

# DCP-120C

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brother®

## If you need to call Customer Service

Please complete the following information for future reference:

**Model Number:** DCP-120C

**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 machine. 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)

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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 (Letter size / 20 sheets)	BP60 GLL
Matte Inkjet Paper (Letter size / 25 sheets)	BP60 ML
Inkjet Plain Paper (Letter size / 250 sheets)	BP60 PL
User's Guide	LP0254001 (English for USA and Canada) LP0254002 (French For Canada)

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

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## **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

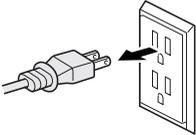
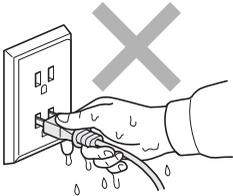
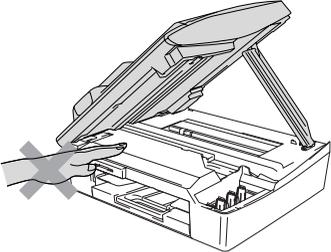
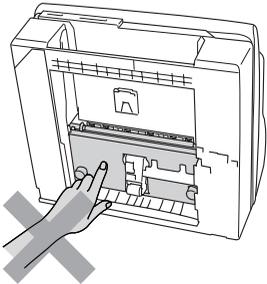
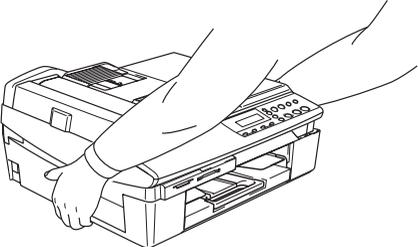
At your side.  
**brother**®

# Safety precautions

## To use the machine safely

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

### WARNING

	<p>There are high voltage electrodes inside the machine. Before you clean the machine, 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 machine 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 machine, 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 machine 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**

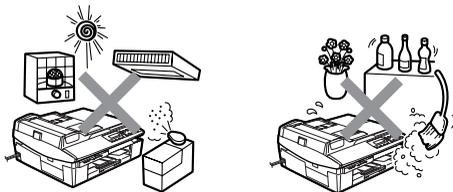
To maintain the best print quality, we recommend that you use the On/Off key to turn off your machine. Do not unplug the power cord from the AC power outlet, unless moving the machine or performing maintenance. If you need to disconnect your machine from the power, you will need to set the date and time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

# Choosing a location

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

## Caution

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



# How to access the complete User's Guide

This User's Guide does not contain all the information about the machine such as how to use the advanced features of the Printer and Scanner. When you are ready to learn detailed information about these operations, read the complete User's Guide that is on the CD-ROM.

## To view Documentation (For Windows®)

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From the **Start** menu, select **Brother, MFL Pro Suite DCP-XXXX** (Where XXXX is your model name) from the Programs Group, and then select **User's Guide**.

—OR—

- 1 Turn on your PC. Insert the Brother CD-ROM labeled Windows® into your CD-ROM drive.
  - 2 If the model name screen appears, click your model name.
  - 3 If the language screen appears, click your language.
- The CD-ROM main menu will appear.



 If this window does not appear, use Windows® Explorer to run the setup.exe program from the root directory of the Brother CD-ROM.

- 4 Click **Documentation**.

- 5** Click the documentation you want to read.
- **Quick Setup Guide:** Setup and Software Installation Instructions
  - **User's Guide (2 manuals):** User's Guide for Stand-alone operations and Software User's Guide
  - **PaperPort® Users Guide:** Document Management Software

## **How to find Scanning instructions**

There are several ways you can scan documents. You can find the instructions as follows:

### **Software User's Guide:**

- Scanning on page 2-1  
(For Windows® 98/98SE/Me/2000 Professional and Windows® XP)
- ControlCenter2 on page 3-1  
(For Windows® 98/98SE/Me/2000 Professional and Windows® XP)

### **PaperPort® User's Guide**

- Instructions for scanning directly from ScanSoft® PaperPort®

# To view Documentation (For Macintosh®)

- 1 Turn on your Macintosh®. Insert the Brother CD-ROM labeled Macintosh® into your CD-ROM drive. The following window will appear.



- 2 Double-click the **Documentation** icon.
- 3 The select Language screen appears, double-click your language.
- 4 Click the documentation you want to read.
  - **Quick Setup Guide:** Setup and Software Installation Instructions
  - **User's Guide (2 manuals):** User's Guide for stand-alone operations and Software User's guide

## How to find Scanning instructions

There are several ways you can scan documents. You can find the instructions as follows:

### Software User's Guide:

- Scanning on page 9-1  
(For Mac OS® 9.1-9.2/Mac OS® X 10.2.4 or greater)
- ControlCenter2 (For Mac OS® X 10.2.4 or greater) on page 10-1

### Presto!® PageManager® User's Guide

- Instructions for scanning directly from Presto!® PageManager®

# How to access Brother Support (For Windows®)

You can find all the contacts you will need, such as Web support (Brother Solutions Center), Customer Service and Brother Authorized Service Centers on page i and on the Brother CD-ROM.

- Click **Brother Support** on the main menu.  
The following screen will appear:



- To access our web site ([www.brother.com](http://www.brother.com)), click **Brother Home Page**.
- To view all Brother Numbers, including Customer Service numbers for the USA and Canada, click **Support Information**.
- To access the USA Brother online shopping mall ([www.brothermall.com](http://www.brothermall.com)) for additional product and services information, click **Brother Mall.com**.
- For the latest news and product support information (<http://solutions.brother.com>), click **Brother Solutions Center**.
- To return to the main page, click **Back**—OR—If you have finished, click **Exit**.

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# 1 Introduction

## Using this Guide

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

## Finding information

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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

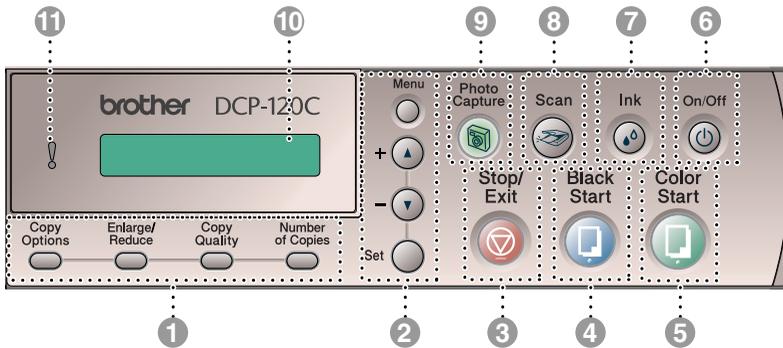
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Throughout this Guide you will see special symbols alerting you to important warnings, notes and actions. To make things clearer and to help you press the correct keys, we used special fonts and added some of the messages that will appear in the LCD.

- Bold**                      Bold typeface identifies specific keys on the machine 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 machine.

-  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 machine or other objects.
-  Notes tell you how you should respond to a situation that may arise or give tips about how the operation works with other features.
-  Improper Setup alerts you to devices and operations that are not compatible with the machine.

# Control panel overview



## 1 Copy keys

### (Temporary settings):

#### Copy Options

You can quickly and easily select temporary settings for copying.

#### Enlarge/Reduce

Lets you enlarge or reduce copies depending on the ratio you select.

#### Copy Quality

Use this key to temporarily change the quality for copying.

#### Number of Copies

Use this key to make multiple copies.

## 2 Menu keys:

### Menu

Lets you access the Menu to program.

+ (▲) or - (▼)

Press to scroll through the menus and options.

Also you can use these keys to enter the number.

### Set

Lets you store your settings in the machine.

- 3  **Stop/Exit**  
Stops an operation or exits from the menu.
- 4  **Black Start**  
Lets you start making copies in black and white.  
Also, lets you start a scanning operation (in color or black, depending on the scanning setting in the ControlCenter software).
- 5  **Color Start**  
Lets you start making copies in full color.  
Also, lets you start a scanning operation (in color or black, depending on the scanning setting in the ControlCenter software).
- 6  **On/Off**  
You can turn the machine on or off. If you turn the machine off, it will still periodically clean the print head to maintain print quality.
- 7  **Ink**  
Lets you clean the print head, check the print quality, and check the available ink volume.
- 8  **Scan**  
Lets you access Scan mode.  
See the Software User's Guide on the CD-ROM.
- 9  **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 machine.
- 11  **Warning LED**  
Turns red when the LCD displays an error or an important status message.

# Warning LED indications

The Warning LED lights when there is a problem with your machine. You should check the LCD display for more details about the problem.



LED	Machine status	Description
! Off	Ready	The machine is ready for use.
! Red	Cover is Open	The cover is open. Close the cover. (See <i>Error messages</i> on page 6-1.)
	Ink Empty	Replace the Ink cartridge with a new one. (See <i>Replacing the ink cartridges</i> on page 6-22.)
	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 6-1.)
	Other Messages	Check the LCD message. (See <i>Troubleshooting and routine maintenance</i> on page 6-1.)

# Load documents

You can make copies and scan from the ADF (automatic document feeder) or from the scanner glass.

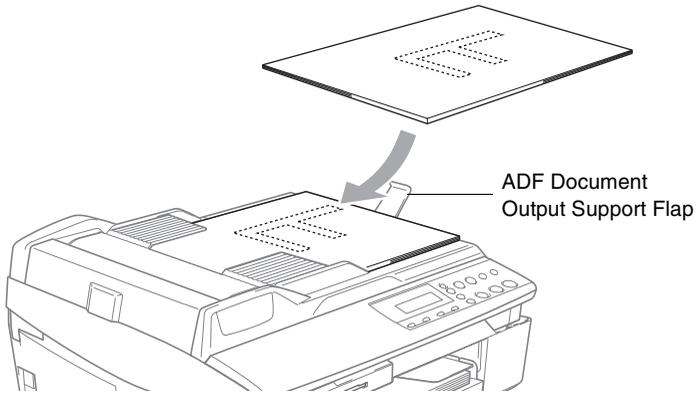
## Using the ADF (automatic document feeder)

---

The ADF can hold up to 10 pages and feeds each sheet individually. Use standard [20 lb (80 g/m<sup>2</sup>)] paper and always fan the pages before putting them in the ADF.

- ⊘ DO NOT use paper that is curled, wrinkled, folded, ripped, stapled, paper clipped, pasted or taped.  
DO NOT use cardboard, newspaper or fabric. (To copy or scan this kind of document, see *Using the scanner glass* on page 1-7.)
- Make sure documents written with ink are completely dry.
- Documents must be from 5.8 to 8.5 inches (147 to 216 mm) wide and 5.8 to 14 inches (147 to 356 mm) long.

- 1** Fan the pages well. Make sure you put the documents **face down, top edge first** in the ADF until you feel them touch the feed roller.
- 2** Adjust the paper guides to fit the width of your documents.
- 3** Unfold the ADF Document Output Support Flap.



- !** **DO NOT** pull on the document while it is feeding.
- !** To use the ADF, the scanner glass must be empty.

## Using the scanner glass

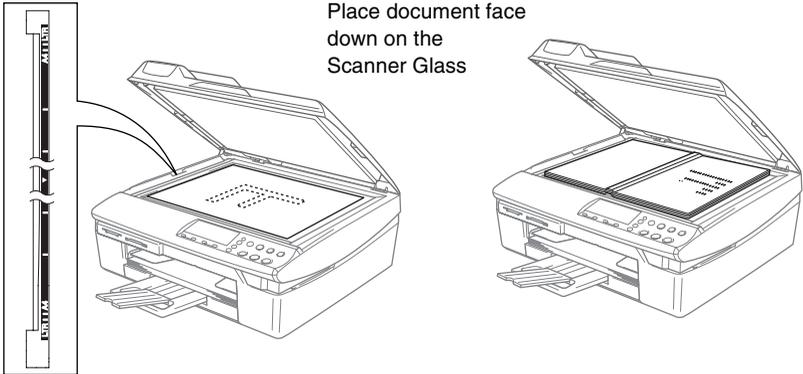
---

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 8.5 in. (216 mm) wide and 11 in. (297 mm) long.



To use the scanner glass, the ADF must be empty.

- 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 machine.

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

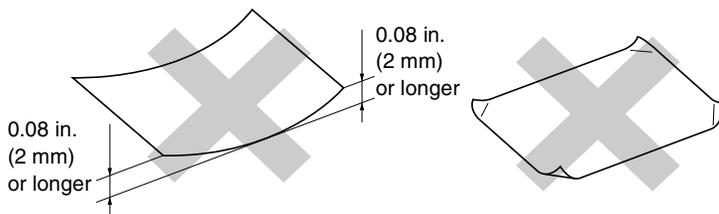
---

- 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 is damaged, curled, wrinkled, or irregularly shaped



- that is extremely shiny or highly textured
- that was previously printed by a printer
- that cannot be arranged uniformly when stacked
- that is 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	—	—	Yes	
	Cards	Photo	Yes	Yes	Yes
		Photo L	—	—	Yes
Photo 2L		—	Yes	Yes	
Index Card		—	—	Yes	
Post Card 1		—	—	Yes	
Post Card 2 (Double)		—	—	Yes	
Envelopes		C5 Envelope	—	—	Yes
		DL Envelope	—	—	Yes
		COM-10	—	—	Yes
	Monarch	—	—	Yes	
	JE4 Envelope	—	—	Yes	
	Transparencies	Letter	Yes	—	Yes
		A4	Yes	—	Yes

## Paper weight, thickness and capacity

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

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

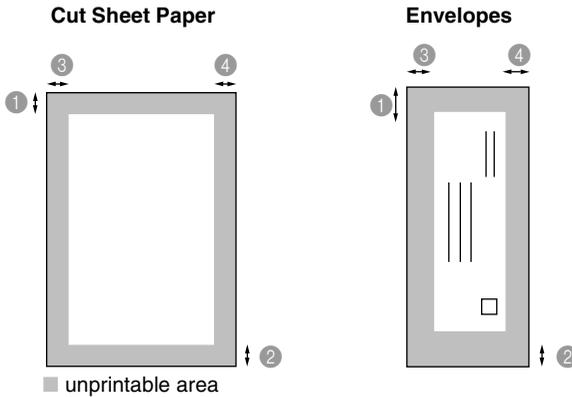
\* Up to 100 sheets of 20 lb (75 g/m<sup>2</sup>).

## 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. (3 mm) (0 in. / 0 mm)*1			
Envelopes	0.47 in. (12 mm)	0.94 in. (24 mm)	0.12 in. (3 mm)	0.12 in. (3 mm)

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

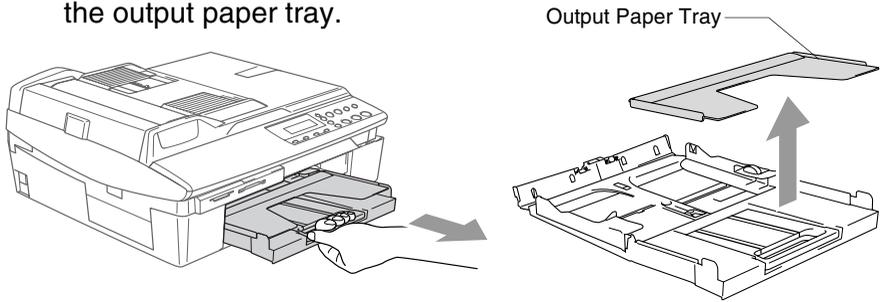


- Printable area depends on the Printer driver settings.
- The figures above are approximate and the printable area may vary depending on the type of cut sheet paper you are using.

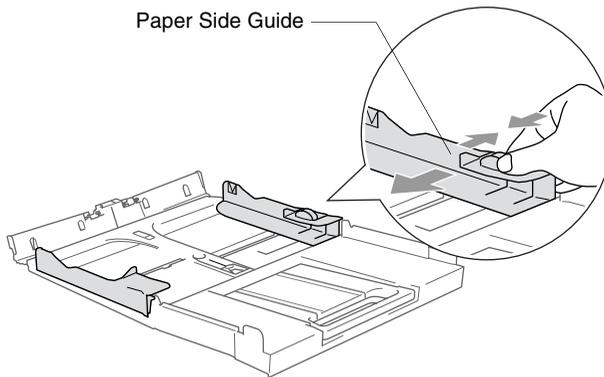
# How to load paper, envelopes and post cards

## To load paper or other media

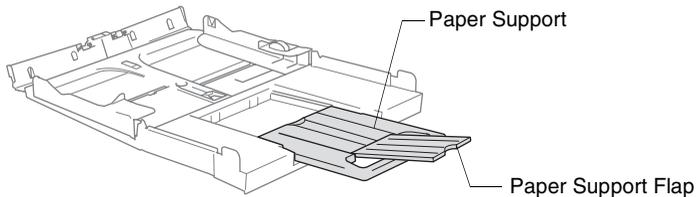
- 1 Pull the paper tray completely out of the machine and remove the output paper tray.



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

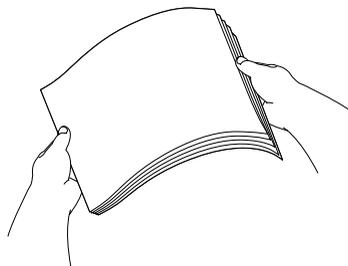


- 3 Pull out the paper support and unfold the paper support flap.



 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.

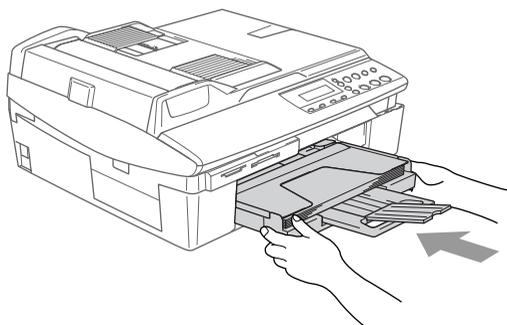
Check that the paper is flat in the tray and below the maximum paper mark.



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

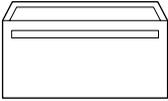
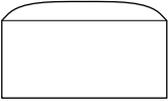
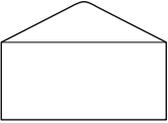
- Be careful that you do not push the paper in too far; it may lift at the back of the tray and cause feed problems.

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



## To load envelopes

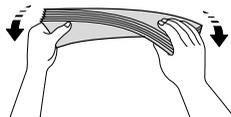
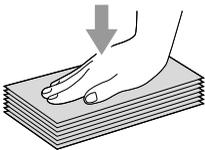
- Use envelopes that weigh from 20 - 25 lb (75 - 90 g/m<sup>2</sup>).
- Some envelopes require margin settings in the application. Make sure you do a test print first.
- ⊘ To prevent possible damage to the feeding mechanism, do not use the types of envelopes shown below.

<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
			

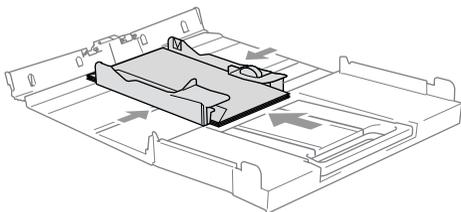
### ***How to load envelopes***

- 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.

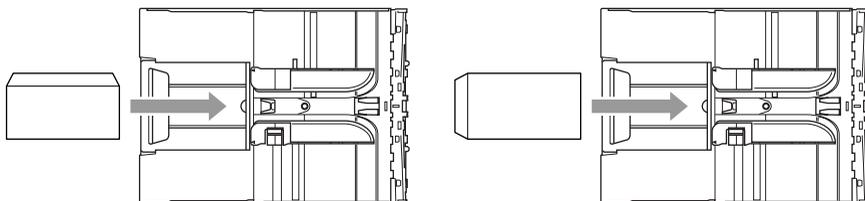


- 2 Insert the envelopes into the paper tray with the address side down and the leading edge (top of the envelopes) in first. Slide the paper side guide to fit the width of the envelopes.



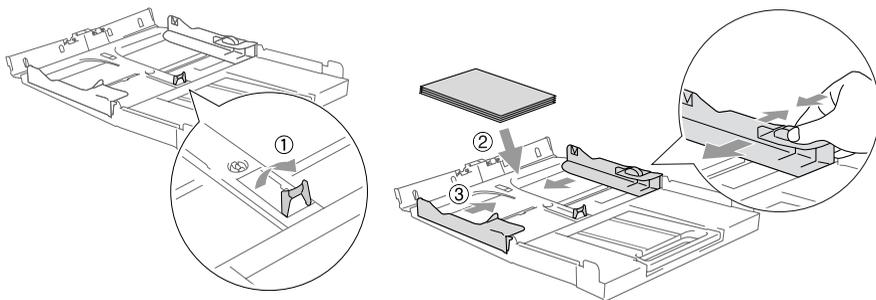
***If you have problems when printing on envelopes, try the following suggestions:***

- 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 machine as a copier

You can use your machine 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 appears (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**.



To sort the copies, press the **Copy Options** key. (See *Using the Copy Options key* on page 2-6).

### Stop copying

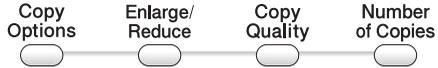
---

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

# Using the Copy keys

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

## Temporary Copy keys



These settings are temporary, the machine 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> 	Normal	Recommended mode for ordinary printouts. Good copy quality with adequate copy speed.
	Fast	Fast copy speed and lowest ink consumption. Use FAST to save time (document to be proof-read, large documents or many copies).
	Best	Use this mode to copy precise images such as photographs. BEST 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>  <b>Enlarge/ Reduce</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% LGL→A4
	78% LGL→LTR
	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>  	<b>Menu Selections</b>   →  →  Select & Set	<b>Options</b>   →  →  Select & Set	<b>Factory Setting</b>	<b>Page</b>
	Paper Type	Plain/ Inkjet/ Glossy/ Transprncy	Plain	2-7
	Paper Size	Letter/ Legal/ A4/ A5/ 4" (W) x 6" (H)	Letter	2-7
	Brightness	- ■■■■ +	- ■■■■ +	2-8
	Stack/Sort	Stack/Sort	Stack	2-8
	Page Layout	Off (1 in 1)/ 2 in 1 (P)/ 2 in 1 (L)/ 4 in 1 (P)/ 4 in 1 (L)/ Poster (3 x 3)	Off (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 Transprncy).  
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 size, 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.

## Sorting copies using the ADF

You can sort multiple copies. Pages will be stacked in the order 321, 321, 321, and so on.

- 1 Load your document.
- 2 Press **Copy Options** and  or  to select **Stack/Sort**.

Press **Set**.

- 3 Press  or  to select **Sort**.

Press **Set**.

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

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

---

You can reduce the number of pages for 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 machine divides your document into sections, then enlarges the sections so you can assemble them into a poster. If you want to print a poster, use the scanner glass.



- 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). Press **Set**.
- 4 Press **Black Start** to scan the document. You can also press **Color Start** if you are using the Poster layout.
- 5 If you are making a poster or placed the document in the ADF, the machine scans the page and starts printing.

*If you are using the scanner glass:*

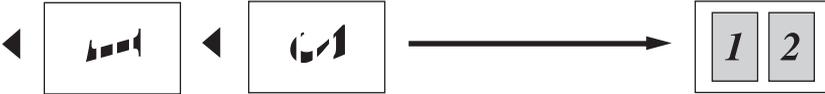
- 6 After the machine scans the page, the LCD shows:  
Press  to scan the next page.
- 7 Put the next document on the scanner glass.   
Press **Set**.
- 8 Repeat Steps 6 and 7 for each page of the layout.
- 9 After all the pages of the document have been scanned, press  to end.

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

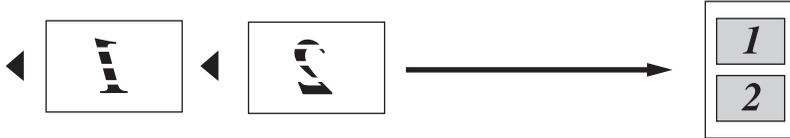
-  ■ N in 1 color copies are not available.
- For Poster copies, you cannot make more than one copy.

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

**2 in 1 (P)**



**2 in 1 (L)**



**4 in 1 (P)**

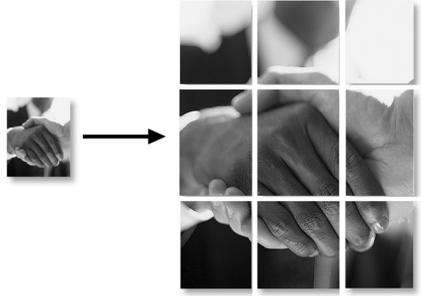


**4 in 1 (L)**



### 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 machine 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 Transprncy.  
Press **Set**.
- 5 Press **Stop/Exit**.



The machine 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 machine, you will need to change the setting for Paper Size at the same time so your machine 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"x 6".  
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

---

Color saturation can only be changed through the default setting.

**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

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



CompactFlash®  
(Type I only)



SmartMedia®



Memory Stick®  
Memory Stick Pro™



SecureDigital™  
MultiMediaCard™



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.
- Memory Stick Pro Duo™ can be used with Memory Stick Pro Duo™ adapter.
- Adapters are not included with the machine. 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 machine.
- The machine 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.
- xD-Picture Card™ Type M (Large Capacity) is 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.

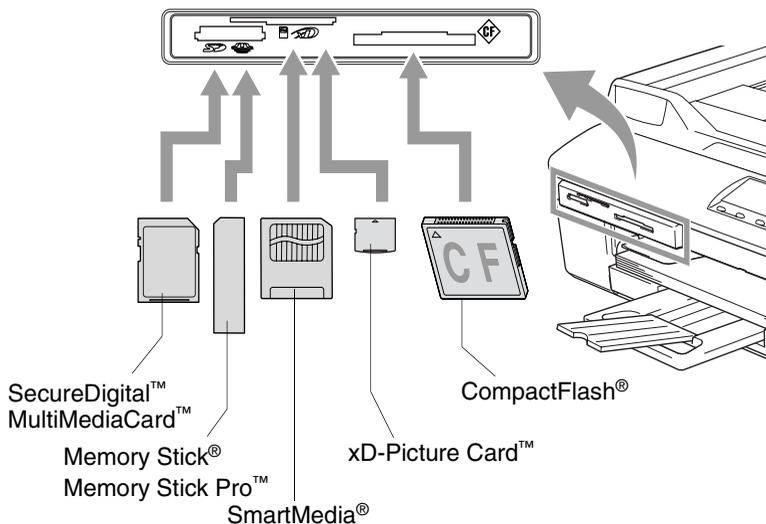


Your machine is designed to read media cards that have been formatted by a digital camera.

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 machine 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 machine is reading or writing to the card (the **PhotoCapture** key is blinking). **You will lose your data or damage the card.**

The machine 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 machine 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 

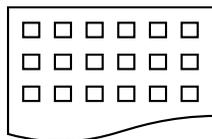
Press **Set**.

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.

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

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

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

**3** Press  or  to select  
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.

**4** 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).

**5** After you have selected all the image numbers, press **Set** again,  
and go to Step 6.

—OR—

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

## Paper Type & Paper Size

- 6** 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 7.

If you selected another size, go to Step 8.

—OR—

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

## Print Size

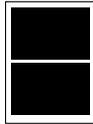
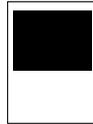
- 7** If you selected A4 or Letter, press  or  to select the print size (4"x 3", 5"x 3.5", 6"x 4", 7"x 5", 8"x 6" or Max. Size).

Press **Set**, and go to Step 8.

—OR—

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

Printed Position for Letter paper

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

## Number of Copies

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

Press **Set**.



Press  to decrease the number of copies.

- 9** 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<sup>®</sup>, SmartMedia<sup>®</sup>, Memory Stick<sup>®</sup>, Memory Stick Pro<sup>™</sup>, SecureDigital<sup>™</sup>, MultiMediaCard<sup>™</sup> and xD-Picture Card<sup>™</sup>) containing DPOF information is put into your machine, 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**.

- 6 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**.

If you selected Letter or A4, 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**.

- 7 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 1.White Balance, 2.Sharpness or 3.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

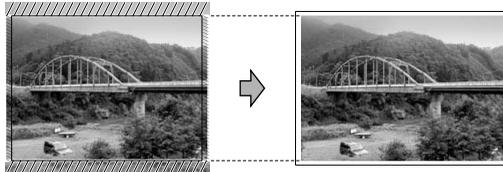
---

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.

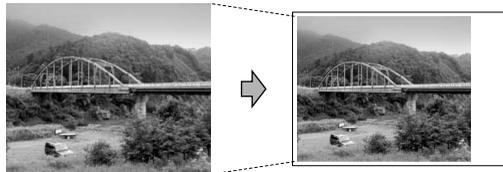
The default setting is *On*. If you want to print the whole image, turn this setting to *Off*.

- 1 Press **Menu**.
- 2 Press  $\blacktriangle$  or  $\blacktriangledown$  to select 2. *PhotoCapture*.  
Press **Set**.
- 3 Press  $\blacktriangle$  or  $\blacktriangledown$  to select 6. *Cropping*.  
Press **Set**.
- 4 Press  $\blacktriangle$  or  $\blacktriangledown$  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 that you set in the Menu table using the control panel keys. (For details, see Setting the Date and Time in the Quick Setup Guide.) For example, the fifth image scanned on July 1, 2005 would be named 07010505.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 black & white file format* on page 3-15 and *Changing the default color file format* on page 3-15.)

- 1 Insert a SmartMedia<sup>®</sup>, CompactFlash<sup>®</sup>, Memory Stick<sup>®</sup>, Memory Stick Pro<sup>™</sup>, SecureDigital<sup>™</sup>, MultiMediaCard<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** start scanning.

## Changing the default quality

---

- 1 Press **Menu**.
- 2 Press  or  to select `2.PhotoCapture`.  
Press **Set**.
- 3 Press  or  to select `8.Scan to Card`.  
Press **Set**.
- 4 Press  or  to select `1.Quality`.  
Press **Set**.
- 5 Press  or  to select `B/W 200x100 dpi`, `B/W 200 dpi`, `Color 150 dpi`, `Color 300 dpi` or `Color 600 dpi`.  
Press **Set**.
- 6 Press **Stop/Exit**.

## Changing the default black & white file format

---

- 1 Press **Menu**.
- 2 Press  or  to select 2.PhotoCapture.  
Press **Set**.
- 3 Press  or  to select 8.Scan to Card.  
Press **Set**.
- 4 Press  or  to select 2.B/W File Type.  
Press **Set**.
- 5 Press  or  to select TIFF or PDF.  
Press **Set**.
- 6 Press **Stop/Exit**.

## Changing the default color file format

---

- 1 Press **Menu**.
- 2 Press  or  to select 2.PhotoCapture.  
Press **Set**.
- 3 Press  or  to select 8.Scan to Card.  
Press **Set**.
- 4 Press  or  to select 3.ColorFile Type.  
Press **Set**.
- 5 Press  or  to select PDF or JPEG.  
Press **Set**.
- 6 Press **Stop/Exit**.

# 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 machine 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 machine's memory.

## Using PhotoCapture Center™ from your PC

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

(For Windows® users, see *PhotoCapture Center™* on page 7-1 in the Software User's Guide on the CD-ROM and for Macintosh® users, see *PhotoCapture Center™* on page 12-2 in the Software User's Guide on the CD-ROM.)

# 4 Software features

The User's Guide on the CD-ROM includes the Software User's Guide for features available when connected to a computer (for example, Printing and Scanning).

## ■ Printing

(For Windows<sup>®</sup>, see Chapter 1 in the Software User's Guide on the CD-ROM.)

(For Macintosh<sup>®</sup>, see Chapter 8 in the Software User's Guide on the CD-ROM.)

## ■ Scanning

(For Windows<sup>®</sup>, see Chapter 2 in the Software User's Guide on the CD-ROM.)

(For Macintosh<sup>®</sup>, see Chapter 9 in the Software User's Guide on the CD-ROM.)

## ■ ControlCenter2

(For Windows<sup>®</sup>, see Chapter 3 in the Software User's Guide on the CD-ROM.)

(For Macintosh<sup>®</sup>, see Chapter 10 in the Software User's Guide on the CD-ROM.)

## ■ PhotoCapture Center™

(For Windows<sup>®</sup>, see Chapter 7 in the Software User's Guide on the CD-ROM.)

(For Macintosh<sup>®</sup>, see Chapter 12 in the Software User's Guide on the CD-ROM.)



*See How to access the complete User's Guide on page x.*

# 5 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-120C

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 machine has been certified to comply with FCC standards, which are applied to the USA only.
- 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)**

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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.

## **International ENERGY STAR® Compliance Statement**

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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 machine.
- 9** Do not allow anything to rest on the power cord. Do not place this product where people can walk on the cord.
- 10** 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).
- 11** Do not place anything in front of the machine that will block printing. Do not place anything in the path of printing.
- 12** Wait until pages have exited the machine before picking them up.
- 13** 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.)

**14** 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.

**15** To protect your product against power surges, we recommend the use of a power protection device (Surge Protector).

## Trademarks

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

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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.

Memory Stick Pro, Memory Stick Pro Duo, MultiMediaCard is a trademark of Infineon Technologies and licensed to the MultiMediaCard Association.

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

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**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.**

## 6

# Troubleshooting and routine maintenance

## Troubleshooting

### Error messages

As with any sophisticated office product, errors may occur. If this happens, your machine 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 machine's memory.	Re-start printing from your computer.
	Print data remains in the machine's memory. The USB cable was unplugged while the computer was sending the data to the machine.	Press <b>Stop/Exit</b> . The machine will cancel the job and eject the page that is being printed.
Document Jam	The document was not inserted or fed properly, or the document fed from the ADF was too long.	See <i>Using the ADF (automatic document feeder)</i> on page 1-5.
	The document is jammed in the machine.	See <i>Document jams</i> on page 6-3.
High Temperature	The print head is too warm.	Allow the machine to cool down.
Ink Empty	One or more of the ink cartridges is empty. The machine will stop all print operations.	Replace the ink cartridges. (See <i>Replacing the ink cartridges</i> on page 6-22.)
Low Temperature	The print head is too cold.	Allow the machine 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. (See <i>Replacing the ink cartridges</i> on page 6-22.)
No File	The media card in the media drive does not contain a .JPG file.	Reinsert the correct media card.
No Paper Fed	The machine is out of paper.	Add paper, and then press <b>Black Start</b> or <b>Color Start</b> .
	The paper is jammed in the machine.	See <i>Printer jam or paper jam</i> on page 6-4.
Out of Memory	The machine's memory is full.	(Copy operation in process) 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 machine.	See <i>Printer jam or paper jam</i> on page 6-4.
Unable to Change Unable to Clean Unable to Init. Unable to Print Unable to Scan	The machine has a mechanical problem. —OR— A foreign obstacle such as a clip or ripped paper is in the machine.	Open the scanner cover and remove any foreign obstacles inside the machine. If the error message continues, disconnect the machine from the power source for several minutes then reconnect it.

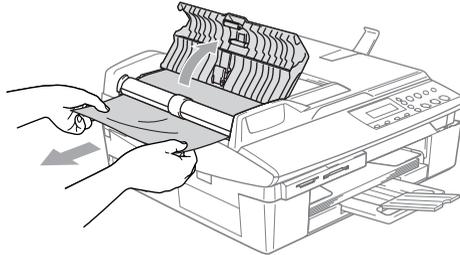
## Document jams

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If the document is jammed, follow the steps below.

### Document is jammed in the top of the ADF unit.

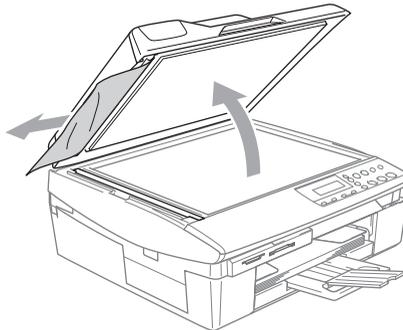
- 1 Take out any paper from the ADF that is not jammed.
- 2 Open the ADF cover.
- 3 Pull the jammed document out to the right or left.



- 4 Close the ADF cover.  
Press **Stop/Exit**.

### Document is jammed inside the ADF unit.

- 1 Take out any paper from the ADF that is not jammed.
- 2 Lift the document cover.
- 3 Pull the jammed document out to the left.



- 4 Close the document cover.  
Press **Stop/Exit**.

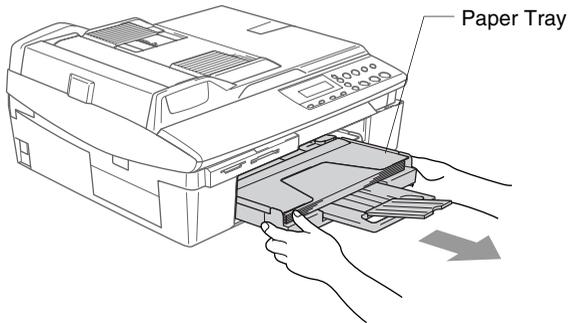
## Printer jam or paper jam

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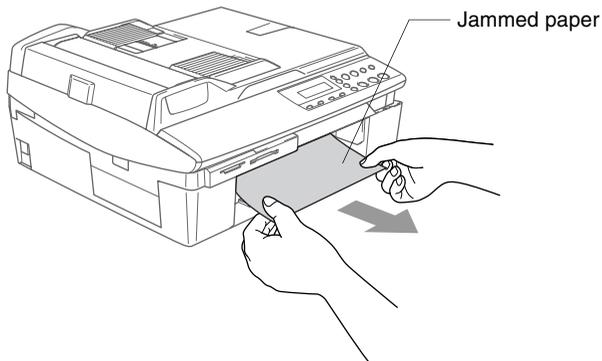
Remove the jammed paper depending on where it is jammed in the machine.

### Paper is jammed inside the paper tray

- 1 Pull the paper tray out of the machine.

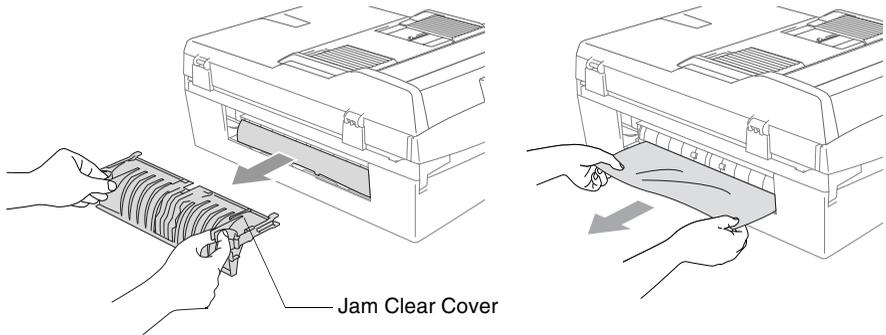


- 2 Pull out the jammed paper to remove it.

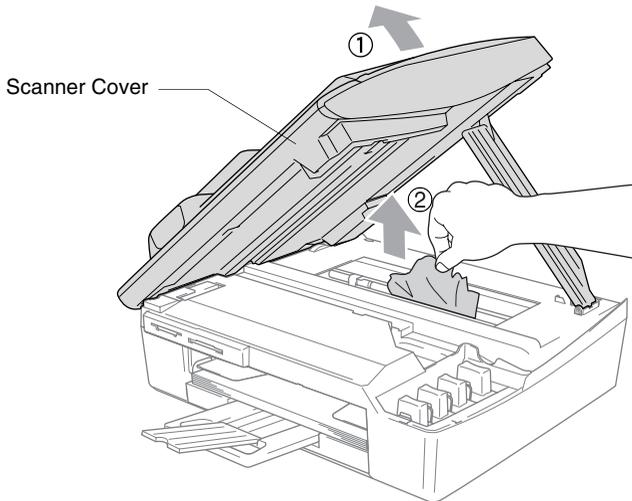


## Paper is jammed inside the machine

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

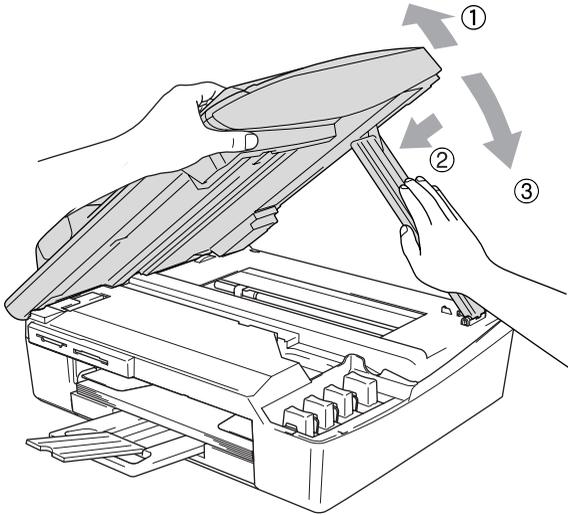


- 2 Re-insert the Jam Clear Cover.
- 3 If you can not pull out the jammed paper, lift the scanner cover from the right-hand side of the machine until it locks securely into the open position.
- 4 Remove the jammed paper.



-  If the paper is jammed underneath the print head, disconnect the machine 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 machine

If you think there is a problem with your machine, 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 machine and your computer.
	One or more ink cartridges are empty. (See <i>Replacing the ink cartridges</i> on page 6-22.)
	Check to see if the LCD is showing an error message. (See <i>Error messages</i> on page 6-1.)
Poor quality print.	Check the print quality. (See <i>Checking the print quality</i> on page 6-12.)
	Make sure the Printer Driver or Paper Type setting in the menu matches the type of paper you are using. (For Windows® users, see <i>Media Type</i> on page 1-5 or for Macintosh® users, see <i>Media Type</i> on page 8-3 in the Software User's Guide on the CD-ROM.)
	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 1-8.)
	The recommended environment for your machine 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 6-11.)
	Try using the recommended types of paper. (See <i>About paper</i> on page 1-8.)
	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'. 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 machine prints blank pages.	Clean the print head. (See <i>Cleaning the print head</i> on page 6-11.)
Characters and lines are stacked.	Check the printing alignment. (See <i>Checking the printing alignment</i> on page 6-14.)
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 1-13.)

<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 1-8.)
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 1-8.) 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 machine printer platen</i> on page 6-20.)
	Make sure you are using the paper support flap. (See <i>How to load paper, envelopes and post cards</i> on page 1-13.)
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 3-13.)
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.
The machine 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 1-13.)
	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 1-13.)
The machine does not print from Paint Brush.	Try setting the Display setting to '256 colors.'
The machine does not print from Adobe Illustrator.	Try to reduce the print resolution.
<b>Copying Difficulties</b>	
Poor copy results when using the ADF.	Try using the scanner glass. (See <i>Using the scanner glass</i> on page 1-7.)
Vertical streaks appear in copies.	Sometimes you may see vertical streaks on copies. Clean the scanner. (See <i>Cleaning the scanner</i> on page 6-19.)
<b>Scanning Difficulties</b>	
Poor scanning results when using the ADF.	Try using the scanner glass. (See <i>Using the scanner glass</i> on page 1-7.)
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 machine 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? 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. Wait a while and then try again.</p> <p>e) If all of the above do not work, please turn off your PC and machine, and then turn them on again. (You will have to unplug the power cord of the machine 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 6-10.

## 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**.

## Setting the Beeper Volume

---

You can change the beeper volume. The default (factory) setting is **Low**. When the beeper is on, the machine will beep when you press a key or make a mistake.

- 1 Press **Menu**.
- 2 Press  or  to select 0.Initial Setup.  
Press **Set**.
- 3 Press  or  to select 3.Volume.  
Press **Set**.
- 4 Press  or  to select your option.  
(Low, Med, High or Off)  
Press **Set**.
- 5 Press **Stop/Exit**.

# How to improve print quality

## Cleaning the print head

---

To ensure good print quality, the machine 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 machine will clean the print head. When cleaning is finished, the machine 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  or  to select **Test Print**.  
Press **Set**.
- 3 Press  or  to select **Print Quality**.  
Press **Set**.
- 4 Press **Color Start**.  
The machine 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

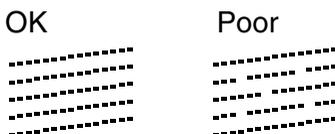
The LCD shows:



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

—OR—

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

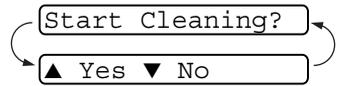


The LCD will ask you if the print quality is OK for black and three colors.



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

The LCD shows:



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

- 9 After cleaning is finished, press **Color Start**. The machine 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 machine 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  or  to select **Test Print**.  
Press **Set**.

3 Press  or  to select **Alignment**.  
Press **Set**.

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

The machine 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  (**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  (**No**) to select it.

6 For 600 dpi, press  or  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  or  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**.



You can check the ink volume from your computer. (For Windows® users, see *Status Monitor* on page 1-3 in Software User's Guide on the CD-ROM and for Macintosh® users, see *Status Monitor* on page 8-2 in Software User's Guide on the CD-ROM.)

# Packing and shipping the machine

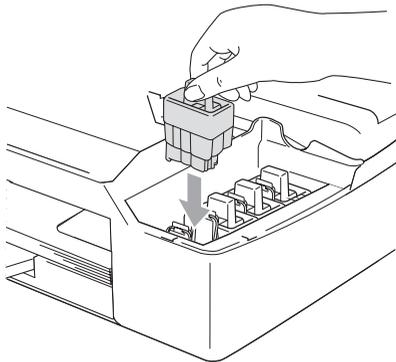
Whenever you transport the machine, use the packing materials that came with your machine. If you do not pack the machine properly, you could void your warranty.

## Caution

It is important to allow the machine to ‘park’ the print head after a print job. Listen carefully to the machine before disconnecting it from the power source to ensure that all mechanical noise has stopped. Not allowing the machine 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 machine 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 6-22.)

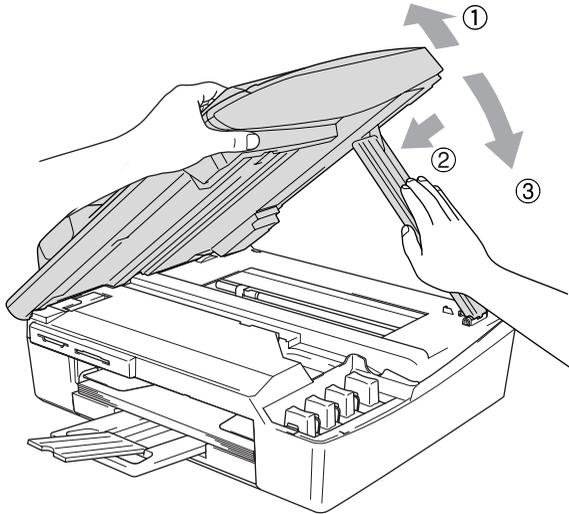
When attaching the protective parts, make sure they clip into place as shown in the diagram.



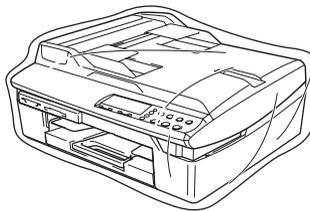
## Caution

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

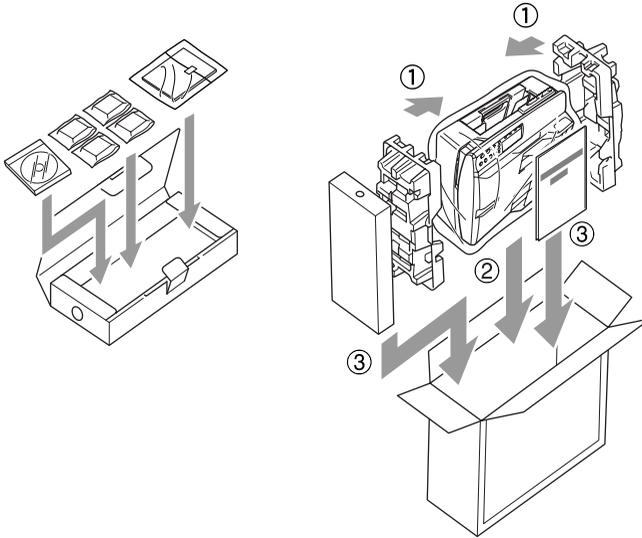
- 3** Lift the scanner cover to release the lock. Gently push the scanner cover support down and close the scanner cover.



- 4** Unplug the machine from the AC power outlet.
- 5** Unplug the USB cable from the machine, if it is connected.
- 6** Wrap the machine 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.



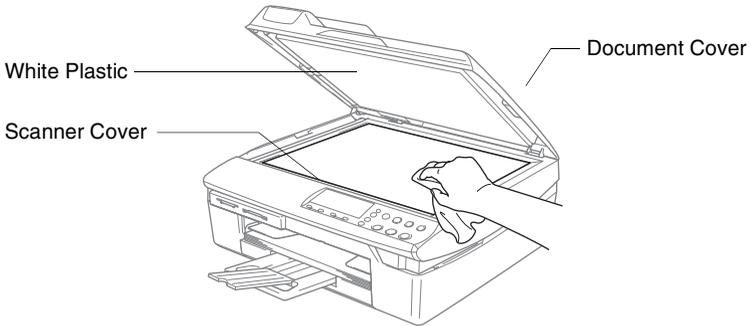
- 8** Close the carton.

# Routine maintenance

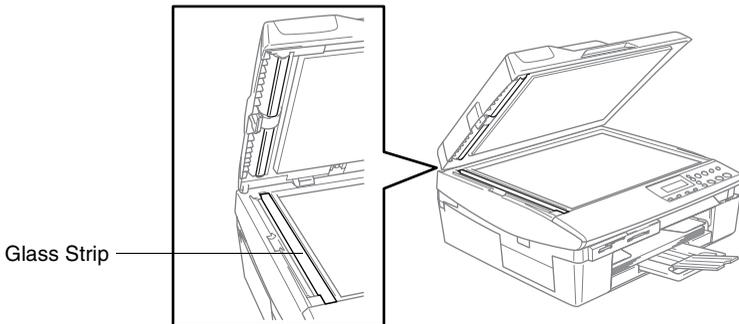
## Cleaning the scanner

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



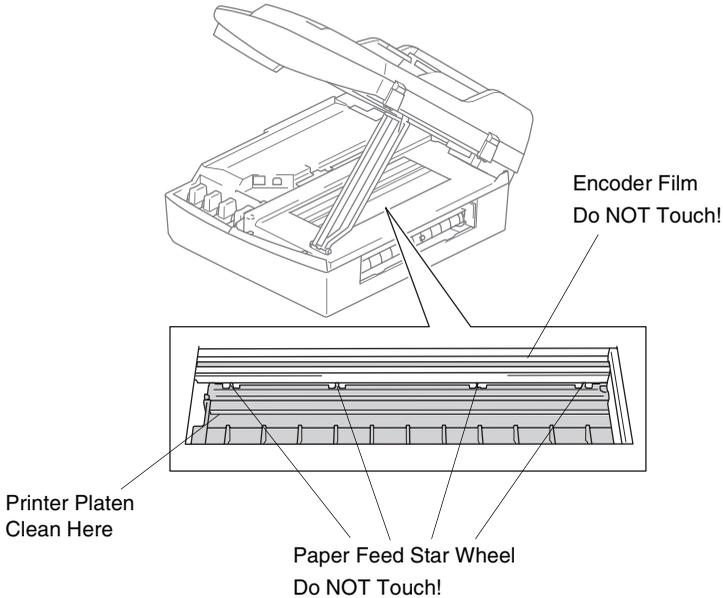
Clean the glass strip with isopropyl alcohol on a lint-free cloth.



## Cleaning the machine printer platen

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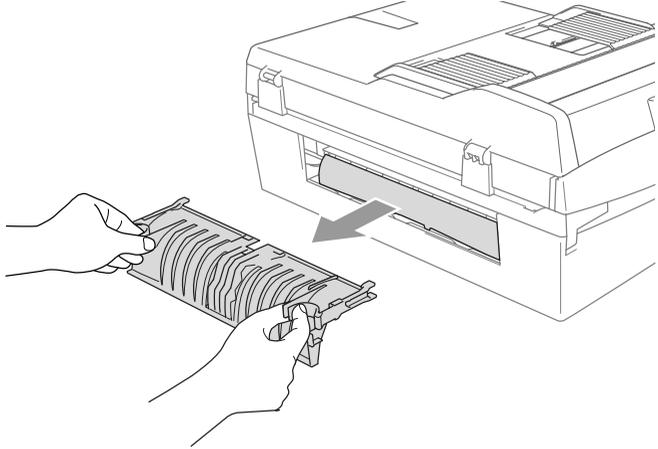
- Be careful not to touch the paper feed star wheels or encoder film.
- Be sure to unplug the machine from the AC power outlet before cleaning the printer platen.
- If ink is scattered on or around the printer platen be sure to wipe it off with a soft, dry, lint-free cloth.



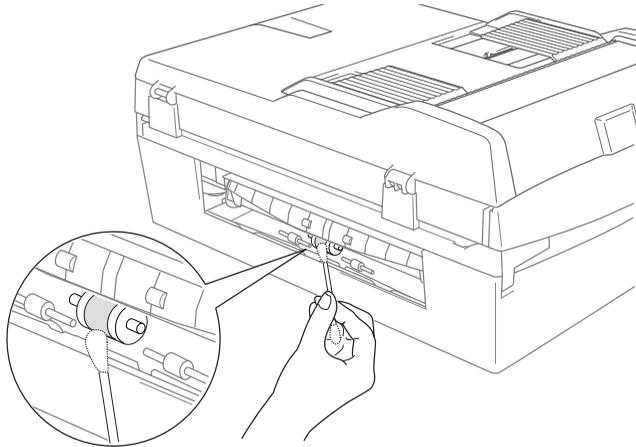
## Cleaning the Paper Pick-up Roller

---

- 1 Unplug the machine and remove the Jam Clear Cover.



- 2 Clean the Paper Pick-up Roller with isopropyl alcohol on a Q-tip (cotton swab).



- 3 Re-insert the Jam Clear Cover.

# Replacing the ink cartridges

---

Your machine 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 machine detects an ink cartridge is running out of ink, the machine will notify you with a message on the LCD.

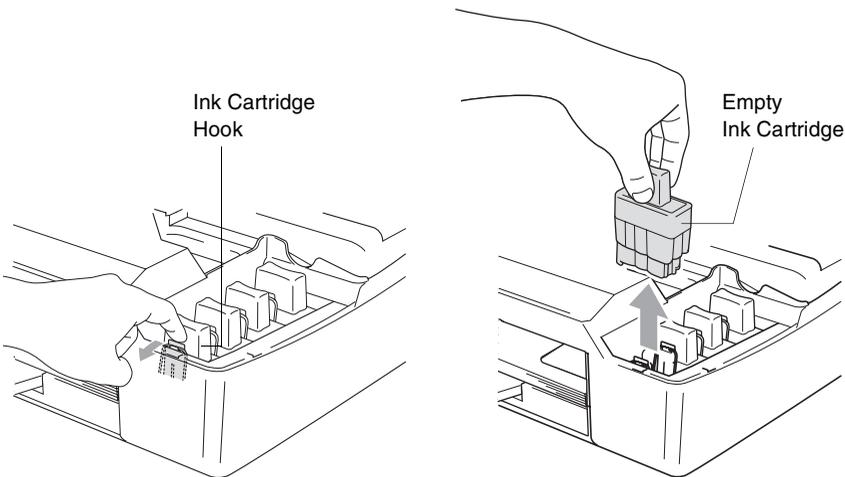
The LCD will inform you which ink cartridge is low or needs replacing. Be sure to follow the LCD prompts to replace the ink cartridges in the correct order.

Even though the machine 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 machine until it locks securely into the open position.

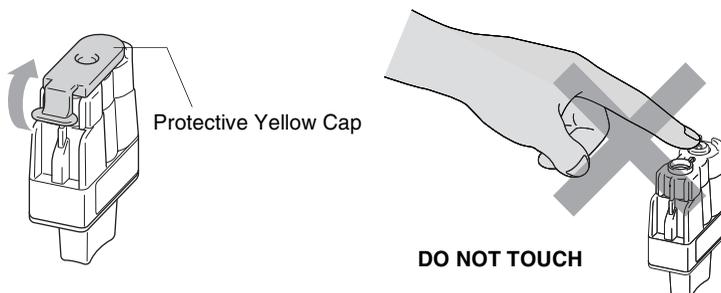
If one or more ink cartridges are empty, for example Black, the LCD shows *Ink Empty Black* and *Replace Ink*.

- 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.

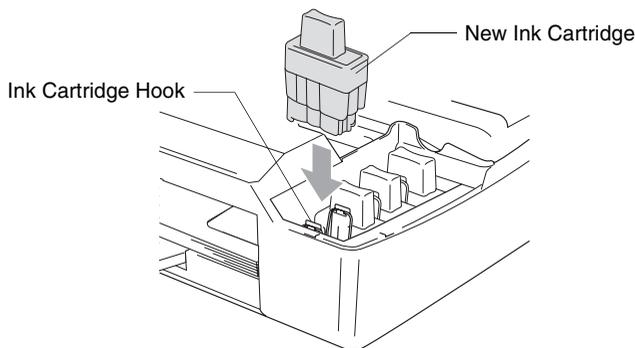
#### 4 Remove the protective yellow caps.



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

 If the protective yellow cap 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 firmly 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 machine 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 machine 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 machine 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 machine. 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 machine may cause damage to the machine 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 machine 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 machine 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 machine. 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 machine 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 machine'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 machine. |
| 2.User Settings | Lists your settings.   |

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

**2** Press  or  to select **Print Reports**.

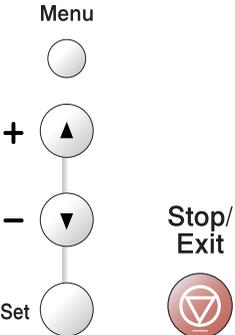
Press **Set**.

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

Press **Set**.

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

# Menu keys

		Access the menu
		Scroll through the current menu level
		Accept an option 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 .

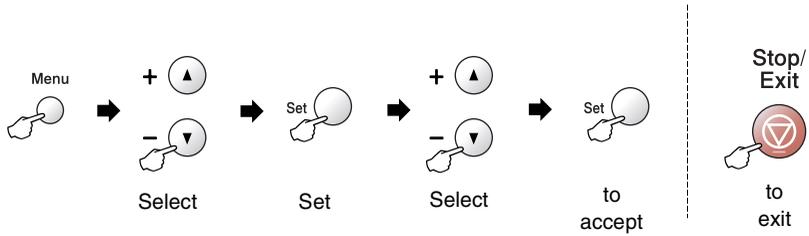
Select an option by pressing **Set** when that option appears on the LCD.

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



The factory settings are shown in Bold.

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



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page	
2.PhotoCapture (Continued)	5.True2Life	True2Life:On True2Life:Off	1.White Balance - 0000 ■ + - 000 ■ 0 + - 00 ■ 00 + - 0 ■ 000 + - ■ 0000 +	Adjusts the hue of the white areas.	3-11	
			2.Sharpness - 0000 ■ + - 000 ■ 0 + - 00 ■ 00 + - 0 ■ 000 + - ■ 0000 +	Enhances the detail of the image.		
			3.Color Density - 0000 ■ + - 000 ■ 0 + - 00 ■ 00 + - 0 ■ 000 + - ■ 0000 +	Adjusts the total amount of color in the image.		
	6.Cropping	—	On 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.	3-12	
7.Borderless	—	On Off	Expands the printable area to the edges of the paper.	3-13		
8.Scan to Card	1.Quality	B/W 200x100 dpi B/W 200 dpi Color 150 dpi Color 300 dpi Color 600 dpi	—	Selects the Scan resolution for your type of document.	3-13	
			2.B/W File Type	TIFF PDF		Selects the default file format for black and white scanning.
			3.ColorFile Type	PDF 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.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
0.Initial Setup	1.Date/Time	—	—	Puts the date and time in your machine.	See Quick Setup Guide
	2.LCD Contrast	—	Light <b>Dark</b>	Adjusts the contrast of the LCD.	6-10
	3.Volume	—	High Med <b>Low</b> Off	Adjusts the volume level of the beeper.	6-10
	0.Local Language	—	<b>English</b> French	Allows you to change the LCD Language for your country.	See Quick Setup Guide



The factory settings are shown in Bold.

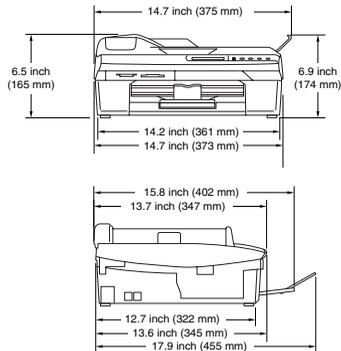
# S Specifications

## Product description

### General

<b>Memory Capacity</b>	8 MB
<b>Automatic Document Feeder (ADF)</b>	Up to 10 pages
<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 Standby: Average 8 w Operating: Average 20 w

### Dimensions



<b>Weight</b>	13.2 lb (6.0 kg)
<b>Noise</b>	Operating: 42.5 to 51 dB* * It depends on printing conditions
<b>Temperature</b>	Operating: 50°F -95°F (10 - 35°C) Best Print Quality: 68°F -91°F (20 - 33°C)
<b>Humidity</b>	Operating: 20 to 80% (without condensation) 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.<sup>4</sup>  
For more details, see *Paper type and size for each operation* on page 1-10.
- 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.
- <sup>4</sup> See *Paper type and size for each operation* on page 1-10.

# Copy

## Color/Black

## Color/Black

## Copy Speed

## Black

Up to 17 pages/minute (Letter paper)<sup>1</sup>

## Color

Up to 11 pages/minute (Letter paper)<sup>1</sup>

- <sup>1</sup> 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

Stack up to 99 pages

Sorts up to 99 pages

## Enlarge/Reduce

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

## Resolution

Plain, inkjet or glossy paper:

Scans up to 600 x 600 dpi

Prints up to 1200 x 1200 dpi (Black & White)

Prints up to 600 x 1200 dpi (Color)

OHP/transparency:

Scans up to 600 x 600 dpi

Prints up to 1200 x 1200 dpi

## Document Size

ADF Width : 5.8" to 8.5" (147 mm to 216 mm)

ADF Height : 5.8" to 14" (147 mm to 356 mm)

Scanner Glass Width: Max. 8.5" (Max. 216 mm)

Scanner Glass Height: Max. 11.7" (Max. 297 mm)

## Scanning Width

8.26 in. (210 mm)

# 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®  
Memory Stick Pro™  
(Not available for music data with MagicGate™)  
SecureDigital™  
MultiMediaCard™  
xD-Picture Card™<sup>1</sup>  
<sup>1</sup> xD-Picture Card™ Type M support.

## File Extension

(Media Format)  
(Image Format)

DPOF, EXIF, DCF  
Photo Print: JPEG<sup>2</sup>  
Scan to Card: JPEG, PDF (Color)  
TIFF, PDF (Black)

<sup>2</sup> 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<sup>3</sup>

<sup>3</sup> See *Paper type and size for each operation* on page 1-10.

# Scanner

<b>Color/Monochrome</b>	Yes/Yes
<b>TWAIN Compliant</b>	Yes (Windows® 98/98SE/Me/2000 Professional/XP) Mac OS® 9.1 - 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) 24 bit color processing (Output)
<b>Resolution</b>	Up to 19200 × 19200 dpi (interpolated) Up to 600 × 2400 dpi (optical)
<b>Scanning Speed</b>	Color: up to 5.58 sec. Black: up to 3.54 sec. (Letter size in 100 × 100 dpi)
<b>Document Size</b>	ADF Width : 5.8" to 8.5" (147 mm to 216 mm) ADF Height : 5.8" to 14" (147 mm to 356 mm) Scanner Glass Width: Max. 8.5" (216 mm) Scanner Glass Height: Max. 11.7" (297 mm)
<b>Scanning Width</b>	8.26 in. (210 mm)
<b>Gray Scale</b>	256 levels

# Printer

<b>Printer Driver</b>	Windows® 98/98SE/Me/2000 Professional and XP driver supporting Brother Native Compression mode and bi-directional capability Brother Ink Driver For Mac OS® 9.1-9.2/Mac OS® X 10.2.4 or greater
<b>Resolution</b>	Up to 1200 x 6000 dots per inch (dpi) <sup>1</sup> 1200 x 1200 dots per inch (dpi) 600 x 600 dots per inch (dpi) 600 x 150 dots per inch (dpi)
	<sup>1</sup> Output image quality varies based upon many factors including but not limited to input image resolution and quality and print media.
<b>Print Speed</b>	up to 20 pages/minute (Black) <sup>2</sup> up to 15 pages/minute (Color) <sup>2</sup>
	<sup>2</sup> Based on Brother standard pattern. Letter size in draft mode. Does not include the time it takes to feed the paper.
<b>Printing Width</b>	8.03 in. (8.5 in.) <sup>3</sup> / 204 mm (216 mm) <sup>3</sup>
	<sup>3</sup> When you set the Borderless feature to On.
<b>Disk-Based Fonts</b>	35 TrueType
<b>Borderless</b>	Letter, A4, A6, Photo Card, Index Card, Post Card, Envelop <sup>4</sup>
	<sup>4</sup> See <i>Paper type and size for each operation</i> on page 1-10.

# Interfaces

<b>USB</b>	A USB 2.0 cable that is no longer than 2.0 m. <sup>1</sup>
	<sup>1</sup> Your machine 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 machine can also be connected to a computer that has a USB 1.1 interface.

# Computer requirements

Minimum System Requirements and Supported PC Software Functions							
Computer Platform & Operating System Version	Supported PC Software Functions	PC Interface	Minimum Processor	Minimum RAM	Recommended RAM	Available Hard Disk Space	
						for Drivers	for Applications
Windows® Operating Systems¹	98, 98SE	Printing, Scanning, Removable Disk	Athlon® 64, Opteron™ Xeon® & Pentium® 4 including Intel EM64T	256MB	512MB	150MB	220MB
	Me						
	2000 Professional						
	XP Home XP Professional						
	XP Professional x64 Edition Download from <a href="http://solutions.brother.com">http://solutions.brother.com</a>						
Macintosh® Operating Systems	OS 9.1-9.2	Printing, Scanning¹, Removable Disk	All base models meet minimum requirements.		64MB	80MB	200MB
	OS X 10.2.4 or greater		128MB	160MB			

¹ Dedicated Scan to key not available for Mac OS® 9.1-9.2.

For the latest driver updates, access the Brother Solutions Center at <http://solutions.brother.com>

# Consumable items

## Ink

The machine 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 machine 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).

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

### **NOTICE**

This product meets the applicable Industry Canada technical specifications.

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**<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