most often by setting them as default. These settings will remain until you change them again.

## Setting Paper Type

---

To get the best print quality, set the DCP for the type of paper you are using.

- 1** Press **Menu**.
- 2** Press  or  to select 1 . Copy.  
Press **Set**.
- 3** Press  or  to select 1 . Paper Type.  
Press **Set**.
- 4** Press  or  to select Plain, Inkjet, Glossy or Transparency.  
Press **Set**.
- 5** Press **Stop/Exit**.



The DCP ejects paper with printed surfaces face up onto the paper tray in the front of the machine. When you use transparencies or glossy paper, remove each sheet immediately to prevent smudging or paper jams.

## Setting Paper Size

---

You can use five sizes of paper for printing your copies: Letter, Legal, A4, A5 and Photo Card (4" x 6"). When you change the type of paper you load in the DCP, you will need to change the setting for Paper Size at the same time so your DCP can fit the copy on the page.

- 1 Press **Menu**.
- 2 Press **▲** or **▼** to select 1.Copy.  
Press **Set**.
- 3 Press **▲** or **▼** to select 2.Paper Size.  
Press **Set**.
- 4 Press **▲** or **▼** to select Letter, Legal, A4, A5 or 4"x6".  
Press **Set**.
- 5 Press **Stop/Exit**.

## Setting copy quality

---

- 1 Press **Menu**.
- 2 Press **▲** or **▼** to select 1.Copy.  
Press **Set**.
- 3 Press **▲** or **▼** to select 3.Quality.  
Press **Set**.
- 4 Press **▲** or **▼** to select Fast, Normal or Best.  
Press **Set**.
- 5 Press **Stop/Exit**.

## Adjusting brightness

---

- 1 Press **Menu**.
- 2 Press  or  to select 1.Copy.  
Press **Set**.
- 3 Press  or  to select 4.Brightness.  
Press **Set**.
- 4 Press  to make a lighter copy.  
—OR—  
Press  to make a darker copy.  
Press **Set**.
- 5 Press **Stop/Exit**.

## Adjusting contrast

---

You can change the contrast to help an image look sharper and more vivid.

- 1 Press **Menu**.
- 2 Press  or  to select 1.Copy.  
Press **Set**.
- 3 Press  or  to select 5.Contrast.  
Press **Set**.
- 4 Press  to increase the contrast.  
—OR—  
Press  to decrease the contrast.  
Press **Set**.
- 5 Press **Stop/Exit**.

## Adjusting Color saturation

---

- 1** Press **Menu**.
- 2** Press  or  to select **1 .Copy**.  
Press **Set**.
- 3** Press  or  to select **6 .Color Adjust**.  
Press **Set**.
- 4** Press  or  to select **Red, Green or Blue**.  
Press **Set**.
- 5** Press  to increase the color saturation.  
—OR—  
Press  to decrease the color saturation.  
Press **Set**.
- 6** Return to Step 4 to select the next color.  
—OR—  
Press **Stop/Exit**.

# Legal limitations

Color reproductions of certain documents are illegal and may result in either criminal or civil liability. This memorandum is intended to be a guide rather than a complete listing of every possible prohibition. In case of doubt, we suggest that you check with relevant counsel as to any particular questionable documents.

The following are examples of documents which should not be copied:

The following documents issued by the United States/Canadian Government or any of its Agencies may not be copied:

- Money
- Bonds or other certificates of indebtedness
- Certificates of Deposit
- Internal Revenue Stamps (canceled or uncanceled)
- Selective Service or draft papers
- Passports
- United States/Canadian Postage Stamps (canceled or uncanceled)
- Food Stamps
- Immigration Papers
- Checks or drafts drawn by Governmental agencies
- Identifying badges or insignias

Copyrighted works cannot be copied. Sections of a copyrighted work can be copied for 'fair use.' Multiple copies would indicate improper use.

Works of art should be considered the equivalent of copyrighted works.

Licenses and Certificates of Title to motor vehicles may not be copied under certain state/provincial laws.

# 3

# Walk-Up PhotoCapture Center™

## Introduction

Even if your DCP is not connected to your computer, you can print photos directly from the digital camera media. Your Brother DCP includes five media drives (slots) for use with popular digital camera media: CompactFlash®, SmartMedia®, Memory Stick®, SecureDigital™ (SD Card) and xD-Picture Card™.



CompactFlash®  
(Type I only)



SmartMedia®



Memory Stick®



SecureDigital™



xD-Picture Card™

The PhotoCapture Center™ feature lets you print digital photos from your digital camera at high resolution to get photo quality printing.



- miniSD™ can be used with miniSD™ adapter.
- Memory Stick Duo™ can be used with Memory Stick Duo™ adapter.
- Adapters are not included with the DCP. Contact a third party supplier for adapters.

## PhotoCapture Center™ requirements

To avoid error conditions, please remember:

- The DPOF file on the media card must be in a valid format. (See *DPOF printing* on page 3-8.)
- The image file extension must be .JPG (Other image file extensions .JPEG, .TIF, .GIF and so on will not be recognized).
- Walk-up PhotoCapture Center™ printing must be performed separately from PhotoCapture Center™ operations using the PC. (Simultaneous operation is not available.)
- IBM Microdrive™ is not compatible with the DCP.
- The DCP can read up to 999 files in a media card.
- Use only Smart media cards with a 3.3v voltage rating.
- CompactFlash® Type II is not supported.

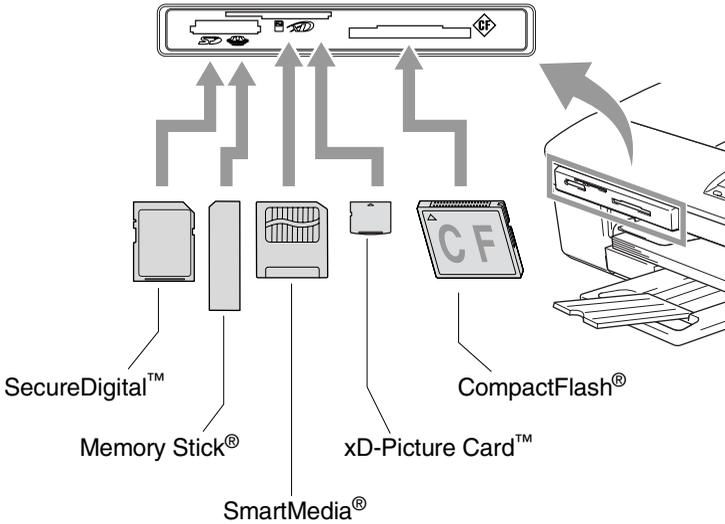
 When printing the INDEX or IMAGE, the PhotoCapture Center™ will print all the valid images, even if one or more images have been corrupted. A portion of the corrupted image may be printed.

 Your DCP is designed to read media cards that have been formatted by a digital camera.

When a digital camera formats a media card it creates a special folder into which it copies image data. If you need to modify the image data stored on a media card with your PC, we recommend that you do not modify the folder structure created by the digital camera. When saving new or modified image files to the media card we also recommend you use the same folder your digital camera uses. If the data is not saved to the same folder the DCP may not be able to read the file or print the image.

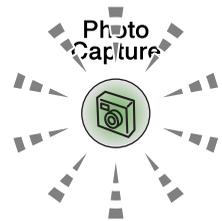
# Getting started

Firmly insert the card into the appropriate slot.



## PhotoCapture key indications:

- **PhotoCapture** light is ON, the media card is inserted properly.
- **PhotoCapture** light is OFF, the media card is not properly inserted.
- **PhotoCapture** light is BLINKING, the media card is being read or written to.



- ⚠ Do NOT unplug the power cord or remove the media card from the media drive (slot) while the DCP is reading or writing to the card (the **PhotoCapture** key is blinking). **You will lose your data or damage the card.**

The DCP can only read one media card at a time so do not insert more than one card.

**The steps below give a brief outline of the Direct Printing feature. Please see the remaining pages of this chapter for more detailed instructions.**

- 1** Insert the media card firmly into the media drive (slot).

When you insert your media card into the proper slot, the LCD shows:

C.Flash Active

Press PhotoCapture key...



The media active message will be shown for 60 seconds and then disappear. Even in that case, you can enter the PhotoCapture mode by pressing **PhotoCapture**.

- 2** Press **PhotoCapture**.

If your digital camera supports DPOF printing, see *DPOF printing* on page 3-8.

- 3** Print the index that shows thumbnail views of the photos stored on your media card. Your DCP will assign an image number to each thumbnail.

Press  or  to select `Print Index` and then press **Set**.

Press **Color Start** to start printing index sheet.

(See *Printing the Index (Thumbnails)* on page 3-5.)

- 4** To print the images, press  or  to select `Print Images` and then press **Set**.

Enter image number and press **Set**.

Press **Color Start** to start printing.

(See *Printing images* on page 3-6.)



You can change the settings for printing images, such as the Paper Type & Paper Size, Print Size and Number of Copies. (See *Printing images* on page 3-6.)

# Printing the Index (Thumbnails)

The PhotoCapture Center™ assigns numbers for images (such as No.1, No.2, No.3, and so on).



▶ No. 1  
DEI.JPG

01.01.2003  
100KB

It does not recognize any other numbers or file names that your digital camera or PC have used to identify the pictures. You can print a thumbnail page (Index page with 6 or 5 images per line). This will show all the pictures on the media card.

**1** Make sure you have inserted the media card.

Press **PhotoCapture**. (See page 3-3.)

**2** Press ▲ or ▼ to select

Print Index.

Print Index ▾

Press **Set**.

**3** Press ▲ or ▼ to select

6 Images/Line or

5 Images/Line.

6 Images/Line ▾

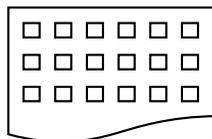
Press **Set**.

Index



5 Images/Line

Index



6 Images/Line

**4** Press **Color Start** to start printing.



Print time for 5 Images/Line will be slower than 6 Images/Line, but the quality is better. To print an image, see *Printing images* on page 3-6.

# Printing images

Before you can print an individual image, you have to know the image number.



Print the Index first.

(See *Printing the Index (Thumbnails)* on page 3-5.)

**1** Make sure you have inserted the media card.

Press **PhotoCapture**. (See page 3-3.)

**2** Press  or  to choose

Print Images.

Print Images 

Press **Set**.



If your media card contains valid DPOF information, the LCD shows **DPOF Print:Yes**, please go to *DPOF printing* on page 3-8.

**3** Press  repeatedly to enter the image number that you want to print from the Index page (Thumbnails).

No. : 1, 3, 6

Press **Set**.

Repeat this step until you have entered all the image numbers that you want to print.



■ Press  to decrease the image number.

■ You can enter a range of numbers by using the

**Copy Options** key for a hyphen.

(For example, Enter **1**, **Copy Options**, **5** to print images No.1 to No.5).

**4** After you have selected all the image numbers, press **Set** again, and go to Step 5.

—OR—

If you have finished choosing settings, press **Color Start**.

## Paper Type & Paper Size

- 5** Press  or  to select the type of paper you are using (Letter Glossy, 4"x 6" Glossy, 5"x 7" Glossy, A4 Glossy, Letter Plain, A4 Plain, Letter Inkjet, A4 Inkjet or 4"x 6" Inkjet).

Press **Set**.

If you selected A4 or Letter, go to Step 6.

If you selected another size, go to Step 7.

—OR—

If you have finished choosing settings, press **Color Start**.

## Print Size

- 6** If you selected A4 or Letter, press  or  to select the print size (4"x3", 5"x 3.5", 6"x 4", 7"x 5", 8"x 6" or Max. Size).

Press **Set**, and go to Step 7.

—OR—

If you have finished choosing settings, press **Color Start**.

Printed Position for Letter paper

| 1<br>4"x3"   | 2<br>5"x 3.5"  | 3<br>6"x 4"  | 4<br>7"x 5"  | 5<br>8"x 6"  | 6<br>Max. Size<br>(Letter/A4)   |
|--|--|--|--|--|---|
|  |  |  |  |  |  |

## Number of Copies

- 7** Press  to enter the number of copies you want.

Press **Set**.

 Press  to decrease the number of copies.

- 8** Press **Color Start** to print.

 Your temporary settings will be kept until you take out the media card from the drive (slot), print images or press **Stop/Exit**.

## DPOF printing

---

DPOF stands for Digital Print Order Format.

Major Digital Camera manufacturers (Canon Inc., Eastman Kodak Company, Fuji Photo Film Co. Ltd., Matsushita Electric Industrial Co. Ltd. and Sony Corporation.) created this standard to make it easier to print images from a digital camera.

If your digital camera supports DPOF printing, you will be able to select on the Digital Camera display the images and number of copies you want to print.

When the memory card (CompactFlash®, SmartMedia®, Memory Stick®, SecureDigital™ and xD-Picture Card™) containing DPOF information is put into your DCP, you can print the selected image easily.

- 1 Insert your media card into the proper drive (slot).

C.Flash Active



The media active message will be shown for 60 seconds and then disappear. Even in that case, you can enter the PhotoCapture mode by pressing **PhotoCapture**.

- 2 Press **PhotoCapture**.

- 3 Press  or  to select `Print Images`. Press **Set**.

- 4 If there is a DPOF file on the card, the LCD shows:

DPOF Print:Yes 

- 5 Press  or  to select `DPOF Print:Yes`. Press **Set**.



If you want to print an Index (thumbnails) or choose the images and their print options now, select `DPOF Print:No`.

- 6 Press **Color Start** to print.

# Changing the default settings

You can save the PhotoCapture Center™ settings you use most often by setting them as default. These settings will remain until you change them again.

## Setting print quality

---

- 1 Press **Menu**.
- 2 Press **▲** or **▼** to select 2.PhotoCapture.  
Press **Set**.
- 3 Press **▲** or **▼** to select 1.Print Quality.  
Press **Set**.
- 4 Press **▲** or **▼** to select Normal or Photo.  
Press **Set**.
- 5 Press **Stop/Exit**.

## Setting paper and size

---

- 1 Press **Menu**.
- 2 Press **▲** or **▼** to select 2.PhotoCapture.  
Press **Set**.
- 3 Press **▲** or **▼** to select 2.Paper & Size.  
Press **Set**.
- 4 Press **▲** or **▼** to select Letter Glossy, 4"x 6" Glossy, 5"x 7" Glossy, A4 Glossy, Letter Plain, A4 Plain, Letter Inkjet, A4 Inkjet or 4"x 6" Inkjet.  
Press **Set**.
- 5 If you selected A4 or Letter, press **▲** or **▼** to select the print size (4"x 3", 5"x 3.5", 6"x 4", 7"x 5", 8"x 6" or Max. Size).  
Press **Set**.
- 6 Press **Stop/Exit**.

## Adjusting brightness

---

- 1 Press **Menu**.
- 2 Press  or  to select 2.PhotoCapture.  
Press **Set**.
- 3 Press  or  to select 3.Brightness.  
Press **Set**.
- 4 Press  to make a lighter print.  
—OR—  
Press  to make a darker print.  
Press **Set**.
- 5 Press **Stop/Exit**.

## Adjusting contrast

---

You can choose the contrast setting. More contrast will make an image look sharper and more vivid.

- 1 Press **Menu**.
- 2 Press  or  to select 2.PhotoCapture.  
Press **Set**.
- 3 Press  or  to select 4.Contrast.  
Press **Set**.
- 4 Press  to increase the contrast.  
—OR—  
Press  to decrease the contrast.  
Press **Set**.
- 5 Press **Stop/Exit**.

## Color enhancement (True2Life®)

---

You can turn on the color enhancement (True2Life®) feature to print more vivid images. Printing time will be slower.

**1** Press **Menu**.

**2** Press  or  to select **2 .PhotoCapture**.

Press **Set**.

**3** Press  or  to select **5 .True2Life**.

Press **Set**.

**4** Press  or  to select **On**.

Press **Set**.

—OR—

Select **Off** and press **Set**, then go to Step 7.



If you select **On**, you can customize the **White Balance**, **Sharpness** or **Color Density**.

**5** Press  or  to select **White Balance**, **Sharpness** or **Color Density**.

Press **Set**.

**6** Press  or  to adjust the degree of setting.

Press **Set**.

**7** Press **Stop/Exit**.

### ■ **White Balance**

This setting adjusts the hue of the white areas of an image. Lighting, camera settings and other influences will effect the appearance of white. The white areas of a picture may be slightly pink, yellow or some other color. By using this adjustment you can correct this effect and bring the white areas back to pure white.

### ■ **Sharpness**

This setting enhances the detail of an image. It is similar to adjusting the fine focus on a camera. If the image is not in true focus and you cannot see the fine details of the picture, then adjust the sharpness.

### ■ **Color Density**

This setting adjusts the total amount of color in the image. You can increase or decrease the amount of color in an image to improve a washed out or weak picture.

# Cropping

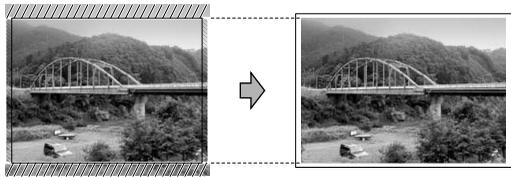
---

If your photo is too long or wide to fit the available space on your selected layout, part of the image will be automatically cropped.

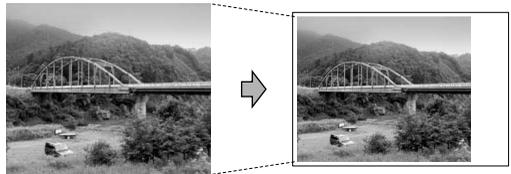
The default setting is *On*. If you want to print the whole image, turn this setting to *Off*.

- 1** Press **Menu**.
- 2** Press **▲** or **▼** to select **2 .PhotoCapture**.  
Press **Set**.
- 3** Press **▲** or **▼** to select **6 .Cropping**.  
Press **Set**.
- 4** Press **▲** or **▼** to select **Off (or On)**.  
Press **Set**.
- 5** Press **Stop/Exit**.

Cropping: On



Cropping: Off



## Borderless

---

This feature expands the printable area to the edges of the paper. Printing time will be slightly slower.

- 1 Press **Menu**.
- 2 Press  or  to select 2.PhotoCapture.  
Press **Set**.
- 3 Press  or  to select 7.Borderless.  
Press **Set**.
- 4 Press  or  to select Off (or On).  
Press **Set**.
- 5 Press **Stop/Exit**.

## Scan to Card

---

You can scan black and white and color documents into a media card. Black and white documents will be stored in PDF (\*.PDF) or TIFF file formats (\*.TIF). Color documents may be stored in PDF (\*.PDF) or JPEG (\*.JPG) file formats. The default setting is Color 150 dpi and the default file format is PDF. File names default to the current date. For example, the fifth image scanned on July 1, 2004 would be named 07010405.PDF. You can change the color and quality as you want.

| Quality         | Selectable File Format | Default File Format |
|-----------------|------------------------|---------------------|
| B/W 200x100 dpi | TIFF / PDF             | TIFF                |
| B/W 200 dpi     | TIFF / PDF             | TIFF                |
| Color 150 dpi   | JPEG / PDF             | PDF                 |
| Color 300 dpi   | JPEG / PDF             | PDF                 |
| Color 600 dpi   | JPEG / PDF             | PDF                 |



You can choose the default file format for Black & White or color files. (See *Changing the default color file format* on page 2-27 in Software User's Guide on the CD-ROM and *Changing the default black & white file format* on page 2-26 in Software User's Guide on the CD-ROM.)

- 1 Insert a SmartMedia<sup>®</sup>, CompactFlash<sup>®</sup>, Memory Stick<sup>®</sup>, SecureDigital<sup>™</sup> or xD-Picture Card<sup>™</sup> into your machine.
-  Do not take out the media card while **PhotoCapture** is blinking to avoid damaging the card or data stored on the card.
- 2 Load your document.
- 3 Press  (**Scan**).
- 4 Press  or  to select **Scan to Card**.  
To change quality, press **Set** and go to Step 5.  
—OR—  
Press **Black Start** or **Color Start** to start scanning without changing any settings.
- 5 Press  or  to select the quality you want.  
To change the file type, press **Set** and go to Step 6.  
—OR—  
To start scanning, press **Black Start** or **Color Start**.
- 6 Press  or  to select the file type you want.  
Press **Black Start** or **Color Start** to start scanning.

## Understanding the Error Messages

---

Once you are familiar with the types of errors that can occur while you're using the PhotoCapture Center™, you can easily identify and troubleshoot any difficulties.

When an error message appears on the LCD, the DCP will beep to get your attention.

**Media Error**—This message will appear if you insert a media card that is either bad or not formatted, or when there is a problem with the media drive. To clear this error, take out the media card.

**No File**—This message will appear if you try to access a media card in the drive (slot) that does not contain a .JPG file.

**Out of Memory**—This message will appear if you are working with images that are too large for the DCP's memory.

# Using PhotoCapture Center™ from your PC

You can access the media card that is in the media drive (slot) of the DCP from your PC.

(See *Using the PhotoCapture Center™ from your PC* on page 6-1 in Software User's Guide on the CD-ROM or *Using the PhotoCapture Center™ from a Macintosh®* (not available for MFC-3240C and MFC-5440CN) on page 8-47 in Software User's Guide on the CD-ROM.)

# Using PhotoCapture Center™ for scanning documents

You can scan documents and save them onto an media card to quickly and easily make documents portable. (See *Scan to Card* (not available for MFC-3240C, MFC-210C and MFC-5440CN) on page 2-23 in Software User's Guide on the CD-ROM.)

# 4 Important information

## Federal Communications Commission (FCC) Declaration of Conformity (USA only)

---

Responsible Party: Brother International Corporation  
100 Somerset Corporate Boulevard  
Bridgewater, NJ 08807-0911 USA  
TEL: (908) 704-1700

declares, that the products

Product Name: DCP-110C

comply 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.

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.
- Call the dealer or an experienced radio/TV technician for help.

## **WARNING**

- This DCP has been certified to comply with FCC standards, which are applied to the USA only. A grounded plug should be plugged into a grounded AC power outlet after checking the rating of the local power supply for the DCP to operate properly and safely.
- For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.
- Brother cannot accept any financial or other responsibilities that may be the result of your use of this information, including direct, special or consequential damages. There are no warranties extended or granted by this document.

## **Important**

Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

## **Industry Canada Compliance Statement (Canada only)**

---

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## **For your safety**

---

To ensure safe operation the supplied three-pin plug supplied must be inserted only into a standard three-pin AC power outlet that is effectively grounded through the normal household or office wiring. The fact that the equipment operates satisfactorily does not imply that the power is grounded and that the installation is completely safe. For your safety, if in any doubt about the effective grounding of the power, call a qualified electrician.

# International ENERGY STAR® Compliance Statement

---

The purpose of the International ENERGY STAR® Program is to promote the development and popularization of energy-efficient office equipment.

As an ENERGY STAR® Partner, Brother Industries, Ltd. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



## Important safety instructions

---

- 1** Read all of these instructions.
- 2** Save them for later reference.
- 3** Follow all warnings and instructions marked on the product.
- 4** Unplug this product from the AC power outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 5** Do not use this product near water.
- 6** Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- 7** Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heater. This product should never be placed in a built-in installation unless proper ventilation is provided.
- 8** This product should be operated from the type of power source indicated on the label. If you are not sure of the type of power available, call your dealer or local power company.  
Use only the power cord supplied with this DCP.
- 9** This product is equipped with a 3-wire grounded plug, a plug having a third (grounded) pin. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounded plug.
- 10** Do not allow anything to rest on the power cord. Do not place this product where people can walk on the cord.
- 11** If an extension cord is used with this product, make sure that the total ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the AC power outlet does not exceed 15 amperes (USA only).
- 12** Do not place anything in front of the DCP that will block printing. Do not place anything in the path of printing.

- 13** Wait until pages have exited the DCP before picking them up.
- 14** Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in the risk of fire or electric shock. Never spill liquid of any kind on the product. Do not attempt to service this product yourself because opening or removing covers may expose you to dangerous voltage points and other risks and may void your warranty. Refer all servicing to a Brother Authorized Service Center. For the location of your nearest Brother Authorized Service Center, please call **In USA:** 1-800-284-4357 or **In Canada:** 1-877-BROTHER. (See *Brother numbers* on page i.)
- 15** Unplug this product from the AC power outlet and refer servicing to Authorized Service Personnel under the following conditions:
- When the power cord is damaged or frayed.
  - If liquid has been spilled into the product.
  - If the product has been exposed to rain or water.
  - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
  - If the product has been dropped or the cabinet has been damaged.
  - If the product exhibits a distinct change in performance, indicating a need for service.
- 16** To protect your product against power surges, we recommend the use of a power protection device (Surge Protector).

## Trademarks

---

The Brother logo is a registered trademark of Brother Industries, Ltd.

Brother is a registered trademark of Brother Industries, Ltd.

Multi-Function Link is a registered trademark of Brother International Corporation.

© 2004 Brother Industries, Ltd. All rights reserved.

Windows and Microsoft are registered trademarks of Microsoft in the U.S. and other countries.

Macintosh and TrueType are registered trademarks of Apple Computer, Inc.

PaperPort and OmniPage OCR are registered trademarks of ScanSoft, Inc.

Presto! PageManager is a registered trademark of NewSoft Technology Corporation.

Microdrive is a trademark of International Business Machine Corporation.

SmartMedia is a registered trademark of Toshiba Corporation.

CompactFlash is a registered trademark of SanDisk Corporation.

Memory Stick is a registered trademark of Sony Corporation.

SecureDigital is a trademark of Matsushita Electric Industrial Co.Ltd., SanDisk Corporation and Toshiba Corporation.

SanDisk is a licensee of the SD and miniSD trademarks.

xD-Picture Card is a trademark of Fuji Film Co. Ltd., Olympus Optical Co. Ltd and Toshiba Corporation.

Memory Stick Duo and MagicGate are trademarks of Sony Corporation.

Each company whose software title is mentioned in this manual has a Software License Agreement specific to its proprietary programs.

**All other brand and product names mentioned in this User's Guide and the Software User's Guide are registered trademarks of their respective companies.**

# 5 Troubleshooting and routine maintenance

## Troubleshooting

### Error messages

---

As with any sophisticated office product, errors may occur. If this happens, your DCP identifies the problem and displays an error message. The most common error messages are shown below.

You can correct most problems by yourself. If you need additional help, the Brother Solutions Center offers latest FAQs and troubleshooting tips.

Visit us at <http://solutions.brother.com>.

| ERROR MESSAGES   |   |  |
|------------------|---|--|
| ERROR MESSAGE    | CAUSE   | ACTION   |
| Cover is Open    | The scanner cover is not closed completely.   | Lift the scanner cover and then close it again.  |
| Data Remaining   | Print data remains in the DCP's memory.   | Re-start printing from your computer.  |
|                  | Print data remains in the DCP's memory. The USB cable was unplugged while the computer was sending the data to the DCP. | Press <b>Stop/Exit</b> . The DCP will cancel the job and eject the page that is being printed.   |
| High Temperature | The print head is too warm.   | Allow the DCP to cool down.  |
| Ink Empty        | One or more of the ink cartridges is empty. The DCP will stop all print operations.                                     | Replace the ink cartridges. (See <i>Replacing the ink cartridges</i> on page 5-20.)  |
| Low Temperature  | The print head is too cold.   | Allow the DCP to warm up.  |
| Media Error      | The media card is either corrupted, improperly formatted, or there is a problem with the media drive.                   | Re-insert the card firmly into the slot to make sure it is in the proper position. If the error remains, check the media drive by inserting another media card that you know is working. |

| ERROR MESSAGES  |   |   |
|---|---|---|
| ERROR MESSAGE   | CAUSE   | ACTION  |
| Near Empty  | One or more of the ink cartridges are running out of ink.   | Order a new ink cartridge.  |
| No Cartridge  | An ink cartridge is not properly installed.   | Take out the ink cartridge and put it in again seating it properly.<br>(See <i>Replacing the ink cartridges</i> on page 5-20.)  |
| No File   | The media card in the media drive does not contain a .JPG file.   | Reinsert the correct media card.  |
| No Paper Fed  | The DCP is out of paper.  | Add paper, and then press <b>Black Start</b> or <b>Color Start</b> .  |
|   | The paper is jammed in the DCP.   | See <i>Printer jam or paper jam</i> on page 5-3.  |
| Out of Memory   | DCP's memory is full.   | (Copy operation in process)<br>Press <b>Stop/Exit</b> and wait until the other operations in progress finish and then try again.  |
| Paper Jam   | Paper is jammed in the DCP.   | See <i>Printer jam or paper jam</i> on page 5-3.  |
| Unable to Change<br>Unable to Clean<br>Unable to Init.<br>Unable to Print<br>Unable to Scan | The DCP has a mechanical problem.<br>—OR—<br>A foreign obstacle such as a clip or ripped paper is in the DCP. | Open the scanner cover and remove any foreign obstacles inside the DCP. If the error message continues, disconnect the DCP from the power source for several minutes then reconnect it. |

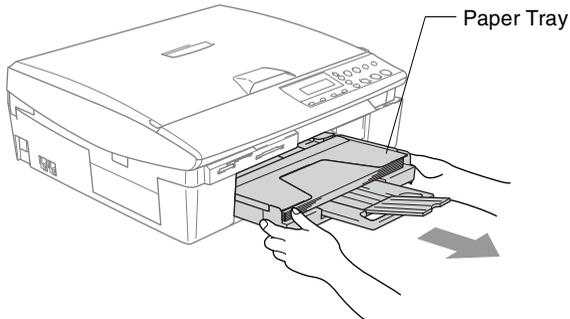
## Printer jam or paper jam

---

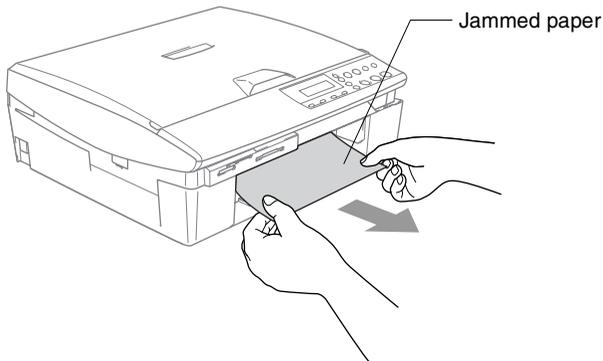
Remove the jammed paper depending on where it is jammed in the DCP.

### Paper is jammed inside the paper tray

- 1 Pull the paper tray out of the DCP.

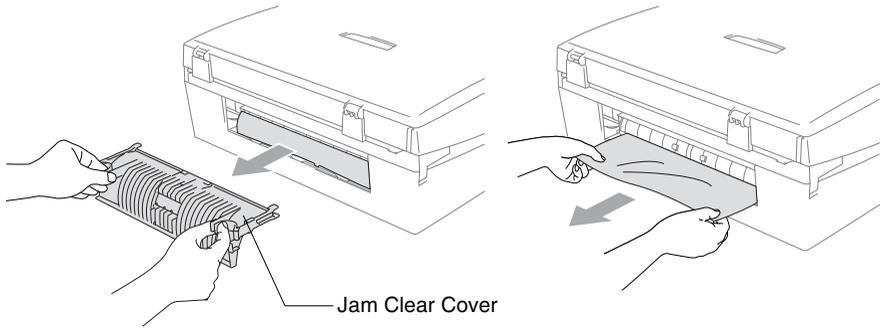


- 2 Pull out the jammed paper to remove it.

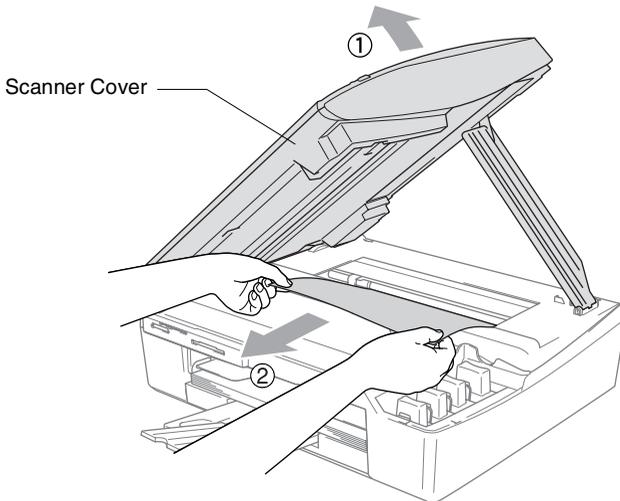


## Paper is jammed inside the DCP

- 1 Remove the Jam Clear Cover. Pull the jammed paper out of the DCP.

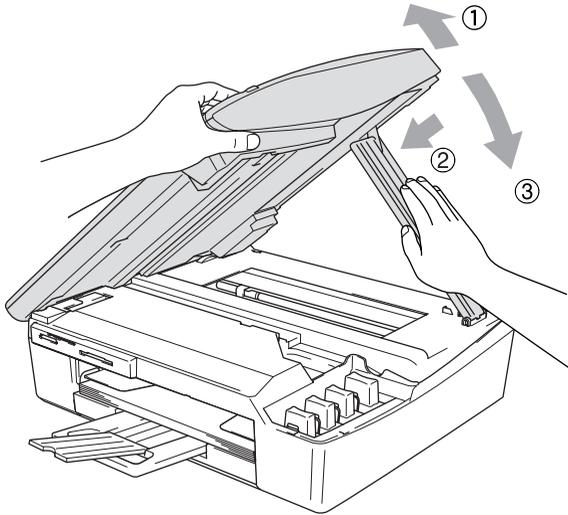


- 2 Re-insert the Jam Clear Cover.
- 3 If you can not pull out the jammed paper, lift the scanner cover from the right-hand side of the DCP until it locks securely into the open position.
- 4 Remove the jammed paper.



-  If the paper is jammed underneath the print head, disconnect the DCP from the power source so you can move the print head and take out the paper.

- 5** Lift the scanner cover to release the lock. Gently push the scanner cover support down and close the scanner cover.



## If you are having difficulty with your DCP

If you think there is a problem with your DCP, check the chart below and follow the troubleshooting tips.

The Brother Solutions Center offers latest FAQs and troubleshooting tips.

Visit us at <http://solutions.brother.com>.

| DIFFICULTY   | SUGGESTIONS  |
|--|--|
| <b>Printing Difficulties</b>                       |  |
| No printout  | Check the interface cable connection on both the DCP and your computer.  |
|  | One or more ink cartridges are empty. (See <i>Replacing the ink cartridges</i> on page 5-20.)  |
|  | Check to see if the LCD is showing an error message. (See <i>Error messages</i> on page 5-1.)  |
| Poor quality print.                                | Check the print quality. (See <i>Checking the print quality</i> on page 5-11.)   |
|  | Make sure the Printer Driver or Paper Type setting in the menu matches the type of paper you are using. (See <i>Media Type</i> on page 1-8 in Software User's Guide on the CD-ROM and <i>Setting Paper Type</i> on page 2-12.)   |
|  | Make sure your ink cartridges are fresh. Cartridges remain fresh for up to two years if kept in their original packaging, after that the ink may become clogged. Cartridge expiration dates are printed on the package.  |
|  | Try using the recommended types of paper. (See <i>About paper</i> on page 1-6.)  |
|  | The recommended environment for your DCP is between 68°F to 91°F (20°C to 33°C).   |
| White horizontal lines appear in text or graphics. | Clean the print head. (See <i>Cleaning the print head</i> on page 5-10.)   |
|  | Try using the recommended types of paper. (See <i>About paper</i> on page 1-6.)  |
|  | If horizontal bands appear when using plain paper, use the 'Enhanced Normal Printing' mode to help avoid banding on some types of plain paper. In the printer driver 'Basic' tab, click 'Settings', and check 'Enhanced Normal Printing'.<br>If you continue to have horizontal bands, change the Media Type selection to 'Slow Drying Paper' in the printer driver 'Basic' tab to help enhance the print quality. |
| The DCP prints blank pages.                        | Clean the print head. (See <i>Cleaning the print head</i> on page 5-10.)   |
| Characters and lines are stacked.                  | Check the printing alignment. (See <i>Checking the printing alignment</i> on page 5-13.)   |
| Printed text or images are skewed.                 | Make sure the paper is loaded properly in the paper tray and the paper side guide is adjusted correctly. (See <i>How to load paper, envelopes and post cards</i> on page 1-11.)  |

| <b>DIFFICULTY</b>   | <b>SUGGESTIONS</b>  |
|---|---|
| Smudged stain at the top center of the printed page.            | Make sure the paper is not too thick or not curled. (See <i>About paper</i> on page 1-6.)   |
| Printing appears dirty or ink seems to run.                     | Make sure you are using the proper types of paper. (See <i>About paper</i> on page 1-6.) Don't handle the paper until the ink is dry.   |
| Stains appear on the reverse side or at the bottom of the page. | Make sure the Printer Platen is not dirty with ink. (See <i>Cleaning the DCP printer platen</i> on page 5-19.)  |
|   | Make sure you are using the paper support flap. (See <i>How to load paper, envelopes and post cards</i> on page 1-11.)  |
| There are some dense lines.                                     | Check 'Reverse Order' in the Basic tab of the printer driver.   |
| The printouts are wrinkled.                                     | In the printer driver 'Basic' tab, click the 'Settings', and uncheck the 'Bi-Directional Printing'.   |
| Cannot perform '2 in 1 or 4 in 1' printing.                     | Check that the paper size setting in the application and in the printer driver are the same.  |
| Print speed is too slow.  | Changing the printer driver setting may improve the print speed. Highest resolution needs longer data processing, transfer and printing time. Try the other settings of quality in the printer driver 'Basic' tab. Also, click the 'Settings' tab, and make sure you uncheck the Color Enhancement. |
|   | Borderless printing is slower than normal printing. If you want to print more quickly, set the Borderless feature off. (See <i>Borderless</i> on page 3-14.)  |
| Color Enhancement (True2Life®) is not working properly.         | If the image data is not full color in your application (Such as 256 color), color Enhancement (True2Life®) will not work. Please use at least 24 bit color data with the Color Enhancement (True2Life®) feature.   |
| DCP feeds multiple pages  | Make sure the paper is loaded properly in the paper tray. (See <i>How to load paper, envelopes and post cards</i> on page 1-11.)  |
|   | Check that more than two types of paper are not loaded in the paper tray at any one time.   |
| Printed pages are not stacked neatly.                           | Make sure you are using the paper support flap. (See <i>How to load paper, envelopes and post cards</i> on page 1-11.)  |
| DCP does not print from Paint Brush.                            | Try setting the Display setting to '256 colors.'  |
| DCP does not print from Adobe Illustrator.                      | Try to reduce the print resolution.   |
| <b>Copying Difficulties</b>                                     |   |
| Vertical streaks appear in copies.                              | Sometimes you may see vertical streaks on copies. Clean the scanner. (See <i>Cleaning the scanner</i> on page 5-18.)  |
| <b>Scanning Difficulties</b>                                    |   |
| TWAIN/WIA errors appear while scanning.                         | Make sure the Brother TWAIN/WIA driver is selected as the primary source. In PaperPort®, click Scan in the File menu and select the Brother TWAIN/WIA driver.   |

| DIFFICULTY                                      | SUGGESTIONS  |
|---|--|
| <b>Software Difficulties</b>                    |  |
| Cannot install software or print                | Run the <b>Repair MFL-Pro Suite</b> program on the CD-ROM. This program will repair and reinstall the software.  |
| 'Device Busy'                                   | Make sure the DCP is not showing an error message on the LCD.  |
| <b>PhotoCapture Center™ Difficulties</b>        |  |
| Removable Disk does not work properly.          | <p>a) Have you installed the Windows® 2000 update?<br/>If not, do the following:</p> <ol style="list-style-type: none"> <li>1. Disconnect the USB cable.</li> <li>2. Install the Windows® 2000 update. Please see the Quick Setup Guide. After the installation the PC will be automatically restarted.</li> <li>3. Wait about 1 minute after you reboot the PC, and then connect the USB cable.</li> </ol> <p>b) Take out the media card and put it back in again.</p> <p>c) If you have tried "Eject" from within Windows®, you must take out the media card before you continue.</p> <p>d) If an error message appears when you try to eject the media card, it means the card is being accessed.<br/>Wait a while and then try again.</p> <p>e) If all of the above do not work, please turn off your PC and DCP, and then turn them on again.<br/>(You will have to unplug the power cord of the DCP to turn it off.)</p> |
| Cannot access Removable Disk from Desktop icon. | Make sure you have inserted the media card into the media slot.  |
| <b>Other Difficulties</b>                       |  |
| Incorrect LCD language                          | See <i>How to change LCD language</i> on page 5-9.   |

## How to change LCD language

---

You can change the LCD language.

- 1 Press **Menu**.
- 2 Press  or  to select 0.Initial Setup.  
Press **Set**.
- 3 Press  or  to select 0.Local Language.  
Press **Set**.
- 4 Press  or  to select your language.  
Press **Set**.
- 5 Press **Stop/Exit**.

## How to improve the LCD viewing

---

You can adjust the LCD contrast for a sharper and more vivid display. If you are having difficulty seeing the LCD from your position, try to change the contrast settings for improved viewing.

- 1 Press **Menu**.
- 2 Press  or  to select 0.Initial Setup.  
Press **Set**.
- 3 Press  or  to select 2.LCD Contrast.  
Press **Set**.
- 4 Press  or  to select Dark (or Light).  
Press **Set**.
- 5 Press **Stop/Exit**.

# How to improve print quality

## Cleaning the print head

---

To ensure good print quality, the DCP will regularly clean the print head. You can start the cleaning process manually if needed.

Clean the print head and ink cartridges if you get a horizontal line in the text or graphics on your printed pages. You can clean Black only or three colors at a time (Cyan/Yellow/Magenta), or all four colors at once.

Cleaning the print head consumes ink. Cleaning too often uses ink unnecessarily.

### **Caution**

Do NOT touch the print head. Touching the print head may cause permanent damage and may void the print head's warranty.

**1** Press **Ink**.

**2** Press  or  to select **Cleaning**.

Press **Set**.

**3** Press  or  to select **Black, Color or All**.

Press **Set**.

The DCP will clean the print head. When cleaning is finished, the DCP will go back to standby mode automatically.



If you clean the print head at least five times and the print has not improved, call Brother Customer Service (See *Brother numbers* on page i).

## Checking the print quality

---

If faded or streaked colors and text appears on your output, some of the nozzles may be clogged. You can check this by printing the Print Quality Check Sheet and looking at the nozzle check pattern.

- 1 Press **Ink**.
- 2 Press  $\blacktriangle$  or  $\blacktriangledown$  to select `Test Print`.  
Press **Set**.
- 3 Press  $\blacktriangle$  or  $\blacktriangledown$  to select `Print Quality`.  
Press **Set**.
- 4 Press **Color Start**.  
The DCP begins printing the Print Quality Check Sheet.
- 5 Follow the instructions given on the sheet to see if the quality is OK.

### Color block quality check

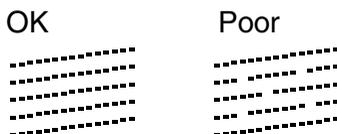
The LCD shows:



- 6 Check the quality of the four color blocks on the sheet.
- 7 If all lines are clear and visible, press  $\blacktriangle$  (Yes) and go to Step 10.

—OR—

If you can see missing short lines as shown below, press  $\blacktriangledown$  (No).

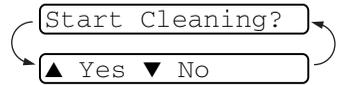


The LCD will ask you if the print quality is OK for black and three colors.



- 8 Press **▼** (No) for black or three colors with a problem.

The LCD shows:



Press **▲** (Yes). The DCP will start cleaning the print head.

- 9 After cleaning is finished, press **Color Start**. The DCP will start printing the Print Quality Check Sheet again and then return to Step 5.

- 10 Press **Stop/Exit**.

If you still see missing ink in this Print Quality Check Sheet, repeat the cleaning and test print procedures at least five times. If ink is still missing after the fifth cleaning and test print, replace the ink cartridge for the clogged color. (Perhaps the ink cartridge was in your DCP over six months or the expiration date written on the cartridge package has passed. Or, the ink may not have been stored properly before use.)

After replacing the ink cartridge, check it by printing another Print Quality Check Sheet. If the problem still exists, repeat the cleaning and test print procedures at least five times for the new ink cartridge. If ink is still missing, call Brother Customer Service (See *Brother numbers* on page -i).

### **Caution**

Do NOT touch the print head. Touching the print head may cause permanent damage and may void the print head's warranty.



When a print head nozzle is clogged the printed sample looks like this.



When the print head nozzle is cleaned, the horizontal lines are gone.

## Checking the printing alignment

---

You should rarely need to adjust the printing alignment however, if after transporting the machine your printed text becomes blurred or images become faded then adjustment may need to be made.

**1** Press **Ink**.

**2** Press  $\blacktriangle$  or  $\blacktriangledown$  to select `Test Print`.

Press **Set**.

**3** Press  $\blacktriangle$  or  $\blacktriangledown$  to select `Alignment`.

Press **Set**.

**4** Press **Black Start** or **Color Start**.

The DCP begins printing the Alignment Check Sheet.

The LCD shows:



**5** Check the 600 dpi and 1200 dpi test prints to see if Number 5 most closely matches Number 0. If the Number 5 sample of both the 600 dpi and 1200 dpi are the best matches, press  $\blacktriangle$  (Yes) to finish the Alignment Check and go to Step 8.

—OR—

If another test print number is a better match for either 600 dpi or 1200 dpi, press  $\blacktriangledown$  (No) to select it.

**6** For 600 dpi, press  $\blacktriangle$  or  $\blacktriangledown$  to select the number of the test print that most closely matches the Number 0 sample (1-8).

`600dpi Adjust`

`Select Best #5`

Press **Set**.

**7** For 1200 dpi, press  $\blacktriangle$  or  $\blacktriangledown$  to select the number of the test print that most closely matches the Number 0 sample (1-8).

`1200dpi Adjust`

`Select Best #5`

Press **Set**.

**8** Press **Stop/Exit**.

# Checking the ink volume

You can check the ink that is left in the cartridge.

**1** Press **Ink**.

**2** Press  or  to select  
Ink Volume.

Ink Volume 

Press **Set**.

**3** Press  or  to select the color you want to check.

The LCD shows the ink volume.

Bk: -□□□■□□□+ 

**4** Press **Stop/Exit**.

# Packing and shipping the DCP

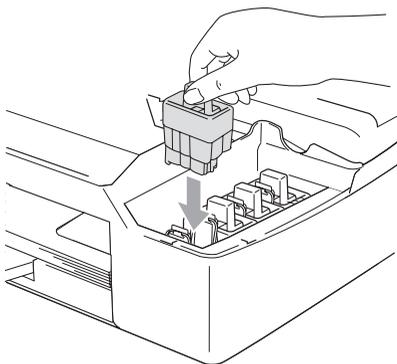
Whenever you transport the DCP, use the packing materials that came with your DCP. If you do not pack the DCP properly, you could void your warranty.

## Caution

It is important to allow the DCP to ‘park’ the print head after a print job. Listen carefully to the DCP before disconnecting it from the power source to ensure that all mechanical noise has stopped. Not allowing the DCP to complete this parking process may lead to print problems and possible damage to the print head.

- 1** Lift the scanner cover from the right-hand side of the DCP until it locks securely into the open position.
- 2** Remove all the ink cartridges and attach the protective parts. (See *Replacing the ink cartridges* on page 5-20.)

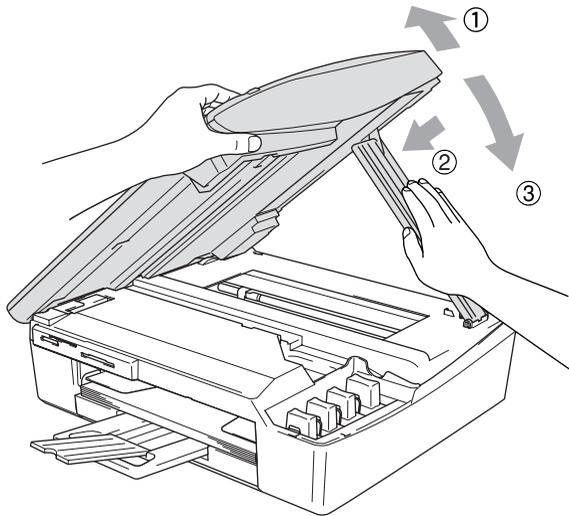
When attaching the protective parts, make sure they clip into place as shown in the diagram.



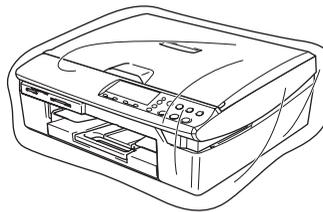
## Caution

If you are not able to find the protective parts, do NOT remove the ink cartridges before shipping. It is essential that the DCP be shipped with either the protective parts or the ink cartridges in position. Shipping without them will cause damage to your DCP and may void your warranty.

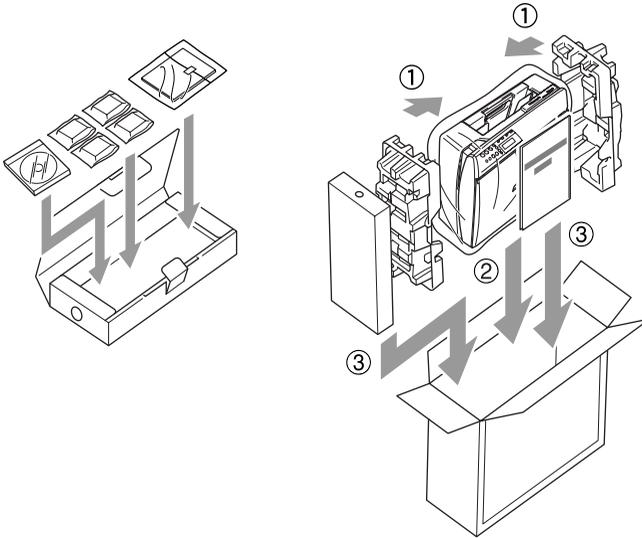
- 3** Lift the scanner cover to release the lock. Gently push the scanner cover support down and close the scanner cover.



- 4** Unplug the DCP from the AC power outlet.
- 5** Unplug the USB cable or LAN cable from the DCP, if it is connected.
- 6** Wrap the DCP in the bag and place it in the original carton with the original packing material.



- 7** Pack the printed materials in the original carton as shown below.  
Do not pack the used ink cartridges in the carton.



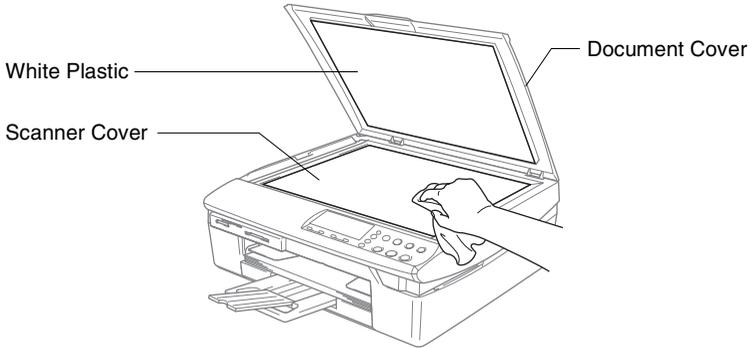
- 8** Close the carton.

# Routine maintenance

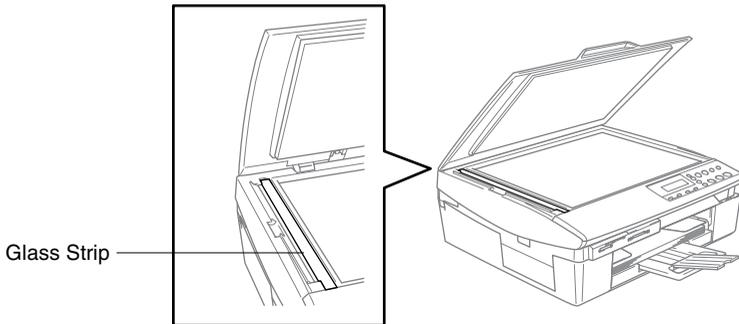
## Cleaning the scanner

---

Lift the document cover. Clean the scanner glass and white plastic above it with isopropyl alcohol on a soft lint-free cloth.



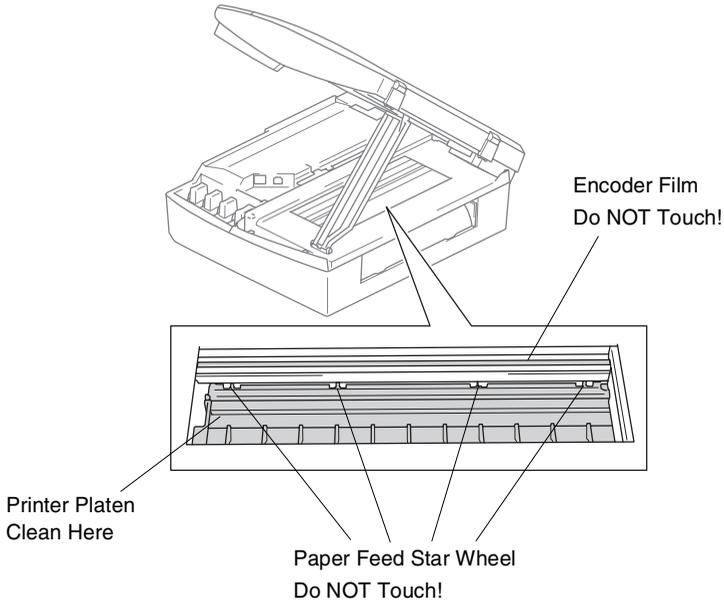
Clean the glass strip with isopropyl alcohol on a lint-free cloth.



## Cleaning the DCP printer platen

---

- Be careful not to touch the paper feed star wheels or encoder film.
- Be sure to unplug the DCP from the AC power outlet before cleaning the printer platen.
- If ink is scattered on or around the printer platen be sure to wipe it off with a soft, dry, lint-free cloth.



## Replacing the ink cartridges

---

Your DCP is equipped with an ink dot counter. The ink dot counter automatically monitors the level of ink in each of the four cartridges. When the DCP detects an ink cartridge is running out of ink, the DCP will notify you with a message on the LCD.

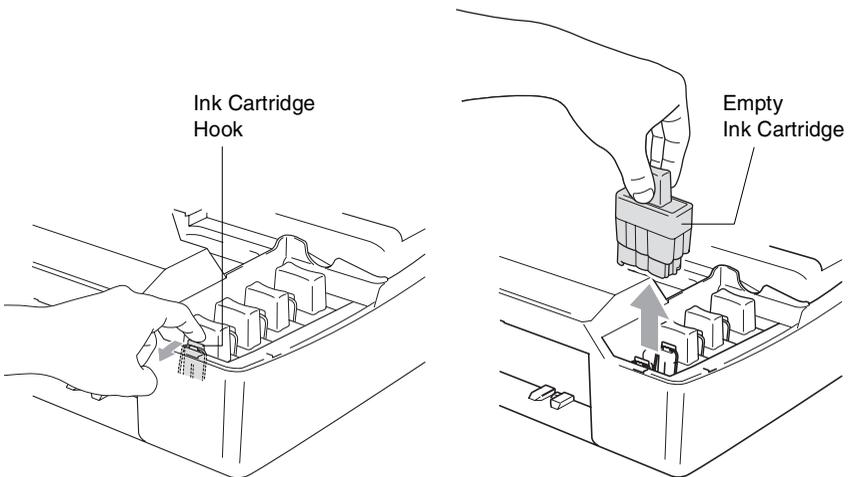
The LCD will inform you which ink cartridge is low or needs replacing. Be sure to follow the LCD prompts to replace the ink cartridges in the correct order.

Even though the DCP informs you that an ink cartridge is empty, there will be a small amount of ink remaining in the ink cartridge. It is necessary to keep some ink in the ink cartridge to prevent air from drying out and damaging the print head assembly.

- 1** Lift the scanner cover from the right-hand side of the DCP until it locks securely into the open position.

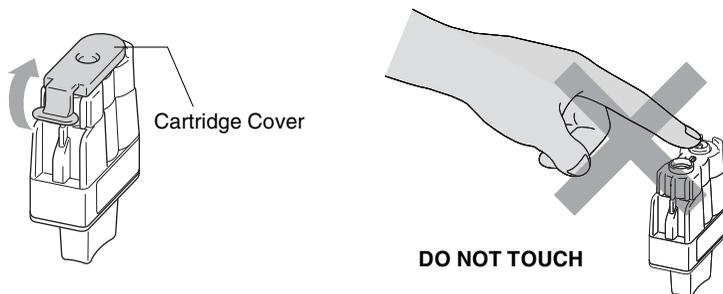
If one or more ink cartridges are empty, for example Black, the LCD shows `Ink Empty Black and Cover is Open`.

- 2** Pull the ink cartridge hook toward you and remove the ink cartridge for the color shown on the LCD.



- 3** Open the new ink cartridge bag for the color shown on the LCD, and then take out the ink cartridge.

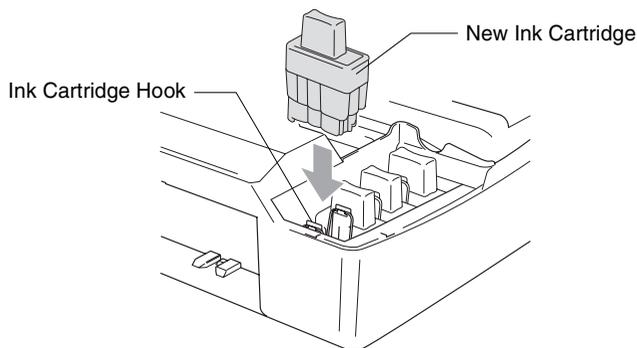
#### 4 Remove the cartridge covers.



⊘ Do not touch the area shown in the illustration above.

 If the cartridge cover comes off when you open the bag the cartridge will not be damaged.

5 Each color has its own correct position. Keep the ink cartridge in an upright position when you insert it into slot. Press down on the ink cartridge until the hook snaps over it.



6 Lift the scanner cover to release the lock. Gently push the scanner cover support down and close the scanner cover.

7 If you replaced an ink cartridge while `Near Empty` was displayed on the LCD, the LCD may ask you to verify that it was a brand new one. Example: `Did You Change Blck?` ▲ Yes ▼ No. For each *new* cartridge you installed, press ▲ (Yes) to automatically reset the ink dot counter for that color. If the ink cartridge you installed is not a brand new one, please be sure to select ▼ (No).

 If you wait until `Ink Empty` message is displayed on the LCD, the DCP will automatically reset the ink dot counter.

 If the `Install` message is on the display after you have installed ink cartridges, check that the ink cartridges are installed properly.

 **WARNING**

If ink gets in your eyes, irrigate them with water immediately and call a doctor if you are concerned.

## **Caution**

- Do not remove ink cartridges if you do not need to replace them. If you do so, it may reduce the ink quantity and the DCP will not know the quantity of ink left in the cartridge.
- Do not touch the cartridge insertion slots. If you do so, the ink may stain your skin.
- If ink stains your skin or clothing, wash with soap or detergent immediately.
- If you install an ink cartridge in the wrong color position, you must clean the print head several times before you start printing (after correcting the cartridge installation) because the colors were mixed.
- Once you open an ink cartridge, install it in the DCP and use it up within six months of installation. Use unopened ink cartridges by the expiration date written on the cartridge package.
- Do not dismantle or tamper with the ink cartridge, this can cause the ink to leak out of the cartridge.
- Brother strongly recommends that you do not refill the ink cartridges provided with your DCP. We also strongly recommend that you continue to use only Genuine Brother Brand replacement ink cartridges. Using or attempting to use potentially incompatible inks and/or cartridges in your DCP may cause damage to the DCP itself and/or it may result in unsatisfactory print quality. Our warranty coverage does not apply to any problem that was caused by the use of unauthorized third party ink and/or cartridges. To protect your investment and guarantee your print quality please continue to replace consumed ink cartridges with only Genuine Brother Branded Supplies.

# A Appendix

## On-screen programming

Your DCP is designed to be easy to use with LCD on-screen programming. User-friendly programming helps you take full advantage of all the menu selections your DCP has to offer.

Since your programming is done on the LCD, we have created step-by-step on-screen instructions to help you program your DCP. All you need to do is follow the instructions as they guide you through the menu selections and programming options.

### Menu table

---

You can probably program your DCP without the User's Guide if you use the Menu table that begins on page A-3. These pages will help you understand the menu selections and options that are found in the DCP's programs.

### Printing reports

---

The following reports are available.

- |                 |  |
|-----------------|--|
| 1.Help List     | Prints the Help List so you can see at-a-glance how to quickly program your DCP. |
| 2.User Settings | Lists your settings.   |

**1** Press **Menu**.

**2** Press **▲** or **▼** to select `Print Reports`.

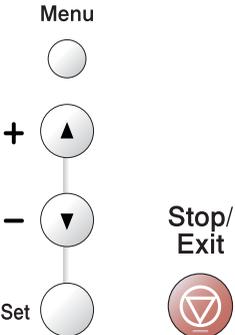
Press **Set**.

**3** Press **▲** or **▼** to select the report you want.

Press **Set**.

**4** Press **Black Start**.

# Menu Mode

|   |  |   |
|---|--|---|
|  |   | Access the menu                               |
|   | <br> | Scroll through the current menu level         |
|   |   | Accept an option<br>Go to the next menu level |
|   |   | Exit the menu                                 |

You can access the menu mode by pressing **Menu**.

When you enter the menu, the LCD scrolls.

1.Copy

2.PhotoCapture

⋮

0.Initial Setup

You can scroll more quickly through each menu level by pressing the arrow for the direction you want:  or .

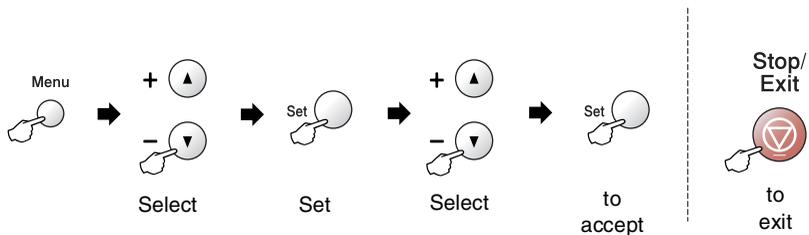
Select an option by pressing **Set** when that option appears on the LCD.

The LCD will then show the next menu level.

Press  or  to scroll to your next menu selection.

Press **Set**.

When you finish setting an option, the LCD shows *Accepted*.



| Main Menu | Submenu      | Menu Selections | Options  | Descriptions   | Page |
|-----------|--------------|-----------------|--|--|------|
| 1.Copy    | 1.Paper Type | —               | <b>Plain</b><br>Inkjet<br>Glossy<br>Transprncy           | Sets the type of paper in the paper tray.              | 2-12 |
|           | 2.Paper Size | —               | <b>Letter</b><br>Legal<br>A4<br>A5<br>4 "x6 "            | Sets the size of the paper in the paper tray.          | 2-13 |
|           | 3.Quality    | —               | Best<br><b>Normal</b><br>Fast                            | Selects the Copy resolution for your type of document. | 2-13 |
|           | 4.Brightness | —               | - □□□■ +<br>- □□□■ +<br>- □□□□ +<br>- □□□□ +<br>- ■□□□ + | Adjusts the brightness.                                | 2-14 |
|           | 5.Contrast   | —               | - □□□■ +<br>- □□□■ +<br>- □□□□ +<br>- □□□□ +<br>- ■□□□ + | Adjusts the contrast for copies.                       | 2-14 |



The factory settings are shown in Bold.

| Main Menu             | Submenu            | Menu Selections | Options  | Descriptions                           | Page |
|-----------------------|--------------------|-----------------|--|--|------|
| 1.Copy<br>(Continued) | 6.Color<br>Adjust  | 1.Red           | R:- 0000■ +<br>R:- 0000■ +<br><b>R:- 0000■ +</b><br>R:- 0■0000 +<br>R:- ■0000 +  | Adjusts the amount of Red in copies.   | 2-15 |
|                       |                    | 2.Green         | G:- 0000■ +<br>G:- 0000■ +<br><b>G:- 0000■ +</b><br>G:- 0■0000 +<br>G:- ■0000 +  | Adjusts the amount of Green in copies. |      |
|                       |                    | 3.Blue          | B:- 0000■ +<br>B:- 0000■ +<br><b>B:- 0000■ +</b><br>B:- 0■0000 +<br>B:- ■0000 +  | Adjusts the amount of Blue in copies.  |      |
| 2.PhotoCapture        | 1.Print<br>Quality | —               | Normal<br><b>Photo</b>   | Selects the print quality.             | 3-9  |
|                       | 2.Paper &<br>Size  | —               | <b>Letter Glossy</b><br>4"x 6" Glossy<br>5"x 7" Glossy<br>A4 Glossy<br>Letter Plain<br>A4 Plain<br>Letter Inkjet<br>A4 Inkjet<br>4"x 6" Inkjet | Selects the paper and print size.      | 3-9  |
|                       | 3.Brightness       | —               | - 0000■ +<br>- 0000■ +<br>- 0000■ +<br>- 0■0000 +<br>- ■0000 +   | Adjusts the brightness.                | 3-10 |
|                       | 4.Contrast         | —               | - 0000■ +<br>- 0000■ +<br>- 0000■ +<br>- 0■0000 +<br>- ■0000 +   | Adjusts the contrast.                  | 3-10 |



The factory settings are shown in Bold.

| Main Menu                     | Submenu          | Menu Selections   | Options  | Descriptions   | Page |
|-------------------------------|------------------|---|--|--|------|
| 2.PhotoCapture<br>(Continued) | 5.True2Life      | True2Life:On<br>True2Life:Off   | 1.White Balance<br>- o o o o ■ +<br>- o o o ■ o +<br>- o o ■ o o +<br>- o ■ o o o +<br>- ■ o o o o + | Adjusts the hue of the white areas.  | 3-11 |
|                               |                  |   | 2.Sharpness<br>- o o o o ■ +<br>- o o o ■ o +<br>- o o ■ o o +<br>- o ■ o o o +<br>- ■ o o o o +     | Enhances the detail of the image.  |      |
|                               |                  |   | 3.Color Density<br>- o o o o ■ +<br>- o o o ■ o +<br>- o o ■ o o +<br>- o ■ o o o +<br>- ■ o o o o + | Adjusts the total amount of color in the image.  |      |
|                               | 6.Cropping       | —   | On<br>Off  | Crops the image around the margin to fit the paper size or print size. Turn this feature Off if you want to print whole images or prevent unwanted cropping. | 3-13 |
| 7.Borderless                  | —                | On<br>Off   | Expands the printable area to the edges of the paper.  | 3-14   |      |
| 8.Scan to Card                | 1.Quality        | B/W 200x100 dpi<br>B/W 200 dpi<br>Color 150 dpi<br>Color 300 dpi<br>Color 600 dpi | Selects the Scan resolution for your type of document.   | 2-25*1   |      |
|                               | 2.B/W File Type  | TIFF<br>PDF   | Selects the default file format for black and white scanning.  |  |      |
|                               | 3.ColorFile Type | PDF<br>JPEG   | Selects the default file format for color scanning.  |  |      |
| 3.Print Reports               | 1.Help List      | —   | —  | You can print these lists and reports.   | A-1  |
|                               | 2.User Settings  | —   | —  |  |      |



The factory settings are shown in Bold.

\*1 See the complete Software User's Guide on the CD-ROM.

| Main Menu       | Submenu          | Menu Selections | Options                  | Descriptions  | Page                  |
|-----------------|------------------|-----------------|--------------------------|---|-----------------------|
| 0.Initial Setup | 1.Date/Time      | —               | —                        | Puts the date and time in your DCP.                     | See Quick Setup Guide |
|                 | 2.LCD Contrast   | —               | <b>Light</b><br>Dark     | Adjusts the contrast of the LCD.                        | 5-9                   |
|                 | 0.Local Language | —               | <b>English</b><br>French | Allows you to change the LCD Language for your country. | See Quick Setup Guide |



The factory settings are shown in Bold.

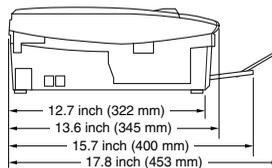
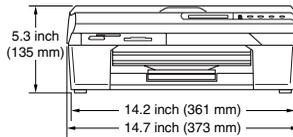
# S Specifications

## Product description

### General

|                                     |  |
|-------------------------------------|--|
| <b>Memory Capacity</b>              | 8 MB   |
| <b>Paper Tray</b>                   | 100 Sheets 20 lb (75 g/m <sup>2</sup> )                                    |
| <b>Printer Type</b>                 | Ink Jet  |
| <b>Print Method</b>                 | Piezo with 74 x 5 nozzles  |
| <b>LCD (Liquid Crystal Display)</b> | 16 characters x 1 line   |
| <b>Power Source</b>                 | 100 - 120V AC 50/60Hz  |
| <b>Power Consumption</b>            | Off Mode: Average 3 W<br>Standby: Average 7.5 W<br>Operating: Average 18 W |

### Dimensions



|                    |   |
|--------------------|---|
| <b>Weight</b>      | 11 lb (5.0 kg)  |
| <b>Noise</b>       | Operating: 42.5 to 51 dB*<br>* It depends on printing conditions                                    |
| <b>Temperature</b> | Operating: 50°F -95°F (10 - 35°C)<br>Best Print Quality: 68°F -91°F (20 - 33°C)                     |
| <b>Humidity</b>    | Operating: 20 to 80% (without condensation)<br>Best Print Quality: 20 to 80% (without condensation) |

# Print media

## Paper Input

## Paper Tray

- Paper type:  
Plain paper, inkjet paper (coated paper), glossy paper\*<sup>2</sup>, transparencies\*<sup>1\*2</sup> and envelopes
- Paper size:  
Letter, Legal\*<sup>3</sup>, Executive, A4, A5, A6, JIS\_B5, envelopes (commercial No.10, DL, C5, Monarch, JE4), Photo card, Index card, Post Card.  
For more details, see *Paper type and size for each operation* on page 1-8.
- Maximum paper tray capacity: Approx. 100 sheets of 20 lb plain paper

## Paper Output

Up to 25 sheets of Letter (A4) plain paper (Face up print delivery to the output paper tray)\*<sup>2</sup>

\*<sup>1</sup> Use only transparencies recommended for inkjet printing.

\*<sup>2</sup> For glossy paper and transparencies, we recommend removing printed pages from the output paper tray immediately after they exit the machine to avoid smudging.

\*<sup>3</sup> Legal paper cannot be stacked on the output paper tray.

# Copy

## Color/Black

## Color/Black

## Copy Speed

## Black

Up to 17 pages/minute (Letter paper)\*

## Color

Up to 11 pages/minute (Letter paper)\*

\* Does not include the time it takes to feed the paper.

Based on Brother standard pattern. (Fast mode)

Copy speeds vary with the complexity of the document.

## Multiple Copies

Up to 99 pages

## Enlarge/Reduce

25% to 400% (in increments of 1%)

## Resolution

Up to 600 x 1200 dpi copy resolution for plain, inkjet or glossy paper and up to 1200 x 1200 dpi for OHP/transparency

## Document Size

Scanner Glass Width: Max. 8.5 in.

Scanner Glass Height: Max. 11.7 in.

## Scanning Width

8.26 in.

# PhotoCapture Center™

## Available Media

CompactFlash®

(Type I only)

(Microdrive™ is not compatible)

(Compact I/O card such as Compact LAN card and Compact Modem card are not supported.)

SmartMedia® (3.3V)

(Not available for use with ID)

Memory Stick®

(Not available for music data with MagicGate™)

SecureDigital™

xD-Picture Card™

## File Extension

(Media Format)

(Image Format)

DPOF, EXIF, DCF

Photo Print: JPEG\*

Scan to Card: JPEG, PDF (Color)

TIFF, PDF (Black)

\* Progressive JPEG format is not supported.

## Number of Files

Up to 999 files in the media card

## Folder

Files must be in the 3rd folder level of the media card.

## Borderless

A4, Letter, Photo Card

# Scanner

|                         |  |
|-------------------------|--|
| <b>Color/Monochrome</b> | Yes/Yes  |
| <b>TWAIN Compliant</b>  | Yes (Windows® 98/98SE/Me/2000 Professional/XP)<br>Mac OS® 8.6 - 9.2/Mac OS® X 10.2.4 or greater  |
| <b>WIA Compliant</b>    | Yes (Windows® XP)  |
| <b>Color Depth</b>      | 36 bit color processing (Input)<br>24 bit color processing (Output)  |
| <b>Resolution</b>       | Up to 19200 × 19200 dpi (interpolated)*<br>Up to 600 × 2400 dpi (optical)<br><small>* Maximum 1200 x 1200 dpi scanning with Windows® XP<br/>(resolution up to 19,200, x 19,200 dpi can be selected by using<br/>the Brother scanner utility)</small> |
| <b>Scanning Speed</b>   | Color: up to 5.58 sec.<br>Black: up to 3.54 sec.<br>(Letter size in 100 × 100 dpi)   |
| <b>Document Size</b>    | Scanner Glass Width: Max. 8.5" (216 mm)<br>Scanner Glass Height: Max. 11.7" (297 mm)   |
| <b>Scanning Width</b>   | 8.26 in.   |
| <b>Gray Scale</b>       | 256 levels   |



Mac OS® X scanning is supported in Mac OS® X 10.2.4 or greater.

# Printer

## Printer Driver

Windows® 98/98SE/Me/2000 Professional and XP driver supporting Brother Native Compression mode and bi-directional capability  
Apple® Macintosh® QuickDraw® Driver  
For Mac OS® 8.6 - 9.2/Mac OS® X 10.2.4 or greater

## Resolution

Up to 1200 x 6000 dots per inch (dpi)\*  
1200 x 1200 dots per inch (dpi)  
600 x 600 dots per inch (dpi)  
600 x 150 dots per inch (dpi)

\* Output image quality varies based upon many factors including but not limited to input image resolution and quality and print media.

## Print Speed

up to 20 pages/minute (Black)\*  
up to 15 pages/minute (Color)\*

\* Based on Brother standard pattern.  
Letter size in draft mode.  
Does not include the time it takes to feed the paper.

## Printing Width

8.03 inches (8.5 inches)\* / 204 mm (216mm)\*

\* When you set the Borderless feature to On.

## Disk-Based Fonts

35 TrueType

## Borderless

Letter, A4, A6, Photo Card, Index Card, Post Card

# Interfaces

## USB

A USB 2.0 cable that is no longer than 2.0 m.\*

\* Your DCP has a Full-Speed USB 2.0 interface. This interface is compatible with Hi-Speed USB 2.0; however, the maximum data transfer rate will be 12 Mbits/s. The DCP can also be connected to a computer that has a USB 1.1 interface.

# Computer requirements

| Minimum System Requirements   |  |   |             |                 |                           |                  |
|---|--|---|-------------|-----------------|---------------------------|------------------|
| Computer Platform & Operating System Version  |  | Processor Minimum Speed                   | Minimum RAM | Recommended RAM | Available Hard Disk Space |                  |
|   |  |   |             |                 | for Drivers               | for Applications |
| Windows® *1<br>Operating System   | 98, 98SE   | Pentium II or equivalent                  | 32 MB       | 64 MB           | 90 MB                     | 130 MB           |
|   | Me   |   | 64 MB       | 128 MB          |                           |                  |
|   | 2000 Professional  |   | 128 MB      | 256 MB          | 150 MB                    | 220 MB           |
|   | XP*2   |   |             |                 |                           |                  |
| Apple®<br>Macintosh®<br>Operating System  | Mac OS® 8.6 (Printing Only)                                      | All base models meet minimum Requirements |             | 64 MB           | 80 MB                     | 200 MB           |
|   | Mac OS® 9.X (Printing, Scanning*3 and PhotoCapture Center™ Only) |   |             |                 |                           |                  |
|   | Mac OS® X 10.2.4 or greater                                      |   | 128 MB      | 160 MB          |                           |                  |
| <b>NOTE:</b> All registered trademarks referenced herein are the property of their respective companies.                                |  |   |             |                 |                           |                  |
| For the latest drivers, go to the Brother Solutions Center at <a href="http://solutions.brother.com/">http://solutions.brother.com/</a> |  |   |             |                 |                           |                  |

\*1 Microsoft® Internet Explorer 5 or greater.

\*2 Maximum 1200 x 1200 dpi scanning with Windows® XP. (Resolutions up to 19200 x 19200 dpi can be selected using the Brother Scanning Utility.)

\*3 Dedicated "Scan" key supported in Mac® Operating Systems Mac OS® X 10.2.4 or greater.

# Consumable items

## Ink

The DCP uses individual Black, Yellow, Cyan and Magenta ink cartridges that are separate from the print head assembly.

## Service Life of Ink Cartridge

Black - Approximately 500 pages at 5% coverage  
Yellow, Cyan and Magenta - Approximately 400 pages at 5% coverage

The above figures are based upon the following assumptions:

- Continuous printing at a resolution of 600 x 600 dpi in normal mode after installing new ink cartridge;
- The printing frequency;
- The number of pages printed;
- Periodic, automatic, print head assembly cleaning (Your DCP will clean the print head assembly periodically. This process will use a small amount of ink); and,
- Ink remaining in cartridge identified as “empty” (It is necessary to leave a small amount of ink in the ink cartridge to prevent air from drying out and damaging the print head assembly).

# Optional External Wireless Print/Scan Server (NC-2200w)

## NC-2200w External Wireless Print/Scan Server (Optional)

Connecting the optional External Wireless Print/Scan Server (NC-2200w) to your DCP will allow you to print and scan over a wireless network.

## Network types

IEEE 802.11b wireless LAN

## Support for

Windows® 98/98SE/Me/2000/XP  
Mac OS® X 10.2.4 or greater

## Protocols

TCP/IP  
ARP, RARP, BOOTP, DHCP, APIPA (Auto IP),  
WINS/NetBIOS, DNS, LPR/LPD, Port9100,  
SMB Print, IPP, RawPort, mDNS, TELNET,  
SNMP, HTTP



You can assign the scan key to one networked computer only.

# Index

## A

Accessories and supplies ..... ii

## B

### Brother

- accessories and supplies .... ii
- Brother numbers ..... i
- Customer Service ..... i
- FAQs (frequently asked questions) ..... i
- fax back system ..... ii
- product support ..... i
- warranties ..... iii, iv, vi

## C

### Cleaning

- print head ..... 5-10
- printer platen ..... 5-19
- scanner ..... 5-18

Consumable items ..... S-7

Control panel overview ..... 1-2

### Copy

- brightness ..... 2-8
- color adjustment ..... 2-15
- contrast ..... 2-14
- Copy Quality key ..... 2-3
- default settings ..... 2-12
- Enlarge/Reduce key ..... 2-4
- keys ..... 2-2
- multiple copies ..... 2-1
- Number of Copies key ..... 2-1
- page layout ..... 2-9
- paper size ..... 2-7
- paper type ..... 2-7
- quality ..... 2-13
- single copy ..... 2-1
- temporary settings ..... 2-2

## E

Envelopes ..... 1-10

Error messages on LCD ..... 5-1

Ink Empty ..... 5-1

No Paper Fed ..... 5-2

Out of Memory ..... 5-2

Unable to Change ..... 5-2

Unable to Clean ..... 5-2

Unable to Init. .... 5-2

Unable to Print ..... 5-2

Unable to Scan ..... 5-2

## G

Gray scale ..... S-4

## H

### HELP

Help List ..... A-1

## I

### Ink cartridges

checking ink volume ..... 5-14

ink dot counter ..... 5-20

replacing ..... 5-20

## M

Maintenance, routine ..... 5-18

Menu table ..... A-1

## P

Paper ..... 1-6, S-2

size ..... 2-13

type ..... 2-12

### PhotoCapture Center™

borderless ..... 3-14

color enhancement ..... 3-11

CompactFlash® ..... 3-1

|                        |      |
|------------------------|------|
| cropping .....         | 3-13 |
| default settings ..... | 3-9  |
| DPOF printing .....    | 3-8  |
| Memory Stick® .....    | 3-1  |
| PhotoCapture key ..... | 3-3  |
| printing images .....  | 3-6  |
| printing Index .....   | 3-5  |
| quality .....          | 3-9  |
| scan to card .....     | 3-14 |
| SecureDigital™ .....   | 3-1  |
| SmartMedia® .....      | 3-1  |
| specifications .....   | S-3  |
| xD-Picture Card™ ..... | 3-1  |

## Print

|                         |      |
|-------------------------|------|
| alignment check .....   | 5-13 |
| area .....              | 1-10 |
| difficulties .....      | 5-6  |
| drivers .....           | S-5  |
| improving quality ..... | 5-10 |
| paper jams .....        | 5-3  |
| quality check .....     | 5-11 |
| resolution .....        | S-5  |
| specifications .....    | S-5  |

## R

|                          |     |
|--------------------------|-----|
| Reducing<br>copies ..... | 2-4 |
|--------------------------|-----|

## Reports

|                             |     |
|-----------------------------|-----|
| Help List .....             | A-1 |
| how to print .....          | A-1 |
| Network Configuration ..... | A-1 |
| User Settings .....         | A-1 |

## Resolution

|             |     |
|-------------|-----|
| copy .....  | S-2 |
| print ..... | S-5 |
| scan .....  | S-4 |

## S

|                           |          |
|---------------------------|----------|
| Safety Instructions ..... | vii, 4-4 |
| Shipping the DCP .....    | 5-15     |

## T

|                               |      |
|-------------------------------|------|
| Temporary copy settings ..... | 2-2  |
| Troubleshooting .....         | 5-1  |
| checking ink volume .....     | 5-14 |
| error messages on LCD .....   | 5-1  |
| if you are having difficulty  |      |
| copying .....                 | 5-7  |
| PhotoCapture Center™ .....    | 5-8  |
| printing .....                | 5-6  |
| scanning .....                | 5-7  |
| software .....                | 5-8  |
| paper jam .....               | 5-3  |
| print quality .....           | 5-10 |

## W

|                         |     |
|-------------------------|-----|
| Warranties .....        | iii |
| Canada .....            | vi  |
| Notice-Disclaimer ..... | iii |
| USA .....               | iv  |
| World Wide Web .....    | i   |

## **EQUIPMENT ATTACHMENT LIMITATIONS (Canada only)**

### **NOTICE**

This product meets the applicable Industry Canada technical specifications.

Brother International Corporation  
100 Somerset Corporate Boulevard  
P.O. Box 6911  
Bridgewater, NJ 08807-0911 USA

Brother International Corporation (Canada) Ltd.  
1 rue Hôtel de Ville,  
Dollard-des-Ormeaux, QC, CANADA H9B 3H6

**brother**®

**Visit us on the World Wide Web  
<http://www.brother.com>**

These machines are made for use in the USA and Canada only. We cannot recommend using them overseas because the power requirement of your Digital Copier/Printer may not be compatible with the power available in foreign countries. **Using USA or Canada models overseas is at your own risk and may void your warranty.**



USA/CAN  
LP0030001①