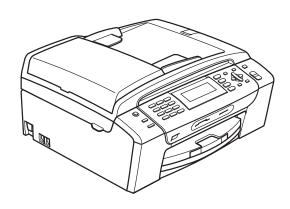


## **USER'S GUIDE**



### MFC-490CW

Version 0

CHN-ENG

### **Approval Information and Compilation and Publication Notice**

THIS EQUIPMENT IS DESIGNED TO WORK WITH A TWO WIRE ANALOGUE PSTN LINE FITTED WITH THE APPROPRIATE CONNECTOR.

### APPROVAL INFORMATION

Brother advises that this product may not function correctly in a country other than where it was originally purchased, and does not offer any warranty in the event that this product is used on public telecommunication lines in another country.

### **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.

### **Use only GENUINE brother supplies**

Brother multifunction machines are designed to work ink of a particular specification and work to a level of optimum performance when used with genuine Brother ink cartridges. Brother cannot guarantee this optimum performance if ink or ink cartridges of other specifications are used. Brother does not therefore recommend the use of cartridges other than genuine Brother cartridges with this machine or the refilling of empty cartridges with ink from other sources. If damage is caused to the print head or other parts of this machine as a result of the use of ink or ink cartridges other than genuine Brother products due to the incompatibility or lack of suitability of those products with this machine, any repairs required as a result will not be covered by the warranty.

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### **Table of Contents**

### **Section I General**

1	General Information	2
	Using the documentation	2
	Symbols and conventions used in the documentation	
	Accessing the Software User's Guide and Network User's Guide	
	Viewing Documentation	
	Accessing Brother Support (For Windows®)	5
	Control panel overview	
	LCD screen indications	
	Basic Operations	
2	Loading paper and documents	9
	Loading paper and documents	3
	Loading paper and other print media	9
	Loading envelopes and postcards	11
	Loading photo paper	13
	Removing small printouts from the machine	14
	Printable area	
	Acceptable paper and other print media	15
	Recommended print media	15
	Handling and using print media	15
	Choosing the right print media	17
	Loading documents	19
	Using the ADF	19
	Using the scanner glass	
	Scannable area	20
3	General setup	21
	David Care and de	
	Power Save mode	
	Putting your machine in Power Save mode	
	Bringing your machine out of Power Save mode	
	Power Save setting  Mode Timer	
	Paper Type	
	Paper Type Paper Size	
	•	
	Volume Settings	
	Ring Volume	
	Beeper Volume	
	Speaker Volume	
	Sleep Mode	
	LCD Contract	
	LCD Contrast	
	Setting the backlight brightness	
	Setting the Dim Timer for the backlight	∠5

	LCD LanguageSetting the Fax Logic	
	County the race Logic	20
4	Security features	27
	TX Lock	
	Setting and changing the TX Lock password	27
	Turning TX Lock on/off	28
Sec	tion II Fax	
5	Sending a Fax	30
	Entering Fax mode	30
	Faxing from the ADF	30
	Faxing from the scanner glass	31
	Faxing Letter size documents from the scanner glass	
	Color fax transmission	31
	Cancelling a fax in progress	31
	Broadcasting (Monochrome only)	
	Cancelling a Broadcast in progress	
	Additional sending operations	33
	Sending faxes using multiple settings	33
	Contrast	
	Changing fax resolution	
	Dual access (Monochrome only)	
	Real time transmission	
	Overseas Mode	
	Delayed Faxing (Monochrome only)	
	Delayed Batch Transmission (Monochrome only)	
	Checking and cancelling waiting jobs	
	Setting your changes as a new default	
	Restoring all settings to the factory settings	
	Sending a fax manually	
	Out of Memory message	
•	Basakida a Fasa	0.7
6	Receiving a Fax	37
	Receive modes	
	Choose the Receive Mode	
	Using receive modes	
	Fax only	
	Fax/Tel	
	Manual	
	External TAD	
	Receive mode settings	
	Ring Delay	
	F/T Ring Time (Fax/Tel mode only)	
	Fax Detect	40

Setting the Wallpaper ......25

	Memory Receive (Monochrome only)	
	Fax Forwarding	40
	Fax Storage	41
	PC Fax Receive	41
	Turning off Memory Receive Operations	42
	Changing Memory Receive Operations	
	Additional receiving operations	
	Printing a reduced incoming fax	
	Out of Paper Reception	
	Printing a fax from the memory	
	Remote Retrieval	
	Setting a Remote Access Code	
	Using your Remote Access Code	
	Remote Fax commands	
	Retrieving fax messages	
	Changing your Fax Forwarding number	
	Changing your rax rotwarding number	47
_		
7	Telephone and External devices	48
	Voice operations	18
	Tone or Pulse	
	Fax/Tel mode	
	Fax/Tel mode in Power Save condition	
	Telephone service	
	Caller ID (Caller IDentification) (not available in certain area)	
	, , ,	
	Advantages of Caller IDSetup Method	
	Caller ID feature	
	Connecting an external TAD (telephone answering device)	
	Connections	
	Recording outgoing message (OGM) on an external TAD	
	Multi-line connections (PBX)	
	External and extension telephones	
	Connecting an external or extension telephone	
	Operation from extention telephones	
	Using a cordless external telephone	
	Using remote codes	52
8	Dialling and storing numbers	54
	How to Dial	5.1
	Manual dialling	
	Speed Dialling	
	Search	
	Fax Redial	
	Outgoing Call history	
	Caller ID history	55

	Storing numbers	
	Storing a pause	56
	Storing Speed Dial numbers	56
	Changing Speed Dial names or numbers	58
	Setting up groups for broadcasting	58
	Combining Quick Dial numbers	
9	Printing Reports	61
	Fax reports	
	Transmission Verification Report	
	Fax Journal (activity report)	
	Reports	
	How to print a report	62
10	Polling	63
	Polling overview	63
	Polling receive	63
	Setup to receive polling	63
	Setup to receive polling with secure code	63
	Setup to receive delayed polling	64
	Sequential polling (Monochrome only)	64
	Polled transmit (Monochrome only)	65
	Setup for polled transmit	65
	Setup for polled transmit with secure code	65
<b>Sec</b>	tion III Copy	
• • •	Making conies	68
	Making copies	
	How to copy	
	How to copy Entering Copy mode	68
	How to copy Entering Copy mode Making a single copy	68 68
	How to copy Entering Copy mode Making a single copy Making multiple copies	
	How to copy Entering Copy mode Making a single copy Making multiple copies Stop copying	
	How to copy Entering Copy mode Making a single copy Making multiple copies Stop copying Copy settings	
	How to copy	
	How to copy  Entering Copy mode  Making a single copy  Making multiple copies  Stop copying  Copy settings  Changing copy speed and quality  Enlarging or reducing the image copied	
	How to copy	
	How to copy	68 68 68 68 69 70 70
	How to copy	68 68 68 69 70 72 72
	How to copy	
	How to copy	
	How to copy	
	How to copy  Entering Copy mode.  Making a single copy  Making multiple copies  Stop copying.  Copy settings  Changing copy speed and quality  Enlarging or reducing the image copied  Making N in 1 copies or a poster (Page Layout)  Sorting copies using the ADF  Adjusting Brightness and Contrast  Paper Options.  Book Copy  Watermark Copy  Setting your changes as a new default	68 68 68 68 69 70 70 72 72 73 73
	How to copy	68 68 68 69 70 72 72 73 73 74 75 75

### **Section IV Direct Photo Printing**

12	Printing photos from a memory card or USB Flash memory drive	78
	PhotoCapture Center™ Operations	
	Printing from a memory card or USB Flash memory drive without a PC.	
	Scanning to a memory card or USB Flash memory drive without a PC	
	Using PhotoCapture Center™ from your computer	
	Using a memory card or USB Flash memory drive	
	Memory cards or a USB Flash memory drive folder structure	
	Getting started	
	Entering PhotoCapture mode	
	Print Images	
	View Photo(s)	
	Print Index (Thumbnails)	
	Printing Photos Enhance Photos	
	Search by Date	
	Print All Photos	
	Slide show	
	Trimming	
	DPOF printing	
	PhotoCapture Center™ print settings	
	Print Speed and Quality	
	Paper options	
	Adjusting Brightness, Contrast and Color	
	Cropping	
	Borderless printing	
	Date Print	93
	Setting your changes as a new default	93
	Restoring all settings to the factory settings	93
	Scan to a memory card or USB Flash memory drive	94
	Entering Scan mode	94
	How to scan to a memory card or USB Flash memory drive	
	How to change the file name	
	How to set a new default	
	How to reset to factory settings	
	Understanding the Error Messages	96
13	Printing photos from a camera	97
	Printing photos directly from a PictBridge camera	97
	PictBridge requirements	97
	Setting your digital camera	97
	Printing Images	
	DPOF printing	
	Printing photos directly from a digital camera (without PictBridge)	
	Printing Images	
	Understanding the Error Messages	100

### **Section V Software**

### 14 Software and Network features

102

### **Section VI Appendixes**

Α	Safety and Legal	104
	Choosing a location	104
	To use the machine safely	105
	Important Information	109
	Important Safety Instructions	109
	IMPORTANT-For Your Safety	110
	LAN connection	111
	Legal limitations for copying	112
	Trademarks	113
В	Troubleshooting and Routine Maintenance	114
	Troubleshooting	114
	If you are having difficulty with your machine	
	Dial Tone detection	120
	Telephone line interference	120
	Error and Maintenance messages	121
	Error animations display	126
	Transferring your faxes or Fax Journal report	126
	Document jam	127
	Printer jam or paper jam	128
	Routine maintenance	131
	Replacing the ink cartridges	131
	Cleaning the outside of the machine	134
	Cleaning the scanner glass	135
	Cleaning the machine printer platen	135
	Cleaning the paper pick-up roller	136
	Cleaning the print head	136
	Checking the print quality	137
	Checking the print alignment	138
	Checking the ink volume	138
	Machine Information	139
	Checking the serial number	139
	Packing and shipping the machine	139

С	Menu and Features	142
	On-screen programming	142
	Menu table	
	Memory storage	142
	Mode and menu keys	
	Menu table	143
	Entering Text	160
D	Specifications	161
	General	161
	Print media	163
	Fax	164
	Copy	166
	PhotoCapture Center™	
	PictBridge	168
	Scanner	169
	Printer	170
	Interfaces	171
	Computer requirements	172
	Consumable items	173
	Network (LAN)	174
	Wireless one-push configuration	175
Е	Glossary	176
F	Index	180

### **Section I**

# General

General Information	2
Loading paper and documents	9
General setup	21
Security features	27

1

### **General Information**

### Using the documentation

Thank you for buying a Brother machine! Reading the documentation will help you make the most of your machine.

### Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

**Bold** Bold typeface identifies specific

buttons on the machine's control panel, or on the computer screen.

Italics Italicized typeface emphasizes

an important point or refers you

to a related topic.

Courier New Text in the Courier New font identifies messages on the

LCD of the machine.



Warnings tell you what to do to prevent possible personal injury.



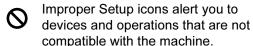
Cautions specify procedures you must follow or avoid to prevent possible damage to the machine or other objects.



Electrical Hazard icons alert you to possible electrical shock.



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



# Accessing the Software User's Guide and Network 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, Scanner, PC Fax and Network. When you are ready to learn detailed information about these operations, read the **Software User's Guide** and **Network User's Guide** that are on the CD-ROM.

### **Viewing Documentation**

### Viewing Documentation (For Windows<sup>®</sup>)

To view the documentation, from the **Start** menu, point to **Brother**, **MFC-XXXX** (where XXXX is your model name) from the programs group, and then choose **User's Guides in HTML format**.

If you have not installed the software, you can find the documentation by following the instructions below:

- 1 Turn on your PC. Insert the Brother CD-ROM into your CD-ROM drive.
- 2 If the model name screen appears, click your model name.

If the language screen appears, click your language. The CD-ROM Main Menu will appear.





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

- 4 Click **Documentation**.
- 5 Click the documentation you want to read.
  - HTML documents: Software
    User's Guide and Network User's
    Guide in HTML format.

This format is recommended for viewing on your computer.

■ PDF documents: User's Guide for stand-alone operations, Software User's Guide and Network User's Guide in PDF format.

This format is recommended for printing the manuals. Click to go to the Brother Solutions Center, where you can view or download the PDF documents. (Internet access and PDF Reader software are required.)

### **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 (For Windows<sup>®</sup> 2000 Professional/ Windows<sup>®</sup> XP and Windows Vista<sup>®</sup>)
- ControlCenter3
   (For Windows<sup>®</sup> 2000 Professional/ Windows<sup>®</sup> XP and Windows Vista<sup>®</sup>)
- Network Scanning

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

■ Instructions for scanning directly from Presto!<sup>®</sup> PageManager<sup>®</sup>. The complete Presto!<sup>®</sup> PageManager<sup>®</sup> User's Guide can be viewed from the Help selection in the Presto!<sup>®</sup> PageManager<sup>®</sup> application.

### **How to find Network setup instructions**

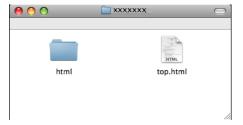
Your machine can be connected to a wireless or wired network. You can find basic setup instructions in the Quick Setup Guide. If your wireless access point supports SecureEasySetup™, Wi-Fi Protected Setup™ or AOSS™, follow the steps in the Quick Setup Guide. For more information about network setup please see the Network User's Guide.

### Viewing Documentation (For Macintosh<sup>®</sup>)

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



- 2 Double-click the **Documentation** icon.
- 3 Double-click your language folder.
- 4 Double-click top.html to view the Software User's Guide and Network User's Guide in HTML format



- 5 Click the documentation you want to read:
  - Software User's Guide
  - Network 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 (For Mac OS® X 10.2.4 or greater)
- ControlCenter2
  (For Mac OS® X 10.2.4 or greater)
- Network Scanning (For Mac OS<sup>®</sup> X 10.2.4 or greater)

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

■ The complete Presto!<sup>®</sup> PageManager<sup>®</sup> User's Guide can be viewed from the Help selection in the Presto!<sup>®</sup> PageManager<sup>®</sup> application.

### How to find Network setup instructions

Your machine can be connected to a wireless or wired network. You can find basic setup instructions in the Quick Setup Guide. If your wireless access point supports
SecureEasySetup™, Wi-Fi Protected
Setup™ or AOSS™, follow the steps in the Quick Setup Guide. For more information about network setup please see the Network User's Guide.

# Accessing Brother Support (For Windows®)

You can find all the contacts you will need, such as Web support (Brother Solutions Center).

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



- To access our web site
  (<a href="http://www.brother.com">http://www.brother.com</a>), click Brother
  Home Page.
- For the latest news and product support information (<u>http://solutions.brother.com</u>), click **Brother Solutions Center**.
- To visit our web site for original Brother Supplies (<a href="http://www.brother.com/original/">http://www.brother.com/original/</a>), click Supplies Information.
- To access the Brother CreativeCenter (<a href="http://www.brother.com/creativecenter/">http://www.brother.com/creativecenter/</a>) for FREE photo projects and printable downloads, click **Brother** CreativeCenter.
- To return to the main page, click **Back** or if you have finished, click **Exit**.

### **Control panel overview**



#### 1 Fax and telephone keys:

#### ■ Redial/Pause

Redials one of the last 30 numbers called. It also inserts a pause when programming quick dial numbers.

#### ■ Hook

Press before dialing if you want to make sure a fax machine will answer, and then press **Mono Start** or **Color Start**.

Also, press this key after picking up the handset of an external telephone during the F/T pseudo/double-ring.

#### 2 Dial Pad

Use these keys to dial telephone and fax numbers and as a keyboard for entering information into the machine.

The # key lets you temporarily switch the dialling mode during a telephone call from Pulse to Tone.

#### 3 Mode keys:

- Fax
  Lets you access Fax mode.
- **Scan**Lets you access Scan mode.
- Copy
  Lets you access Copy mode.
- Photo Capture Lets you access PhotoCapture Center™ mode.

#### 4 Menu keys:

■ Volume keys

When the machine is idle, you can press these keys to adjust the ring volume.

■ Speed Dial key

Ţ

Lets you store, look up, and dial numbers that are stored in the memory.

■ **d** or **b** 

Press to scroll backward or forward to a menu selection.

Also, press to choose options.



#### ■ A or ▼

Press to scroll through the menus and options.

#### ■ Menu

Access the main menu.

### ■ Clear/Back

Press to delete characters or to go back to the previous menu level.

#### ■ OK

Choose a setting.

#### 5 Start keys:



### **Color Start**

Lets you start sending faxes or making copies in full color. Also lets you start a scanning operation (in color or mono, depending on the scanning setting in the ControlCenter software).

### - 🔲

#### **Mono Start**

Lets you start sending faxes or making copies in monochrome. Also lets you start a scanning operation (in color or mono depending on the scanning setting in the ControlCenter software).

### 6 Stop/Exit

Stops an operation or exits from a menu.

#### 7 Ink Management

Lets you clean the print head, print a test page to check the print quality, and check the available ink volume.

### 8 LCD (liquid crystal display)

Displays messages on the screen to help you set up and use your machine.

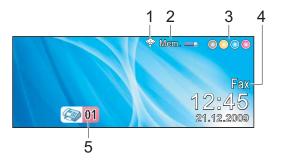
Also, you can adjust the angle of the LCD by lifting it.

#### 9 Power Save

Lets you put the machine into Power Save mode.

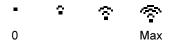
### LCD screen indications

The LCD shows the current machine status when the machine is idle.



#### 1 Wireless Status

A four level indicator shows the current wireless signal strength if you are using a wireless connection.



#### 2 Memory Status

Lets you see the available memory in the machine.

#### 3 Ink indicator

Lets you see the available ink volume.

#### 4 Current Receive Mode

Lets you see the current receive mode.

- Fax (Fax only)
- F/T (Fax/Tel)
- TAD (External TAD)
- Mnl (Manual)

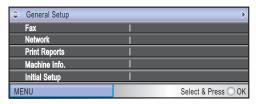
### 5 Faxes in memory

Shows how many received faxes are in the memory.

### **Basic Operations**

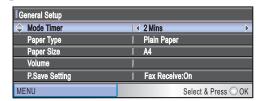
The following steps show how to change a setting in the machine. In this example the Mode Timer setting is changed from 2 minutes to 30 seconds.

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.



Press OK.

3 Press ▲ or ▼ to choose Mode Timer.

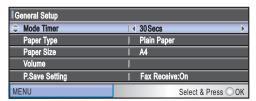


4 Press **∢** or **▶** to choose 30Secs.



Press OK.

You can see the current setting on the LCD:



5 Press Stop/Exit.

### 2

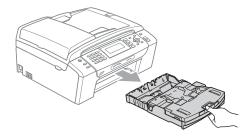
### Loading paper and documents

## Loading paper and other print media



To print on 10 x 15 cm or Photo L paper, you must use the photo paper tray. (See *Loading photo paper* on page 13.)

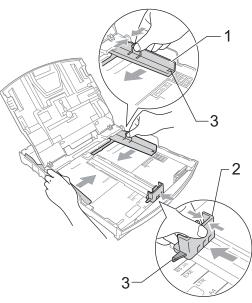
1 If the paper support flap is open, close it, and then close the paper support. Pull the paper tray completely out of the machine.



2 Lift the paper tray cover (1).

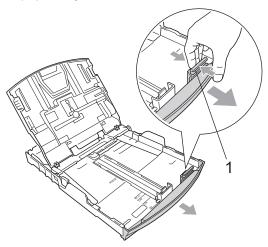


With both hands, gently press and slide the paper side guides (1) and then the paper length guide (2) to fit the paper size. Make sure that the triangular marks (3) on the paper side guides (1) and paper length guide (2) line up with the mark for the paper size you are using.

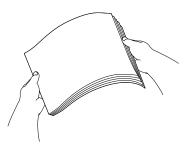




When you are using Legal size paper, press and hold the universal guide release button (1) as you slide out the front of the paper tray.



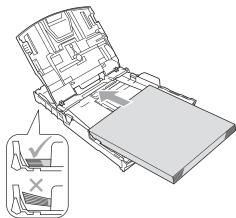
4 Fan the stack of paper well to avoid paper jams and misfeeds.





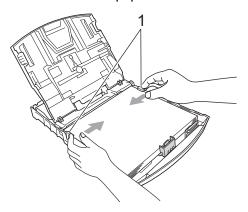
Always make sure that the paper is not curled or wrinkled.

Gently put the paper into the paper tray print side down and top edge in first. Check that the paper is flat in the tray.



6 Gently adjust the paper side guides (1) to the paper with both hands.

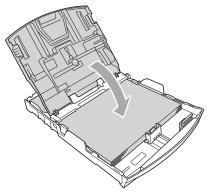
Make sure the paper side guides touch the sides of the paper.



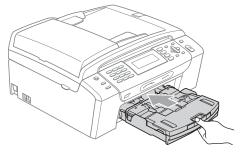


Be careful that you do not push the paper in too far; it may lift at the back of the tray and cause feed problems.

7 Close the paper tray cover.



8 Slowly push the paper tray completely into the machine.



While holding the paper tray in place, pull out the paper support (1) until it clicks and unfold the paper support flap (2).





Do not use the paper support flap for Legal paper.

### Loading envelopes and postcards

### **About envelopes**

- Use envelopes that weigh between 80 to 95 g/m².
- Some envelopes need margin settings to be set in the application. Make sure you do a test print first before printing many envelopes.

### **A** CAUTION

DO NOT use any of the following types of envelopes, as they will cause paper feed problems:

- · That are of a baggy construction.
- That are embossed (have raised writing on them).
- That have clasps or staples.
- That are pre-printed on the inside.

Glue	Double flap

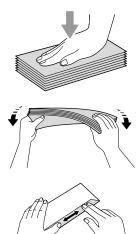
Occasionally you may experience paper feed problems caused by the thickness, size and flap shape of the envelopes you are using.

### How to load envelopes and postcards

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

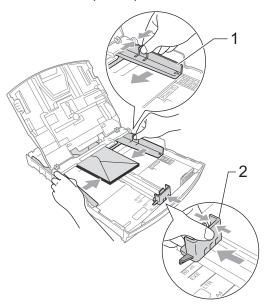


If envelopes or postcards are 'double-feeding', put one envelope or postcard in the paper tray at a time.



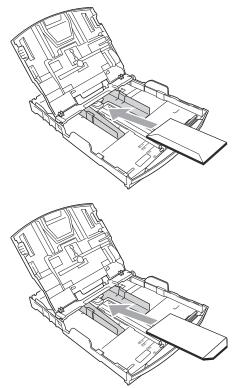
### Chapter 2

2 Put envelopes or postcards in the paper tray with the address side down and the leading edge (top of the envelopes) in first. With both hands, gently press and slide the paper side guides (1) and paper length guide (2) to fit the size of the envelopes or postcards.



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

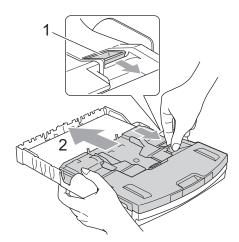
- 1 Make sure the flap is either to the side of the envelope or to the back edge of the envelope when printing.
- 2 Adjust the size and margin in your application.



### Loading photo paper

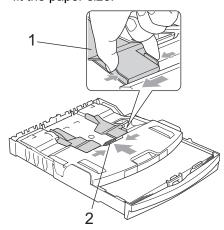
Use the photo paper tray which has been assembled on the top of the paper tray cover to print on Photo ( $10 \times 15$  cm) and Photo L size paper. When you use the photo paper tray, you do not have to take out the paper that is in the tray beneath it.

1 Squeeze the blue photo paper tray release button (1) using your right index finger and thumb and push the photo tray forward until it clicks into the photo printing position (2).



**Photo Paper Tray** 

Press and slide the paper side guides (1) and paper length guide (2) to fit the paper size.



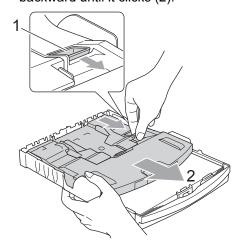
Put the photo paper into the photo paper tray and gently adjust the paper side guides to the paper.

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



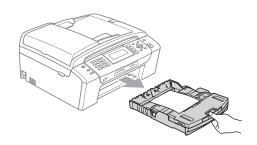
- Be careful that you do not push the paper in too far; it may lift at the back of the tray and cause feed problems.
- Always make sure that the paper is not curled or wrinkled.
- When you have finished printing photos return the photo paper tray to the normal printing position.

  Squeeze the blue photo paper tray release button (1) using your right index finger and thumb and pull the photo tray backward until it clicks (2).



### Removing small printouts from the machine

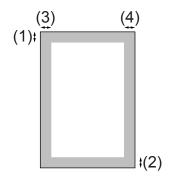
When the machine ejects small paper onto the paper tray you may not be able to reach it. Make sure printing has finished, and then pull the tray completely out of the machine.



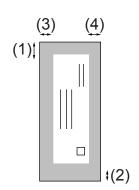
### Printable area

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. The machine can print in the shaded areas of cut sheet paper when the Borderless print feature is available and turned on. (See *Printing* for Windows® or *Printing* and *Faxing* for Macintosh® in the Software User's Guide on the CD-ROM.)

#### **Cut Sheet Paper**



#### **Envelopes**



	Top (1)	Bottom (2)	Left (3)	Right (4)
Cut Sheet	3 mm	3 mm	3 mm	3 mm
Envelopes	12 mm	24 mm	3 mm	3 mm



The Borderless feature is not available for envelopes.

## Acceptable paper and other print media

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 have 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 buying large quantities.

For best results, use Brother paper.

- When you print on inkjet paper (coated paper), transparencies and photo paper, be sure to choose the correct print media in the 'Basic' tab of the printer driver or in the Paper Type setting of the menu. (See Paper Type on page 22.)
- When you print on Brother Photo paper, load one extra sheet of the same photo paper in the paper tray. An extra sheet has been included in the paper package for this purpose.
- When you use transparencies or photo paper, remove each sheet at once 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 print media

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

If Brother paper is not available in your country, we recommend testing various papers before purchasing large quantities.

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

### **Brother paper**

Paper Type	Item
A4 Plain	BP60PA
A4 Glossy Photo	BP71GA4
A4 Inkjet (Matte)	BP60MA
10 x 15 cm Glossy Photo	BP71GP

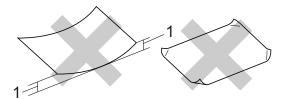
### Handling and using print media

- Store paper in its original packaging, and keep it sealed. Keep the paper flat and away from moisture, direct sunlight and heat.
- Avoid touching the shiny (coated) side of photo paper. Load photo 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.
- You can only print on both sides of the paper with PC printing. (See Printing for Windows<sup>®</sup> in the Software User's Guide on the CD-ROM.)

### **A** CAUTION

DO NOT use the following kinds of paper:

 Damaged, curled, wrinkled, or irregularly shaped paper



#### 1 2 mm or greater

- · Extremely shiny or highly textured paper
- Paper that cannot be arranged uniformly when stacked
- · Paper made with a short grain

### Paper capacity of the paper tray

Up to 50 sheets of 80 g/m<sup>2</sup> A4 paper.

Transparencies and photo paper must be picked up from the paper tray one page at a time to avoid smudging.

### Choosing the right print media

### Paper type and size for each operation

Paper Type	Paper Size		Usage			
			Fax	Сору	Photo Capture	Printer
Cut Sheet	Letter	$215.9 \times 279.4 \text{ mm} (8 \text{ 1/2} \times 11 \text{ in.})$	Yes	Yes	Yes	Yes
	A4	210 $\times$ 297 mm (8.3 $\times$ 11.7 in.)	Yes	Yes	Yes	Yes
	Legal	$215.9 \times 355.6$ mm (8 1/2 $\times$ 14 in.)	Yes	Yes	_	Yes
	Executive	$184\times267$ mm (7 1/4 $\times$ 10 1/2 in.)	_	-	_	Yes
	JIS B5	$182\times257$ mm (7.2 $\times$ 10.1 in.)	_	-	_	Yes
	A5	148 $\times$ 210 mm (5.8 $\times$ 8.3 in.)	_	Yes	_	Yes
	A6	$105\times148$ mm (4.1 $\times$ 5.8 in.)	_	_	_	Yes
Cards	Photo	10 × 15 cm (4 × 6 in.)	_	Yes	Yes	Yes
	Photo L	$89 \times 127$ mm (3 $1/2 \times 5$ in.)	_	_	_	Yes
	Photo 2L	$13 \times 18$ cm (5 × 7 in.)	_	_	Yes	Yes
	Index Card	127 $\times$ 203 mm (5 $\times$ 8 in.)	_	_	_	Yes
	PostCard 1	$100\times148$ mm (3.9 $\times$ 5.8 in.)	_	_	_	Yes
	PostCard2 (Double)	148 $\times$ 200 mm (5.8 $\times$ 7.9 in.)	_	_	-	Yes
Envelopes	C5 Envelope	162 × 229 mm (6.4 × 9 in.)	_	_	_	Yes
	DL Envelope	110 $\times$ 220 mm (4.3 $\times$ 8.7 in.)	_	_	_	Yes
	COM-10	$105 \times 241 \text{ mm } (4  1/8 \times 9  1/2 \text{ in.})$	_	_	_	Yes
	Monarch	98 × 191 mm (3 7/8 × 7 1/2 in.)	_	_	_	Yes
	JE4 Envelope	$105\times235$ mm (4.1 $\times$ 9.3 in.)	-	_	_	Yes
Transparencies	Letter	215.9 × 279.4 mm (8 1/2 × 11 in.)	_	Yes	_	Yes
	A4	210 $\times$ 297 mm (8.3 $\times$ 11.7 in.)	_	Yes	_	Yes

### Paper weight, thickness and capacity

Paper Type		Weight	Thickness	No. of sheets
Cut Sheet	Plain Paper	64 to 120 g/m <sup>2</sup>	0.08 to 0.15 mm	100 <sup>1</sup>
	Inkjet Paper	64 to 200 g/m <sup>2</sup>	0.08 to 0.25 mm	20
	Glossy Paper	Up to 220 g/m <sup>2</sup>	Up to 0.25 mm	20 <sup>2</sup>
Cards	Photo Card	Up to 220 g/m <sup>2</sup>	Up to 0.25 mm	20 <sup>2</sup>
	Index Card	Up to 120 g/m <sup>2</sup>	Up to 0.15 mm	30
	PostCard	Up to 200 g/m <sup>2</sup>	Up to 0.25 mm	30
Envelopes		75 to 95 g/m <sup>2</sup>	Up to 0.52 mm	10
Transparencies		-	_	10

Up to 100 sheets of 80 g/m<sup>2</sup> paper.

 $<sup>^2</sup>$  For Photo 10×15 cm paper and Photo L paper, use the photo paper tray. (See *Loading photo paper* on page 13.)

### **Loading documents**

You can send a fax, make copies, and scan from the ADF (automatic document feeder) and from the scanner glass.

### **Using the ADF**

The ADF can hold up to 15 pages and feeds each sheet individually. Use standard 80 g/m<sup>2</sup> paper and always fan the pages before putting them in the ADF.

### Recommended environment

Temperature:  $20^{\circ}$  C to  $30^{\circ}$  C Humidity: 50% to 70% Paper:  $80 \text{ g/m}^2 \text{ A4}$ 

### **Document Sizes Supported**

 Length:
 148 to 355.6 mm

 Width:
 148 to 215.9 mm

 Weight:
 64 to 90 g/m²

#### How to load documents

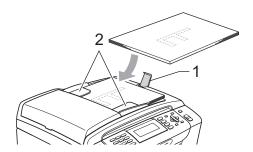
### **A** CAUTION

DO NOT pull on the document while it is feeding.

DO NOT use paper that is curled, wrinkled, folded, ripped, stapled, paper clipped, pasted or taped.

DO NOT use cardboard, newspaper or fabric with the ADF. Instead use the scanner glass.

- Make sure documents written with ink are completely dry.
- 1 Unfold the ADF Document Output Support Flap (1).
- 2 Fan the pages well.
- 3 Place your documents, face down, top edge first in the ADF until you feel them touch the feed roller.
- 4 Adjust the paper guides (2) to fit the width of your documents.



### **A** CAUTION

DO NOT leave thick documents on the scanner glass. If you do this, the ADF may jam.

### Using the scanner glass

You can use the scanner glass to fax, copy or scan pages of a book one page at a time.

### **Document Sizes Supported**

Length: Up to 297 mm

Width: Up to 215.9 mm

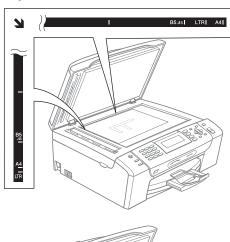
Weight: Up to 2 kg

#### How to load documents



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

- 1 Lift the document cover.
- 2 Using the document guidelines on the left and top, put the document face down in the upper left corner of the scanner glass.





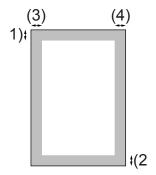
3 Close the document cover.

### **A** CAUTION

If you are scanning a book or thick document, DO NOT slam the cover down or press on it.

### Scannable area

The scannable area depends on the settings in the application you are using. The figures below show the unscannable area.



Usage	Document Size	Top (1) Bottom (2)	Left (3) Right (4)
Fax	Letter	3 mm	4 mm
	A4	3 mm	(Scanner Glass) 3 mm (ADF) 1 mm
	Legal	3 mm	4 mm
Сору	All paper sizes	3 mm	3 mm
Scan	All paper sizes	3 mm	3 mm

### General setup

### **Power Save mode**

To maintain print quality, prolong print head life, and provide the best ink cartridge economy, you should keep your machine connected to the power at all times.

You can put the machine into Power Save mode by pressing the **Power Save** key. You can still receive telephone calls in Power Save mode. For further information on receiving faxes in the Power Save condition, please see the table on page 21. The delayed faxes that have been set up will be sent. You can even retrieve faxes using Remote Retrieval if you are away from your machine. If you want to do other operations, you must take the machine out of Power Save mode.



If you have connected an external telephone or TAD, it is always available.

### Putting your machine in Power Save mode

1 Press and hold down the **Power Save**key until the LCD shows
Shutting Down.
The LCD will stay on for a few seconds before going off.

### Bringing your machine out of Power Save mode

1 Press the **Power Save** key.
The LCD shows the date and time.



- Even if you have put the machine into Power Save mode, it will periodically clean the print head to preserve print quality.
- You can customize Power Save mode so that, apart from automatic head cleaning, no machine operations are available. (See Power Save setting on page 21.)

### **Power Save setting**

You can customize the machine's

Power Save key. The factory setting is

Fax Receive: On. Your machine can
receive faxes or calls even when the machine
is in Power Save mode. If you do not want
your machine to receive faxes or calls, turn
this setting to Fax Receive: Off.

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- 3 Press A or ▼ to choose
  P.Save Setting.
- Press ◀ or ▶ to choose
  Fax Receive:Off
  (or Fax Receive:On).
  Press OK.
- 5 Press Stop/Exit.

On/Off setting	Receive mode	Available operations
Fax Receive: On 1 (factory setting)	Fax Only External TAD	Fax Receive Fax Detect Delayed Fax <sup>3</sup> Fax Forward <sup>3</sup> Fax Storage <sup>3</sup> PC Fax Receive <sup>3</sup> Remote Retrieval <sup>3</sup>
	Manual Fax/Tel <sup>2</sup>	Fax Detect Delayed Fax <sup>3</sup>
Fax Receive: Off	l	No machine operations will be available other than cleaning the print head.

- You cannot receive a fax with Mono Start or Color Start.
- You cannot receive a fax automatically if you have set the receive mode to Fax/Tel.
- 3 Set before you switch off the machine.

### **Mode Timer**

The machine has four temporary mode keys on the control panel: Fax, Scan, Copy and Photo Capture. You can change the amount of time the machine takes after the last Scan, Copy or PhotoCapture operation before it returns to Fax mode. If you choose Off, the machine stays in the mode you used last by default.



- 1 Press Menu.
- Press A or ▼ to choose General Setup. Press OK.
- 3 Press A or V to choose Mode Timer.
- 4 Press ◀ or ▶ to choose OSec, 30Secs, 1Min, 2Mins, 5Mins or Off.
  Press OK.
- 5 Press Stop/Exit.

### **Paper settings**

### **Paper Type**

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

- 1 Press Menu.
- Press A or ▼ to choose
  General Setup.
  Press OK.
- 3 Press ▲ or ▼ to choose Paper Type.
- 4 Press ◀ or ▶ to choose Plain Paper, Inkjet Paper, Brother BP71, Other Glossy Or Transparency. Press OK.
- 5 Press Stop/Exit.



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

### **Paper Size**

You can use five sizes of paper for printing and copying: Letter, Legal, A4, A5 and  $10 \times 15$  cm and three sizes for printing faxes: Letter, Legal and A4. When you change the size of paper you load in the machine, you will need to change the paper size setting at the same time so your machine can fit an incoming fax on the page.

- 1 Press Menu.
- Press A or ▼ to choose
  General Setup.
  Press OK.
- 3 Press A or ▼ to choose Paper Size.
- Press ◀ or ▶ to choose A4, A5, 10x15cm, Letter and Legal. Press OK.
- 5 Press Stop/Exit.

### Volume Settings

### Ring Volume

You can choose a range of ring volume levels, from  ${\tt High}$  to  ${\tt Off}.$ 

While the machine is idle, press ♥ or ▶ ♥ to adjust the volume level. The LCD shows the current setting, and each key press will change the volume to the next level. The machine will keep the new setting until you change it. You can also change the volume through the menu, by following the instructions below:

### Setting the Ring Volume from the menu

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- 3 Press ▲ or ▼ to choose Volume. Press OK.
- 4 Press ▲ or ▼ to choose Ring.
- Press ◀ or ▶ to choose Low, Med, High or Off. Press OK.
- 6 Press Stop/Exit.

### **Beeper Volume**

When the beeper is on, the machine will beep when you press a key, make a mistake or after you send or receive a fax.

You can choose a range of volume levels, from High to Off.

- 1 Press Menu.
- Press A or ▼ to choose
  General Setup.
  Press OK.
- 3 Press A or V to choose Volume.
  Press OK.
- 4 Press ▲ or ▼ to choose Beeper.
- Press ◀ or ▶ to choose Low, Med, High or Off. Press OK.
- 6 Press Stop/Exit.

### **Speaker Volume**

You can choose a range of speaker volume levels, from High to Off.

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- 3 Press A or V to choose Volume. Press OK.
- Press ▲ or ▼ to choose Speaker.
- Press ◀ or ▶ to choose Low, Med, High or Off. Press OK.
- 6 Press Stop/Exit.

### Sleep Mode

You can choose how long the machine must be idle (from 1 to 60 minutes) before it goes into sleep mode. The timer will restart if any operation is carried out on the machine.

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- 3 Press ▲ or ▼ to choose Sleep Mode.
- 4 Press ◀ or ▶ to choose 1Min, 2Mins, 3Mins, 5Mins, 10Mins, 30Mins or 60Mins which is the length of time the machine is idle before entering sleep mode.

  Press OK.
  - 5 Press Stop/Exit.

### LCD screen

### **LCD Contrast**

You can adjust the LCD contrast for a sharper and more vivid display. If you are having difficulty reading the LCD, try changing the contrast setting.

- Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- Press A or ▼ to choose LCD Settings. Press OK.
- Press ▲ or ▼ to choose LCD Contrast.
- Press ◀ or ▶ to choose Light, Med or Dark. Press OK.
- 6 Press Stop/Exit.

### Setting the backlight brightness

If you are having difficulty reading the LCD, try changing the brightness setting.

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- 3 Press A or ▼ to choose LCD Settings. Press OK.
- 4 Press ▲ or ▼ to choose Backlight.
- 5 Press ◀ or ▶ to choose Light, Med or Dark. Press OK.
- 6 Press Stop/Exit.

### Setting the Dim Timer for the backlight

You can set how long the LCD backlight stays on after the last key press.

- 1 Press Menu.
- Press ▲ or ▼ to choose
  General Setup.
  Press OK.
- Press A or ▼ to choose LCD Settings. Press OK.
- Press ▲ or ▼ to choose Dim Timer.
- 5 Press ◀ or ▶ to choose 10Secs, 20Secs, 30Secs or Off.
  Press OK.
- 6 Press Stop/Exit.

### **Setting the Wallpaper**

You can change the wallpaper.

- 1 Press Menu.
- 2 Press A or V to choose General Setup. Press OK.
- Press A or ▼ to choose LCD Settings. Press OK.
- 4 Press ▲ or ▼ to choose Wallpaper.
  Press OK
- Press ▲ or ▼ to choose your wallpaper from the four available designs. Press OK.
- 6 Press Stop/Exit.

### **LCD Language**

You can change the LCD Language.

- 1 Press Menu.
- 2 Press A or V to choose Initial Setup. Press OK.
- 3 Press A or V to choose
  Local Language.
  Press OK.
- 4 Press ◀ or ▶ to choose English or Chinese. Press OK.
- 5 Press Stop/Exit.

### **Setting the Fax Logic**

You can change the transmission process when you send or receive the fax manually with an external telephone.

### Easy mode:

	Call Out	Receives Call
Documents in the ADF	Send the faxes by pressing <b>Start</b> .	_
No documents in the ADF of Documents on the scanner glass	Send the faxes by pressing <b>Start</b> .	Receive the faxes by pressing Start.

#### Advanced mode:

	Call Out	Receives Call
Documents in the ADF	Send the faxes by pressing <b>Start</b> .	
No documents in the ADF of Documents on	Press <b>Start</b> , and then you can select:	Press <b>Start</b> , and then you can select:
the scanner glass	Send/Receive? Send→Press 1 Receive→Press 2	Send/Receive? Send→Press 1 Receive→Press 2

- 1 Press Menu.
- Press **A** or **V** to choose Fax. Press **OK**.
- 3 Press ▲ or ▼ to choose Miscellaneous. Press OK.
- 4 Press ▲ or ▼ to choose Fax Mode. Press OK.
- 5 Press ◀ or ▶ to choose Easy Mode or Advanced Mode.
  Press OK.
- 6 Press Stop/Exit.

### **Security features**

### **TX Lock**

TX Lock lets you prevent unauthorized access to the machine. You will not be able to continue to schedule Delayed Faxes or Polling jobs. However, any pre-scheduled Delayed Faxes will be sent even if you turn on TX Lock, so they will not be lost.

While TX Lock is On, the following operations are available:

- Receiving faxes
- Fax Forwarding (If Fax Forwarding was already On)
- Remote retrieval (If Fax Storage was already On)
- PC Fax Receive (If PC Fax Receive was already On)

While TX Lock is On, the following operations are NOT available:

- Sending faxes
- Copying
- PC printing
- Scanning
- PhotoCapture
- Operation from the Control panel



If you forget the TX Lock password, please call your Brother dealer for service.

### Setting and changing the TX Lock password



If you have already set the password, you will not need to set it again.

### Setting up the password

- Press Menu.
- Press ▲ or ▼ to choose Fax. Press OK.
- Press ▲ or ▼ to choose Miscellaneous. Press OK.
- 4 Press A or V to choose TX Lock. Press OK.
- 5 Enter a 4-digit number for the password. Press OK.
- 6 When the LCD shows Verify:, re-enter the password. Press OK.
- Press Stop/Exit.

#### Changing the password

- 1 Press Menu.
- 2 Press **∆** or **V** to choose Fax. Press **OK**.
- 3 Press A or V to choose
  Miscellaneous.
  Press OK.
- Press A or ▼ to choose TX Lock. Press OK.
- Press A or ▼ to choose Set Password. Press OK.
- 6 Enter a 4-digit number for the current password.
  Press **OK**.
- 7 Enter a 4-digit number for a new password.
  Press **OK**.
- 8 When the LCD shows Verify:, re-enter the password.
  Press **OK**.
- 9 Press Stop/Exit.

#### **Turning TX Lock on/off**

#### **Turning TX Lock on**

- 1 Press Menu.
- 2 Press **∆** or **V** to choose Fax. Press **OK**.
- Press ▲ or ▼ to choose
  Miscellaneous.
  Press OK.
- 4 Press A or ▼ to choose TX Lock.
  Press OK.
- Press A or V to choose Set TX Lock. Press OK.
- 6 Enter the registered 4-digit password. Press **OK**.
  The machine goes offline and the LCD shows TX Lock Mode.

#### **Turning TX Lock off**

- 1 Press Menu.
- Enter the registered 4-digit password. Press **OK**. TX lock is automatically turned off.
- Note

If you enter the wrong password, the LCD shows Wrong Password and stays offline. The machine will stay in TX Lock mode until the registered password is entered.

## **Section II**

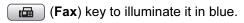
# Fax

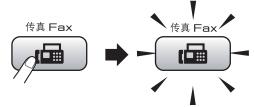
Sending a Fax	30
Receiving a Fax	37
Telephone and External devices	48
Dialling and storing numbers	54
Printing Reports	61
Polling	63

## Sending a Fax

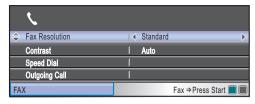
#### **Entering Fax mode**

When you want to send a fax, or change fax send or receive settings, press the





The LCD shows:



Press ▲ or ▼ to scroll through the Fax key options. Some functions are only available when sending monochrome faxes.

- Fax Resolution (See page 34.)
- Contrast (See page 33.)
- Speed Dial (See page 54.)
- Outgoing Call (See page 55.)
- Caller ID hist. (See page 55.)
- Broadcasting (See page 32.)
- Delayed Fax (See page 35.)
- Batch TX (See page 35.)
- Real Time TX (See page 34.)
- Polled TX (See page 65.)
- Polling RX (See page 63.)
- Overseas Mode (See page 35.)
- Glass ScanSize (See page 31.)
- Set New Default (See page 36.)
- Factory Reset (See page 36.)

When the option you want is highlighted, press **OK**.

#### Faxing from the ADF

- 1 Press 📠 (Fax).
- Place the document face down in the ADF. (See *Using the ADF* on page 19.)
- 3 Enter the fax number using the dial pad, Speed Dial or Search.
- 4 Press Mono Start or Color Start.
  The machine starts scanning the document.



- To cancel, press Stop/Exit.
- If you send a mono fax when the memory is full it will be sent in real time.

#### Faxing from the scanner glass

You can use the scanner glass to fax pages of a book one at a time. The documents can be up to Letter or A4 size.

You cannot send color faxes with multiple pages.



Since you can only scan one page at a time, it is easier to use the ADF if you are sending a multiple page document.

- 1 Press (Fax).
- 2 Load your document face down on the scanner glass. (See *Using the scanner glass* on page 19.)
- 3 Enter the fax number using the dial pad, Speed Dial or Search.
- Press Mono Start or Color Start.
  - If you press **Mono Start**, the machine starts scanning the first page. Go to step **⑤**.
  - If you press Color Start, the machine starts sending the document.
- Do one of the following:
  - To send a single page, press 2 to choose No (or press Mono Start again).

The machine starts sending the document.

- To send more than one page, press 1 to choose Yes and go to step 6.
- 6 Place the next page on the scanner glass.

Press OK.

The machine starts scanning the page. (Repeat steps **⑤** and **⑥** for each additional page.)

## Faxing Letter size documents from the scanner glass

When documents are Letter size, you need to set Scan Size to Letter. If you do not, the side portion of the faxes will be missing.

- 1 Press (Fax).
- Press ▲ or ▼ to choose
  Glass ScanSize.
- Press ◀ or ▶ to choose Letter.
  Press OK.



You can save the setting you use most often by setting it as default. (See Setting your changes as a new default on page 36.)

#### Color fax transmission

Your machine can send a color fax to machines that support this feature.

Color faxes cannot be stored in the memory. When you send a color fax, the machine will send it in real time (even if Real Time TX is set to Off).

#### Cancelling a fax in progress

If you want to cancel a fax while the machine is scanning, dialling or sending, press **Stop/Exit**.

# Broadcasting (Monochrome only)

Broadcasting is when the same fax message is automatically sent to more than one fax number. You can include Groups, Speed Dial numbers and up to 50 manually dialled numbers in the same broadcast.

After the broadcast is finished, a Broadcast Report will be printed.

- 1 Press (Fax).
- 2 Load your document.
- Press A or ▼ to choose Broadcasting. Press OK.
- 4 You can add numbers to the broadcast in the following ways:
  - Press A or V to choose Add Number and enter a number using the dial pad. Press OK.
  - Press A or V to choose Speed Dial and OK. Press A or V to choose Alphabetical Order or Numerical Order and OK. Press A or V to select a number and OK.
- After you have entered all the fax numbers by repeating step ④, press ▲ or ▼ to choose Complete.
  Press OK.
- 6 Press Mono Start.



- If you did not use up any of the numbers for Groups, you can 'broadcast' faxes to as many as 250 different numbers.
- The available memory will vary depending on the types of jobs in the memory and the number of locations used for broadcasting.
   If you broadcast to the maximum numbers available, you will not be able to use dual access and delayed fax.
- If the memory is full, press Stop/Exit to stop the job. If more than one page has been scanned, press Mono Start to send the portion that is in the memory.

## Cancelling a Broadcast in progress

- 1 Press Menu.
- Press A or V to choose Fax. Press OK.
- 3 Press ▲ or ▼ to choose Remaining Jobs.

Press OK.

The LCD will show the fax number being dialled and the Broadcast job number.

Press OK. The LCD will ask you the following message:

Cancel Job?
Yes → Press 1
No → Press 2

- Press 1 to cancel the number being dialled.
  The LCD will then show the Broadcast
- 6 Press **OK**.
  The LCD will ask you the following message:

Cancel Job?
Yes → Press 1
No → Press 2

- 7 Press 1 to cancel the Broadcast.
- 8 Press Stop/Exit.

job number.

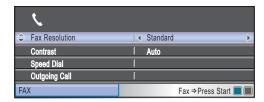
#### 5

# Additional sending operations

## Sending faxes using multiple settings

When you send a fax you can choose any combination of these settings: resolution, contrast, scan size, overseas mode, delayed fax timer, polling transmission and real time transmission.

1 Press (Fax).
The LCD shows:



- Press ▲ or ▼ to choose a setting you want to change.
- 3 Press ◀ or ▶ to choose an option.
- 4 Go back to 2 to change more settings.



- Most settings are temporary and the machine returns to its default settings after you send a fax.
- You can save some of the settings you use most often by setting them as default.
   These settings will stay until you change them again. (See Setting your changes as a new default on page 36.)

#### Contrast

If your document is very light or very dark, you may want to change the contrast. For most documents the factory setting Auto can be used. It automatically chooses the suitable contrast for your document.

Use Light when sending a light document. Use Dark when sending a dark document.

- 1 Press (Fax).
- 2 Press ▲ or ▼ to choose Contrast.
- 3 Press ◀ or ▶ to choose Auto, Light or Dark. Press OK.



Even if you choose Light or Dark, the machine will send the fax using the Auto setting in any of the following conditions:

- · When you send a color fax.
- When you choose Photo as the Fax Resolution.

#### Changing fax resolution

The quality of a fax can be improved by changing the fax resolution.

- 1 Press (Fax).
- Press ▲ or ▼ to choose
  Fax Resolution.
- 3 Press ◀ or ▶ to choose the resolution you want. Press OK.



You can choose four different resolution settings for monochrome faxes and two for color.

Monochrome	
Standard	Suitable for most typed documents.
Fine	Good for small print and transmits a little slower than Standard resolution.
S.Fine	Good for small print or artwork and transmits slower than Fine resolution.
Photo	Use when the document has varying shades of grey or is a photograph. This has the slowest transmission.

Color	
Standard	Suitable for most typed documents.
Fine	Use when the document is a photograph. The transmission time is slower than Standard resolution.

If you choose S. Fine or Photo and then use the Color Start key to send a fax, the machine will send the fax using the Fine setting.

## Dual access (Monochrome only)

You can dial a number and start scanning the fax into memory—even when the machine is sending from memory, receiving faxes or printing PC data. The LCD shows the new job number and available memory.

The number of pages you can scan into the memory will vary depending on the data that is printed on them.



If the Out of Memory message appears while scanning documents, press **Stop/Exit** to cancel or **Mono Start** to send the scanned pages.

#### Real time transmission

When you are sending a fax, the machine will scan the documents into the memory before sending. Then, as soon as the telephone line is free, the machine will start dialling and sending.

If the memory is full or you are sending a color fax, the machine will send the document in real time (even if Real Time TX is set to Off).

Sometimes, you may want to send an important document immediately, without waiting for memory transmission. You can turn on Real Time TX.

- 1 Press (Fax).
- Press ▲ or ▼ to choose Real Time TX.
- 3 Press ◀ or ▶ to choose on (or off).
  Press OK.



In real time transmission, the automatic redial feature does not work when using the scanner glass.

#### **Overseas Mode**

If you are having difficulty sending a fax overseas due to possible interference on the telephone line, we recommend that you turn on the Overseas mode. After you send a fax using this feature, the feature will turn itself off.

- 1 Press (Fax).
- 2 Load your document.
- 3 Press ▲ or ▼ to choose
  Overseas Mode.
- Press ◀ or ▶ to choose On (or Off). Press OK.

## Delayed Faxing (Monochrome only)

During the day you can store up to 50 faxes in the memory to be sent within 24-hours. These faxes will be sent at the time of day you enter in step **6**.

- 1 Press (Fax).
- 2 Load your document.
- 3 Press A or V to choose Delayed Fax.
- 4 Press ◀ or ▶ to choose on. Press **OK**.
- 5 Enter the time you want the fax to be sent (in 24-hour format).
  (For example, enter 19:45 for 7:45 PM.)
  Press **OK**.



The number of pages you can scan into the memory depends on the amount of data that is printed on each page.

## Delayed Batch Transmission (Monochrome only)

Before sending the delayed faxes, your machine will help you economize by sorting all the faxes in the memory by destination and scheduled time. All delayed faxes that are scheduled to be sent at the same time to the same fax number will be sent as one fax to save transmission time.

- 1 Press 📠 (Fax).
- 2 Press A or V to choose Batch TX.
- 3 Press **∢** or **▶** to choose on. Press **OK**.
- 4 Press Stop/Exit.

## Checking and cancelling waiting jobs

You can check which jobs are still waiting in the memory to be sent and cancel a job. (If there are no jobs, the LCD shows

No Jobs Waiting.)

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- Press ▲ or ▼ to choose Remaining Jobs. Press OK. Any waiting jobs appear on the LCD.
- 4 Press ▲ or ▼ to scroll through the jobs and choose the job you want to cancel. Press OK.
- 5 Do one of the following:
  - To cancel, press 1 to choose Yes.
    If you want to cancel another job go to step 4.
  - To exit without cancelling, press 2 to choose No.
- 6 When you have finished, press Stop/Exit.

## Setting your changes as a new default

#### You can save the fax settings for

Fax Resolution, Contrast, Glass ScanSize and Real Time TX you use most often by setting them as default. These settings will stay until you change them again.

- 1 Press (Fax).
- Press ▲ or ▼ to choose the menu option that you want to change. Press ◄ or ▶ to choose your new option. Repeat this step for each setting you want to change.
- After changing the last setting, press ▲ or ▼ to choose Set New Default. Press OK.
- 4 Press 1 to choose Yes.
- 5 Press Stop/Exit.

## Restoring all settings to the factory settings

You can restore all the settings you have changed to the factory settings. These settings will stay until you change them again.

- 1 Press (Fax).
- Press ▲ or ▼ to choose
  Factory Reset.
  Press OK.
- 3 Press 1 to choose Yes.
- 4 Press Stop/Exit.

#### Sending a fax manually

Manual transmission lets you hear the dialling, ringing and fax-receiving tones while sending a fax.

- 1 Press (Fax).
- 2 Load your document.
- To listen for a dial tone pick up the handset of an external telephone.
- Dial the fax number.
- When you hear the fax tone, press
  Mono Start or Color Start.

  Press 1 when you select the Fax Mode
  to Advanced Mode and send the fax
  from the scanner glass. (See Setting the
  Fax Logic on page 26.)
- 6 Replace the handset.

#### **Out of Memory message**

If you get an Out of Memory message while scanning the first page of a fax, press **Stop/Exit** to cancel the fax.

If you get an Out of Memory message while scanning a subsequent page, you will have the option to press **Mono Start** to send the pages scanned so far, or to press **Stop/Exit** to cancel the operation.



If you get an Out of Memory message while faxing and you do not want to delete your stored faxes to clear the memory, you can send the fax in real time. (See Real time transmission on page 34.)

## 6 Receiving a Fax

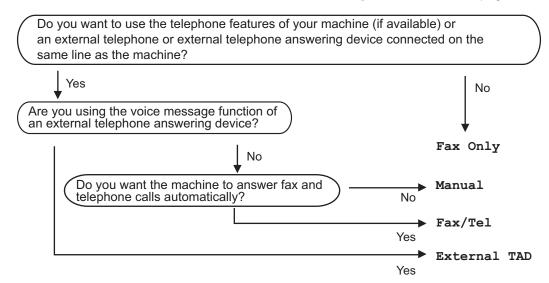
#### Receive modes

You must choose a receive mode depending on the external devices and telephone services you have on your line.

#### **Choose the Receive Mode**

By default, your machine will automatically receive any faxes that are sent to it. The diagram below will help you choose the correct mode.

For more detailed information on the receive modes, see *Using receive modes* on page 38.



To set a receive mode follow the instructions below.

- 1 Press Menu.
- Press A or V to choose Initial Setup. Press OK.
- 3 Press ▲ or ▼ to choose Receive Mode.
- 4 Press ◀ or ▶ to choose Fax Only, Fax/Tel, External TAD or Manual. Press OK.
- 5 Press **Stop/Exit**.
  The LCD will display the current receive mode.

#### Using receive modes

Some receive modes answer automatically (Fax Only and Fax/Tel). You may want to change the ring delay before using these modes. (See *Ring Delay* on page 39.)

#### Fax only

Fax only mode will automatically answer every call as a fax call.

#### Fax/Tel

Fax/Tel mode helps you automatically manage incoming calls, by recognising whether they are fax or voice calls and dealing with them in one of the following ways:

- Faxes will be automatically received.
- Voice calls will start the F/T ring to tell you to pick up the line. The F/T ring is a fast double ring made by your machine.

(Also see *F/T Ring Time (Fax/Tel mode only)* on page 39 and *Ring Delay* on page 39.)

#### **Manual**

To receive a fax in manual mode lift the handset of an external telephone. When you hear fax tones (short repeating beeps), press **Mono Start** or **Color Start** and choose Receive. Press **2** when you select the Fax Mode to Advanced Mode. (See Setting the Fax Logic on page 26.) You can also use the Fax Detect feature to receive faxes by lifting a handset on the same line as the machine.

(Also see Fax Detect on page 40.)

#### **External TAD**

External TAD mode lets an external answering device manage your incoming calls. Incoming calls will be dealt with in one of the following ways:

- Faxes will be automatically received.
- Voice callers can record a message on the external TAD.

(For more information see Connecting an external TAD (telephone answering device) on page 50.)

#### Receive mode settings

#### **Ring Delay**

The Ring Delay sets the number of times the machine rings before it answers in Fax Only or Fax/Tel mode.

(See Operation from extention telephones on page 52 and Fax Detect on page 40.)

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax. Press OK.
- 3 Press A or ▼ to choose Setup Receive. Press OK.
- Press ▲ or ▼ to choose Ring Delay.
- Press ◀ or ▶ to choose how many times the line rings before the machine answers. Press OK.

If you choose 0, the line will not ring at all.

6 Press Stop/Exit.

## F/T Ring Time (Fax/Tel mode only)

When somebody calls your machine, you and your caller will hear the normal telephone ring sound. The number of rings is set by the ring delay setting.

If the call is a fax, then your machine will receive it; however, if it is a voice call the machine will sound the F/T ring (a fast double-ring) for the time you have set in the F/T ring time setting. If you hear the F/T ring it means that you have a voice caller on the line.

Because the F/T ring is made by the machine, extension and external telephones will *not* ring; however, you can still answer the call on any telephone. (For more information see *Using remote codes* on page 52.)

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- Press A or ▼ to choose
  Setup Receive.
  Press OK.
- 4 Press A or V to choose F/T Ring Time.
- 5 Press ◀ or ▶ to choose how long the machine will ring to alert you that you have a voice call. Press OK.
- 6 Press Stop/Exit.



Even if the caller hangs up during the pseudo/double-ringing, the machine will continue to ring for the set time.

#### **Fax Detect**

#### If Fax Detect is On:

Fax Detect is turned On as default.

The machine receives a fax call automatically, even if you answer the call. When you see Receiving on the LCD or when you hear "chirps" through the handset you are using, just replace the handset. Your machine will do the rest.

#### If Fax Detect is Off:

If you are at the machine and answer a fax call by lifting the handset, press **Mono Start** or **Color Start**. Press **2** when you select the Fax Mode to Advanced Mode. (See Setting the Fax Logic on page 26.)

If you answered at an extension telephone, press \* **5 1**. (See *Operation from extention telephones* on page 52.)



- If this feature is set to On, but your machine does not connect a fax call when you lift an extension or external telephone handset, press the remote activation code
   \* 5 1.
- If you send faxes from a computer on the same telephone line and the machine intercepts them, set Fax Detect to Off.
- 1 Press Menu.
- Press ▲ or ▼ to choose Fax. Press OK.
- 3 Press A or V to choose Setup Receive. Press OK.
- 4 Press ▲ or ▼ to choose Fax Detect.
- Fress of to choose on (or off).
  Press of.
- 6 Press Stop/Exit.

# Memory Receive (Monochrome only)

You can only use one Memory Receive operation at a time:

- Fax Forwarding
- Fax Storage
- PC Fax Receive
- Off

You can change your selection at any time. If received faxes are still in the machine's memory when you change the Memory Receive operation, a message will appear on the LCD. (See *Changing Memory Receive Operations* on page 43.)

#### **Fax Forwarding**

When you choose Fax Forward, your machine stores the received fax in the memory. The machine will then dial the fax number you have programmed and forward the fax message.

- Press Menu.
- Press A or V to choose Fax. Press OK.
- 3 Press A or V to choose Setup Receive. Press OK.
- 4 Press A or V to choose
  Memory Receive.
  Press OK.
- 5 Press A or V to choose Fax Forward.
  Press OK.
- 6 Enter the forwarding number (up to 20 digits).
  Press **OK**.

Press A or V to choose
Backup Print:On or
Backup Print:Off.
Press OK.

#### Note

- If you choose Backup Print:On, the machine will also print the fax at your machine so you will have a copy. This is a safety feature in case there is a power failure before the fax is forwarded or a problem at the receiving machine.
- When you receive a color fax, your machine prints the color fax at your machine but does not send the fax to the fax forwarding number you programmed.
- 8 Press Stop/Exit.

#### **Fax Storage**

If you choose Fax Storage, your machine stores the received fax in the memory. You will be able to retrieve fax messages from another location using the remote retrieval commands.

If you have set Fax Storage, a backup copy will automatically be printed at the machine.

- 1 Press Menu.
- Press A or ▼ to choose Fax. Press OK.
- 3 Press A or V to choose Setup Receive. Press OK.
- 4 Press A or V to choose
  Memory Receive.
  Press OK.
- Press A or V to choose Fax Storage. Press OK.
- 6 Press Stop/Exit.



Color faxes cannot be stored in the memory. When you receive a color fax your machine prints the color fax at your machine.

#### **PC Fax Receive**

If you turn on the PC-Fax Receive feature your machine will store received faxes in memory and send them to your PC automatically. You can then use your PC to view and store these faxes.

Even if you have turned off your PC (at night or on the weekend, for example), your machine will receive and store your faxes in its memory. The number of received faxes that are stored in the memory will appear at the bottom left side of the LCD.

When you start your PC and the PC-FAX Receiving software runs, your machine transfers your faxes to your PC automatically.

To transfer the received faxes to your PC you must have the PC-FAX Receiving software running on your PC. (For details, see *PC-FAX receiving* in the Software User's Guide on the CD-ROM.)

If you choose Backup Print: On the machine will also print the fax.

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax. Press OK.
- Press A or ▼ to choose
  Setup Receive.
  Press OK.
- 4 Press ▲ or ▼ to choose
  Memory Receive.
  Press OK.
- 5 Press A or V to choose
  PC Fax Receive.
  Press OK.

- 6 Press ▲ or ▼ to choose <USB> or the PC you want to receive.

  Press OK
- 7 Press A or V to choose
  Backup Print:On or
  Backup Print:Off.
  Press OK.
- 8 Press Stop/Exit.



- PC Fax Receive is not supported in the Mac OS<sup>®</sup>.
- Before you can set up PC Fax Receive you must install the MFL-Pro Suite software on your PC. Make sure your PC is connected and turned on. (For details see PC-FAX Receiving in the Software User's Guide on the CD-ROM.)
- If you get an error message and the machine cannot print the faxes in memory, you can use this setting to transfer your faxes to your PC. (For details, see Error and Maintenance messages on page 121.)
- When you receive a color fax, your machine prints the color fax at your machine but does not send the fax to your PC.

#### Changing the destination PC

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- 3 Press A or ▼ to choose
  Setup Receive.
  Press OK.
- 4 Press ▲ or ▼ to choose
  Memory Receive.
  Press OK.

- 5 Press A or V to choose
  PC Fax Receive.
  Press OK.
- 6 Press ▲ or ▼ to choose Change.
  Press OK.
- Press ▲ or ▼ to choose <USB>, or the PC you want to receive faxes.
  Press OK.
- 8 Press A or V to choose
  Backup Print:On or
  Backup Print:Off.
  Press OK.
- 9 Press Stop/Exit.

## Turning off Memory Receive Operations

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- 3 Press A or V to choose Setup Receive. Press OK.
- 4 Press A or V to choose
  Memory Receive.
  Press OK.
- Fress A or V to choose Off. Press OK.
- 6 Press Stop/Exit.



The LCD will give you more options if there are received faxes still in your machine's memory. (See *Changing Memory Receive Operations* on page 43.)

## **Changing Memory Receive Operations**

If received faxes remain in your machine's memory when you change the Memory Receive Operations, the LCD will ask you one of the following questions:

Yes → Press 1
No → Press 2

Print All Fax?

■ Erase All Doc?

- Yes → Press 1
  No → Press 2
  - If you press 1, faxes in the memory will be erased or printed before the setting changes. If a backup copy has already been printed it will not be printed again.
  - If you press 2, faxes in the memory will not be erased or printed and the setting will be unchanged.

If received faxes are left in the machine's memory when you change to

PC Fax Receive from another option
[Fax Forward or Fax Storage], press ▲ or
▼ to choose the PC.

The LCD will ask you the following question:

- Send Fax to PC?

  Yes → Press 1

  No → Press 2
  - If you press 1, faxes in the memory will be sent to your PC before the setting changes. You will be asked if you want to turn on Backup Print. (For detail, see PC Fax Receive on page 41.)
  - If you press 2, faxes in the memory will not be erased or transferred to your PC and the setting will be unchanged.

# Additional receiving operations

## Printing a reduced incoming fax

If you choose On, the machine automatically reduces each page of an incoming fax to fit on one page of A4, Letter or Legal size paper. The machine calculates the reduction ratio by using the page size of the fax and your Paper Size setting. (See *Paper Size* on page 23.)

- Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- Press A or V to choose Setup Receive. Press OK.
- 4 Press ▲ or ▼ to choose
  Auto Reduction.
- Fress ◀ or ▶ to choose On (or Off).
  Press OK.
- 6 Press Stop/Exit.

#### **Out of Paper Reception**

As soon as the paper tray becomes empty during fax reception, the LCD shows No Paper Fed. Put some paper in the paper tray. (See Loading paper and other print media on page 9.)

The machine will carry on receiving the fax, with the remaining pages being stored in memory, if enough memory is available.

Further incoming faxes will also be stored into memory until the memory is full. When the memory is full the machine will stop automatically answering calls. To print the faxes, put fresh paper in the tray.

## Printing a fax from the memory

If you have chosen Fax Storage, you can still print a fax from the memory when you are at your machine.

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax. Press OK.
- 3 Press ▲ or ▼ to choose
  Print Document.
  Press OK.
- 4 Press Mono Start.
- 5 Press Stop/Exit.



When you print a fax from the memory, the fax data will be erased.

#### Remote Retrieval

You can call your machine from any touch tone telephone or fax machine, then use the remote access code and remote commands to retrieve fax messages.

## Setting a Remote Access Code

The remote access code lets you access the remote retrieval features when you are away from your machine. Before you can use the remote access and retrieval features, you have to set up your own code. The factory default code is the inactive code (---\*).

- 1 Press Menu.
- Press A or V to choose Fax. Press OK.
- 3 Press ▲ or ▼ to choose
  Remote Access.
- 4 Enter a three-digit code using numbers 0-9, \*, or #.
  Press OK. (The preset '\*' cannot be changed.)



Do not use the same code as your Remote Activation Code (\* **5 1**) or Remote Deactivation Code (**# 5 1**). (See *Operation* from extention telephones on page 52.)

5 Press Stop/Exit.



You can change your code at any time by entering a new one. If you want to make your code inactive, press **Clear/Back** in step 4 to restore the inactive setting (---\*) and press **OK**.

## Using your Remote Access Code

- 1 Dial your fax number from a touch tone telephone or another fax machine.
- When your machine answers, enter your remote access code (3 digits followed by \*) at once.
- The machine signals if it has received messages:
  - 1 long beep Fax messages
  - No beeps No messages
- When the machine gives two short beeps, enter a command.
  The machine will hang up if you wait longer than 30 seconds to enter a command.
  The machine will beep three times if you
  - enter an invalid command.
- Press 9 0 to stop Remote Access when you have finished.
- 6 Hang up.



If your machine is set to Manual mode and you want to use the remote retrieval features, wait for about 100 seconds after it starts ringing, and then enter the remote access code within 30 seconds.

#### **Remote Fax commands**

Follow the commands below to access features when you are away from the machine. When you call the machine and enter your remote access code (3 digits followed by  $\ast$ ), the system will give two short beeps and you must enter a remote command.

Rem	ote commands	Operation details
95	Change the Fax Forwarding or Fax Storage settings	
	1 OFF	You can choose Off after you have retrieved or erased all your messages.
	2 Fax Forwarding	One long beep means the change is accepted. If you hear
	4 Fax Forwarding number	three short beeps, the change was not accepted because something has not been set up (for example, a Fax
	6 Fax Storage	Forwarding number has not been registered). You can register your Fax Forwarding number by entering 4. (See Changing your Fax Forwarding number on page 47.) Once you have registered the number, Fax Forwarding will work.
96	Retrieve a fax	
	2 Retrieve all faxes	Enter the number of a remote fax machine to receive stored fax messages. (See <i>Retrieving fax messages</i> on page 47.)
	3 Erase faxes from the memory	If you hear one long beep, fax messages have been erased from the memory.
97 Check t	Check the receiving status	
	1 Fax	You can check whether your machine has received any faxes. If yes, you will hear one long beep. If no, you will hear three short beeps.
98	Change the Receive Mode	
	1 External TAD	If you hear one long beep, your change has been accepted.
	2 Fax/Tel	
	3 Fax Only	
90	Exit	Pressing <b>9 0</b> allows you to exit remote retrieval. Wait for the long beep, then replace the handset.

#### Retrieving fax messages

You can call your machine from any touch tone telephone and have your fax messages sent to a machine. Before you use this feature, you have to turn on Fax Storage.

- Dial your fax number.
- When your machine answers, enter your remote access code (3 digits followed by \*) at once. If you hear one long beep, you have messages.
- When you hear two short beeps, press **9 6 2**.
- Wait for the long beep, enter the number (up to 20 digits) of the remote fax machine you want your fax messages sent to using the dial pad, then enter ##.



You cannot use \* and # as dial numbers. However, press # if you want to create a pause.

Hang up after you hear your machine beep. Your machine will call the other fax machine, which will then print your fax messages.

## Changing your Fax Forwarding number

You can change the default setting of your fax forwarding number from another touch tone telephone or fax machine.

- Dial your fax number.
- When your machine answers, enter your remote access code (3 digits followed by \*) at once. If you hear one long beep, you have messages.
- When you hear two short beeps, press 9 5 4.
- Wait for the long beep, enter the new number (up to 20 digits) of the remote fax machine you want your fax messages forwarded to using the dial pad, then enter ##.



You cannot use \* and # as dial numbers. However, press # if you want to create a pause.

- 5 Press 9 0 when you have finished.
- 6 Hang up after you hear your machine beep.

7

### **Telephone and External devices**

#### Voice operations

Voice calls can be made either with an extension or external telephone, by dialling manually, or by using Quick Dial numbers.

#### **Tone or Pulse**

If you have a Pulse dialling service, but need to send Tone signals (for example, for telephone banking), follow the instructions below:

- 1 Pick up the handset of the external telephone.
- Press # on the machine's control panel. Any digits dialled after this will send tone signals.

When you hang up, the machine will return to the Pulse dialling service.

#### Fax/Tel mode

When the machine is in Fax/Tel mode, it will use the F/T Ring Time (pseudo/double-ringing) to alert you to pick up a voice call.

If you are at an external telephone, lift the handset of the external telephone, and then press **Hook** to answer.

If you are at an extension telephone, you'll need to lift the handset during the F/T Ring Time and then press # 5 1 between the pseudo/double rings. If no one is on the line, or if someone wants to send you a fax, send the call back to the machine by pressing \* 5 1.

## Fax/Tel mode in Power Save condition

When the machine is in Power Save mode you can receive faxes if the Power Save setting is Fax Receive: On. (See Power Save setting on page 21.)

Fax/Tel mode does not work in the Power Save condition. The machine will not answer telephone or fax calls and will keep ringing. If you are at an external or extension telephone, lift the handset and talk. If you hear fax tones, hold the handset until Fax Detect activates your machine. If the other party says they want to send you a fax, activate the machine by pressing \* 5 1.

#### **Telephone service**

The caller ID feature of this machine lets you use the caller ID subscriber service offered by certain telephone companies.

# Caller ID (Caller IDentification) (not available in certain area)

The Caller ID is a telephone service that allows the subscriber to see a display of the caller's phone number as the telephone rings. It is a fast way to screen your calls. You can respond quickly to calls you missed, because caller IDs are received and stored in your fax machine memory. Besides the standard Caller ID feature, you can also select a single caller's phone number and call back.



- To get the Caller ID service, you have to apply for it at your local telephone company.
- FSK and DTMF are the two modes for displaying your calls.

The default mode of this machine is FSK.

Please ask your local telephone company for whether your mode is FSK or DTMF.

If your local telephone company uses DTMF mode, please switch your mode as follows. Contact your local telephone company or Brother dealer in the case that the feature does not work normally.

Caller ID feature is not available in the following situation:

- 1 You have not applied for it at your local telephone company.
- 2 The fax machine is connected to an internal switchboard or other switch device.

3 Due to the switchboard problems or line problems of local telephone companies, the feature may not work in some areas.

#### **Advantages of Caller ID**

#### For Business

All businesses profit from a quicker response to customer calls.

#### **For Home**

Residential customers can protect themselves from unwanted calls.

#### **Setup Method**

- Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- 3 Press A or V to choose Miscellaneous.
  Press OK.
- 4 Press A or V to choose
  Caller ID Type.
  Press OK.
- Fress ▲ or ▼ to choose FSK or DTMF. Press OK.
- 6 Press Stop/Exit.

#### Caller ID feature

The Caller ID feature of this machine lets you use the Caller ID subscriber service offered by many local phone companies.

You can view the list or choose one of these numbers to fax to, add to Speed Dial or delete from the history. (See *Caller ID history* on page 55.)

After a few rings, the screen displays the telephone number of your caller (or name, if available). Once you answer the call, the Caller ID information disappears from the screen, but the call information remains stored in the Caller ID memory.

- You will see the first 16 characters of the number or name.
- # Unavailable display means call originates outside your Caller ID service area.
- ID Withheld display means the caller has intentionally blocked transmission of information.

You can print a list of the Caller ID information received by your machine. (See *Reports* on page 62.)



You can print a list of Caller ID information received by your machine.

Caller ID service varies with different carriers. Call your local phone company to determine the kind of service available in your area.

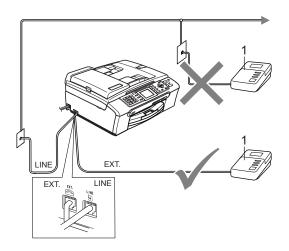
# Connecting an external TAD (telephone answering device)

You may choose to connect an external answering device. However, when you have an **external** TAD on the same telephone line as the machine, the TAD answers all calls and the machine 'listens' for fax calling (CNG) tones. If it hears them, the machine takes over the call and receives the fax. If it does not hear CNG tones, the machine lets the TAD continue playing your outgoing message so your caller can leave you a voice message.

The TAD must answer within four rings (the recommended setting is two rings). The machine cannot hear CNG tones until the TAD has answered the call, and with four rings there are only 8 to 10 seconds of CNG tones left for the fax 'handshake'. Make sure you carefully follow the instructions in this guide for recording your outgoing message. We do not recommend using the toll saver feature on your external answering machine if it exceeds five rings.



If you do not receive all your faxes, shorten the Ring Delay setting on your external TAD.



#### 1 TAD

When the TAD answers a call, the LCD shows Telephone.

#### **A** CAUTION

DO NOT connect a TAD elsewhere on the same telephone line.

#### **Connections**

The external TAD must be connected as shown in the previous illustration.

- Set your external TAD to one or two rings. (The machine's Ring Delay setting does not apply.)
- Record the outgoing message on your external TAD.
- Set the TAD to answer calls.
- 4 Set the Receive Mode to
  External TAD. (See Choose the Receive Mode on page 37.)

## Recording outgoing message (OGM) on an external TAD

Timing is important in recording this message. The message sets up the ways to handle both manual and automatic fax reception.

- 1 Record 5 seconds of silence at the beginning of your message. (This allows your machine time to listen for the fax CNG tones of automatic transmissions before they stop.)
- 2 Limit your speaking to 20 seconds.



We recommend beginning your OGM with an initial 5-second silence because the machine cannot hear fax tones over a resonant or loud voice. You may try omitting this pause, but if your machine has trouble receiving, then you must re-record the OGM to include it.

#### Multi-line connections (PBX)

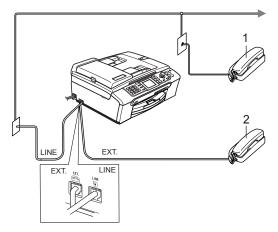
We suggest you ask the company who installed your PBX to connect your machine. If you have a multi line system we suggest you ask the installer to connect the unit to the last line on the system. This prevents the machine being activated each time the system receives telephone calls. If all incoming calls will be answered by a switchboard operator we recommend that you set the Receive Mode to Manual.

We cannot guarantee that your machine will operate properly under all circumstances when connected to a PBX. Any difficulties with sending or receiving faxes should be reported first to the company who handles your PBX.

# External and extension telephones

## Connecting an external or extension telephone

You can connect a separate telephone to your machine as shown in the diagram below.



- 1 Extension telephone
- 2 External telephone

When you are using an external or extension telephone, the LCD shows Telephone.

## Operation from extention telephones

If you answer a fax call on an extension or an external telephone, you can make your machine take the call by using the Remote Activation Code. When you press the Remote Activation Code \* 5 1, the machine starts to receive the fax.

If the machine answers a voice call and pseudo/double-rings for you to take over, use the Remote Deactivation Code # 5 1 to take the call at an extension telephone. (See *F/T Ring Time (Fax/Tel mode only)* on page 39.)

### If you answer a call and no one is on the line:

You should assume that you're receiving a manual fax.

Press \* **5 1** and wait for the chirp or until the LCD shows Receiving, and then hang up.



You can also use the Fax Detect feature to make your machine automatically take the call. (See *Fax Detect* on page 40.)

## Using a cordless external telephone

If your cordless telephone is connected to the telephone line cord (See External and extension telephones on page 52.) and you typically carry the cordless handset elsewhere, it is easier to answer calls during the Ring Delay.

If you let the machine answer first, you will have to go to the machine so you can press **Hook** to send the call to the cordless handset.

#### Using remote codes

#### **Remote Activation code**

If you answer a fax call on an extension or external telephone, you can tell your machine to receive it by dialling the Remote Activation Code \* 5 1. Wait for the chirping sounds then replace the handset. See *Fax Detect* on page 40. Your caller will have to press Start to send the fax.

#### **Remote Deactivation code**

If you receive a voice call and the machine is in F/T mode, it will start to sound the F/T (double) ring after the initial ring delay. If you pick up the call on an extension telephone you can turn the F/T ring off by pressing # 5 1 (make sure you press this between the rings).

#### Changing the remote codes

If you want to use Remote Activation, you have to turn on the remote codes. The preset Remote Activation Code is \* 5 1. The preset Remote Deactivation Code is # 5 1. If you want to, you can replace them with your own codes.

- 1 Press Menu.
- Press A or V to choose Fax. Press OK.
- 3 Press A or ▼ to choose
  Setup Receive.
  Press OK.
- 4 Press ▲ or ▼ to choose Remote Codes.
- 5 Press ◀ or ▶ to choose On (or Off). Press OK.
- 6 Enter the new Remote Activation Code. Press **OK**.
- 7 Enter the new Remote Deactivation Code.
  Press **OK**.
- 8 Press Stop/Exit.



- If you are always disconnected when accessing your external TAD remotely, try changing the Remote Activation Code and Remote Deactivation Code to another three-digit code using the numbers 0-9, \*, #.
- Remote Codes might not work with some telephone systems.

## Dialling and storing numbers

#### **How to Dial**

#### Manual dialling

Press all of the digits of the fax or telephone number.



#### **Speed Dialling**

1 Press (Speed Dial).



You can also choose Speed Dial by pressing (Fax).

- Press A or V to choose Search.
  Press OK.
- 3 Press the two-digit Speed Dial number. (See Storing Speed Dial numbers on page 56.)
- If you have two numbers in the location, press ▲ or ▼ to choose the number you want to call.
  Press OK.



If the LCD shows Not Registered when you enter or search a Speed Dial number, a number has not been stored at this location.

#### Search

You can search for names you have stored in the Speed Dial memory.

- 1 Press (Speed Dial).
  You can also choose Speed Dial by pressing (Fax).
- Press ▲ or ▼ to choose Search.
  Press OK.
- Press ▲ or ▼ to choose
  Alphabetical Order or
  Numerical Order.
  Press OK.



- Press \* to make the LCD font size larger.
- · Press # to make the LCD font size smaller.
- 4 If you chose Alphabetical Order in step ③, use the dial pad to enter the first letter of the name, and then press ▲ or ▼ to choose the name and number you want to call.

  Press OK.

#### Fax Redial

If you are sending a fax manually and the line is busy, press **Redial/Pause**, and then press **Mono Start** or **Color Start** to try again. If you want to make a second call to a number you recently dialled, you can press **Redial/Pause** and choose one of the last 30 numbers from the Outgoing Call List.

**Redial/Pause** only works if you dialled from the control panel. *If you are sending a fax automatically* and the line is busy, the machine will automatically redial up to three times at five minute intervals.

1 Press Redial/Pause.

- Press ▲ or ▼ to choose the number you want to redial.

  Press OK.
- Press A or ▼ to choose Send a fax. Press OK.
- 4 Press Mono Start or Color Start.



In Real Time Transmission the automatic redial feature does not work when using the scanner glass.

#### **Outgoing Call history**

The last 30 numbers you sent a fax to will be stored in the outgoing call history. You can choose one of these numbers to fax to, add to Speed Dial or delete from the history.

- 1 Press Redial/Pause.
  You can also choose Outgoing Call
  by pressing (Fax).
- Press ▲ or ▼ to choose the number you want.
  Press **OK**.
- 3 Do one of the following:
  - To send a fax, press A or V to choose Send a fax.

Press OK.

Press Mono Start or Color Start.

■ If you want to store the number, press A or V to choose
Add to Speed Dial.

Press **OK**.

(See Storing Speed Dial numbers from Outgoing Calls on page 56.)

- Press A or V to choose Delete.
  - Press OK.

Press 1 to confirm.

4 Press Stop/Exit.

#### Caller ID history

This feature requires the Caller ID subscriber service offered by many local telephone companies. (See Caller ID (Caller IDentification) (not available in certain area) on page 49.)

The number, or name if available, from the last 30 faxes and telephone calls you received will be stored in the Caller ID history. You can view the list or choose one of these numbers to fax to, add to Speed Dial or delete from the history. When the thirty-first call comes in to the machine, it replaces information about the first call.

- 1 Press (Fax).
- Press A or ▼ to choose
  Caller ID hist..
  Press OK.
- Press ▲ or ▼ to choose the number you want.
  Press OK.
- 4 Do one of the following:
  - To send a fax, press A or V to choose Send a fax.

Press OK.

Press Mono Start or Color Start.

■ If you want to store the number, press A or V to choose Add to Speed Dial.

Press OK.

(See Storing Speed Dial numbers from Outgoing Calls on page 56.)

- Press A or V to choose Delete.
  Press OK.
  - Press 1 to confirm.
- 5 Press Stop/Exit.



You can print the Caller ID list. (See *How to print a report* on page 62.)

#### Storing numbers

You can set up your machine to do the following types of easy dialling: Speed Dial and Groups for broadcasting faxes. When you dial a Quick Dial number, the LCD shows the name, if you stored it, or the number.



If you lose electrical power, the Quick Dial numbers that are in the memory will not be lost.

#### Storing a pause

Press **Redial/Pause** to put a 3.5-second pause between numbers. If you are dialling overseas, you can press **Redial/Pause** as many times as needed to increase the length of the pause.

#### Storing Speed Dial numbers

You can store up to 100 2-digit Speed Dial locations with a name, and each name can have two numbers. When you dial you will only have to press a few keys (For example: "(Speed Dial), Search, OK, the two-digit number, and Mono Start or Color Start).

- Press (Speed Dial).
- Press A or V to choose
  Set Speed Dial.
  Press OK.
- 3 Press ▲ or ▼ to choose the Speed Dial location where you want to store the number in. Press OK.

- 4 Do one of the following:
  - Enter the name (up to 16 characters) using the dial pad.

Press OK.

(To help you enter letters, see *Entering Text* on page 160.)

- To store the number without a name, press **OK**.
- 5 Enter the fax or telephone number (up to 20 digits).
  Press **OK**.
- 6 Do one of the following:
  - Enter the second fax or telephone number (up to 20 digits).

Press OK.

- If you do not want to store a second number, press OK.
- Press ▲ or ▼ to choose Complete.
  Press OK
- 8 Do one of the following:
  - To store another Speed Dial number, go to step 3.
  - To finish the setting, press Stop/Exit.

#### Storing Speed Dial numbers from Outgoing Calls

You can also store Speed Dial numbers from the Outgoing Call history.

- 1 Press Redial/Pause.
  You can also choose Outgoing Call
  by pressing (Fax).
- Press ▲ or ▼ to choose the name or number you want to store. Press OK.
- Press ▲ or ▼ to choose
  Add to Speed Dial.
  Press OK.

- Press ▲ or ▼ to choose the Speed Dial location you want to store the number in. Press OK.
- 5 Do one of the following:
  - Enter the name (up to 16 characters) using the dial pad.

Press OK.

(To help you enter letters, see *Entering Text* on page 160.)

- To store the number without a name, press **OK**.
- 6 Press **OK** to confirm the fax or telephone number.
- 7 Do one of the following:
  - Enter the second fax or telephone number (up to 20 digits).

Press **OK**.

- If you do not want to store a second number, press OK.
- 8 Press A or V to choose Complete. Press OK.
- 9 Press Stop/Exit.

## Storing Speed Dial numbers from the Caller ID history

If you have the Caller ID subscriber service from your telephone company you can also store Speed Dial numbers from incoming calls in the Caller ID History. (See Caller ID (Caller IDentification) (not available in certain area) on page 49.)

- 1 Press 📠 (Fax).
- 2 Press ▲ or ▼ to choose
  Caller ID hist..
  Press OK.
- 3 Press ▲ or ▼ to choose the number you want to store.
  Press OK.

- 4 Press A or V to choose
  Add to Speed Dial.
  Press OK.
- Press ▲ or ▼ to choose the 2-digit Speed Dial location you want to store the number in. Press OK.
- 6 Do one of the following:
  - Enter the name (up to 16 characters) using the dial pad.

Press OK.

(To help you enter letters, see *Entering Text* on page 160.)

- To store the number without a name, press **OK** or use **Clear/Back** to delete the name, and then press **OK**.
- Press **OK** to confirm the fax or telephone number.
- 8 Do one of the following:
  - Enter the second fax or telephone number (up to 20 digits).

Press OK.

- If you do not want to store a second number, press OK.
- Press A or ▼ to choose Complete. Press OK.
- 10 Press Stop/Exit.

## Changing Speed Dial names or numbers

You can change a Speed Dial name or number that has already been stored.

- 1 Press (Speed Dial).
- Press A or ▼ to choose
  Set Speed Dial.
  Press OK.
- Press ▲ or ▼ to choose the 2-digit Speed Dial location you want to change. Press OK.
- 4 Do one of the following:
  - Press ▲ or ▼ to choose Change. Press OK.
  - Press ▲ or ▼ to choose Delete. Press OK. Press 1 to confirm. Go to step ③.



How to change the stored name or number:

If you want to change a character, press 
◀ or ▶ to position the cursor under the character you want to change, and then press Clear/Back. Re-enter the character.

- If you want to change the name, press ▲ or ▼ to choose Name, then press ▶ and enter the new name using the dial pad (up to 16 characters).
  Press OK.
  (See Entering Text on page 160.)
- 6 If you want to change the first Fax/Tel number, press ▲ or ▼ to choose Fax/Tel:, then press ▶ and enter the new fax or telephone number using the dial pad (up to 20 digits).

- Press ▲ or ▼ to choose Complete. Press OK.
- 8 Press Stop/Exit.

## Setting up groups for broadcasting

Groups, which can be stored in a Speed Dial location, allow you to send the same fax message to many fax numbers by pressing only (Speed Dial), Search, OK, the two-digit location and Mono Start. First, you'll need to store each fax number in a Speed-Dial location. Then you can include them as numbers in the Group. Each Group uses up a Speed Dial location. You can have up to six Groups, or you can assign up to 198 numbers in a large Group.

(See Storing Speed Dial numbers on page 56 and Broadcasting (Monochrome only) on page 32.)

- 1 Press (Speed Dial).
- Press A or ▼ to choose Setup Groups. Press OK.
- 3 Press ▲ or ▼ to choose GROUP1, GROUP2, GROUP3, GROUP4, GROUP5 or GROUP6 for the Group name where you will store the fax numbers. Press OK.
- Press ▲ or ▼ to choose the 2-digit Speed Dial location you want to add to the Group. Press OK.
- Press A or ▼ to choose Add Number. Press OK.
- 6 To add numbers to the group, press

  ▲ or ▼ to choose

Alphabetical Order or Numerical Order and OK. Press ▲ or ▼ to select a number and OK.

- 7 Do one of the following:
  - To add another number to the group, repeat steps **⑤** to **⑥**.
  - If you are finished adding numbers to the group, press A or V to choose Complete.

Press OK.

- 8 Do one of the following:
  - To store another Group for broadcasting, repeat steps 3 to 7.
  - To finish storing Groups for broadcasting, press Stop/Exit.



You can print a list of all the Speed Dial numbers. Group numbers will be marked in the GROUP column. (See *Reports* on page 62.)

#### Changing a Group name

- 1 Press (Speed Dial).
- Press A or ▼ to choose Setup Groups. Press OK.
- 3 Press ▲ or ▼ to choose the Group name you want to change. Press OK.
- 4 Press ▲ or ▼ to choose
  Change Group Name.
  Press OK.



How to change the stored name or number:

If you want to change a character, press ◀ or ▶ to position the cursor under the character you want to change, and then press Clear/Back. Re-enter the character.

5 Enter the new name (up to 16 characters) using the dial pad. Press **OK**. (See *Entering Text* on page 160. For example, type NEW CLIENTS.)

- 6 Press ▲ or ▼ to choose Complete.
  Press OK.
- 7 Press Stop/Exit.

#### **Deleting a Group**

- 1 Press 🖺 (Speed Dial).
- Press ▲ or ▼ to choose Setup Groups. Press OK.
- Press ▲ or ▼ to choose the Group you want to delete.
  Press OK.
- 4 Press ▲ or ▼ to choose Delete. Press OK. Press 1 to confirm.
- 5 Press Stop/Exit.

#### Deleting a number from a Group

- 1 Press (Speed Dial).
- Press ▲ or ▼ to choose Setup Groups. Press OK.
- 3 Press ▲ or ▼ to choose the Group you want to change. Press OK.
- Press ▲ or ▼ to choose the number you want to delete. Press OK. Press 1 to confirm.
- Press A or ▼ to choose Complete. Press OK.
- 6 Press Stop/Exit.

## Combining Quick Dial numbers

Sometimes you may want to choose from several long distance carriers when you make a call. Rates may vary depending on the time and destination. To take advantage of low rates, you can store the access codes of long-distance carriers and credit card numbers as Speed Dial numbers. You can store these long dialling sequences by dividing them and setting them up as separate Speed Dial numbers in any combination. You can even include manual dialling using the dial pad. (See Storing Speed Dial numbers on page 56.)

For example, you might have stored '555' on Speed Dial: 03 and '7000' on Speed Dial: 02. You can use them both to dial '555-7000' if you press the following keys:

- 1 Press (Speed Dial).
- Press ▲ or ▼ to choose Search.
  Press OK.
- 3 Enter **03**.
- Press A or ▼ to choose Speed Dial. Press OK.
- 5 Press A or V to choose Search.
  Press OK.
- 6 Enter **02**.
- 7 Press Mono Start or Color Start. You will dial '555-7000'.

To temporarily change a number, you can substitute part of the number with manual dialling using the dial pad. For example, to change the number to 555-7001 you could press (Speed Dial), choose Search, press 03 and then press 7001 using the dial pad.



If you must wait for another dial tone or signal at any point in the dialling sequence, create a pause in the number by pressing **Redial/Pause**. Each key press adds a 3.5-second delay.

## 9

## **Printing Reports**

#### Fax reports

You need to set up the Transmission Verification Report and Journal Period using the **Menu** keys.

## Transmission Verification Report

You can use the Transmission Verification Report as proof that you sent a fax. This report lists the time and date of transmission and whether the transmission was successful (OK). If you choose On or On+Image, the report will print for every fax you send.

If you send a lot of faxes to the same place, you may need more than the job numbers to know which faxes you must send again.

Choosing On+Image or Off+Image will print a section of the fax's first page on the report to help you remember.

When the Transmission Verification Report is turned Off or Off+Image, the Report will only print if there is a transmission error, and the fax could not be sent.



If you choose On+Image or Off+Image, the image will only appear on the Transmission Verification Report if Real Time Transmission is set to Off. (See *Real time transmission* on page 34.)

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- 3 Press A or V to choose Report Setting. Press OK.
- 4 Press ▲ or ▼ to choose Transmission.

- Fress ◀ or ▶ to choose On, On+Image, Off or Off+Image. Press OK.
- 6 Press Stop/Exit.

#### Fax Journal (activity report)

You can set the machine to print a journal at specific intervals (every 50 faxes, 6, 12 or 24 hours, 2 or 7 days). If you set the interval to Off, you can still print the report by following the steps in *How to print a report* on page 62. The factory setting is Every 50 Faxes.

- 1 Press Menu.
- Press ▲ or ▼ to choose Fax.
  Press OK.
- Press A or ▼ to choose
  Report Setting.
  Press OK.
- Press ▲ or ▼ to choose Journal Period.
- Press ◀ or ▶ to choose an interval. Press OK. (If you choose 7 days, the LCD will ask you to choose the first day for the 7-day countdown.)
  - 6, 12, 24 hours, 2 or 7 days

The machine will print the report at the chosen time and then erase all jobs from its memory. If the machine's memory is filled with the maximum 200 jobs before the time you chose has passed, the machine will print the Journal early and then erase all jobs from the memory. If you want an extra report before it is due to print, you can print it without erasing the jobs from the memory.

Every 50 Faxes
The machine will print the Journal when the machine has stored 50 jobs.

6 Enter the time to start printing in 24-hour format.

Press OK.

(For example: enter 19:45 for 7:45 PM.)

7 Press Stop/Exit.

#### Reports

The following reports are available:

■ XMIT Verify

Prints a Transmission Verification Report for your last transmission.

■ Help List

A help list showing how to program your machine.

■ Quick Dial

Lists names and numbers stored in the Speed Dial memory, in alphabetical or numerical order.

■ Fax Journal

Lists information about the last incoming and outgoing faxes. (TX: Transmit.) (RX: Receive.)

■ User Settings

Lists your settings.

■ Network Config

Lists your Network settings.

■ Caller ID hist.

Lists the available Caller ID information about the last 30 received faxes and telephone calls.

#### How to print a report

- 1 Press Menu.
- Press ▲ or ▼ to choose
  Print Reports.
  Press OK.
- 3 Press ▲ or ▼ to choose the report you want.
  Press OK.
- 4 (Quick Dial Only) Press ▲ or ▼ to choose Alphabetical Order or Numerical Order.
  Press OK.
- 6 Press Mono Start.
- 6 Press Stop/Exit.

## 10 Polling

#### Polling overview

Polling lets you set up your machine so other people can receive faxes from you, but they pay for the call. It also lets you call somebody else's fax machine and receive a fax from it, so you pay for the call. The polling feature needs to be set up on both machines for this to work. Not all fax machines support polling.

#### Polling receive

Polling receive lets you call another fax machine to receive a fax.

#### Setup to receive polling

- 1 Press (Fax).
- Press ▲ or ▼ to choose Polling RX.
- 3 Press ∢ or ▶ to choose Standard. Press OK.
- 4 Enter the fax number you are polling.
- 5 Press Mono Start or Color Start.

## Setup to receive polling with secure code

Secure Polling lets you restrict who can get the documents you set up to be polled.

Secure Polling only works with Brother fax machines. If you want to get a fax from a secured Brother machine you have to enter the secure code.

- 1 Press (Fax).
- Press ▲ or ▼ to choose Polling RX.
- 3 Press ◀ or ▶ to choose Secure.
  Press OK.
- 4 Enter a four-digit secure code.
  This is the same as the security code of the fax machine you are polling.
  Press **OK**.
- 5 Enter the fax number you are polling.
- 6 Press Mono Start or Color Start.

## Setup to receive delayed polling

Delayed polling lets you set the machine to begin polling receive at a later time. You can only set up *one* delayed polling operation.

- 1 Press (Fax).
- Press A or ▼ to choose Polling RX.
- 3 Press ◀ or ▶ to choose Timer. Press OK.
- 4 Enter the time (in 24-hour format) you want to start polling.
  For example, enter 21:45 for 9:45 PM.
  Press **OK**.
- Enter the fax number you are polling.
- 6 Press Mono Start or Color Start.
  The machine makes the polling call at the time you entered.

## Sequential polling (Monochrome only)

Sequential polling lets you request documents from several fax machines in one operation.

- 1 Press (Fax).
- Press ▲ or ▼ to choose Polling RX.
- 3 Press ◀ or ▶ to choose Standard, Secure, Timer or Off. Press OK.

- 4 Do one of the following:
  - If you chose Standard, press OK and then go to step 5.
  - If you chose Secure, press OK and then enter a four-digit number. Press OK, go to step 6.
  - If you chose Timer, press **OK** and then enter the time (24-hour format) you want to begin polling.

    Press **OK**, go to step **⑤**.
- 5 Press ▲ or ▼ to choose Broadcasting.
  Press OK.
- 6 Do one of the following:
  - Press A or V to choose Add Number and enter a number using the dial pad.

Press OK.

- Press A or V to choose Speed Dial and OK. Press A or V to choose Alphabetical Order or Numerical Order and OK. Press A or V to select a number and OK.
- 7 After you have entered all the fax numbers by repeating steps ⑥, press ▲ or ▼ to choose Complete.

  Press OK.
- 8 Press **Mono Start**.
  The machine polls each number or group in turn for a document.

Press **Stop/Exit** while the machine is dialling to cancel the polling process.

To cancel all sequential polling receive jobs, see *Checking and cancelling waiting jobs* on page 35.

## Polled transmit (Monochrome only)

Polled transmit lets you set up your machine to wait with a document so another fax machine can call and retrieve it.

The document will be stored and can be retrieved by any other fax machine until you delete it from the memory. (See *Checking and cancelling waiting jobs* on page 35.)

### Setup for polled transmit

- 1 Press (Fax).
- 2 Load your document.
- 3 Press A or V to choose Polled TX.
- Press ◀ or ▶ to choose Standard. Press OK.
- Press ▲ or ▼ to choose any settings you want to change.

Press ◀ or ▶ to choose the settings.

After each setting is accepted, you can continue to change more settings.

- 6 Press Mono Start.
- If you are using the scanner glass, the LCD will prompt you to choose one of the options.
  - Press 1 to send another page. Go to 3.
  - Press 2 or Mono Start to send the document.
- 8 Place the next page on the scanner glass, press **OK**. Repeat **7** and **3** for each additional page.
  Your machine will automatically send the fax.

## Setup for polled transmit with secure code

Secure Polling lets you restrict who can get the documents you set up to be polled.

Secure Polling only works with Brother fax machines. If another person wants to retrieve a fax from your machine, they will have to enter the secure code.

- 1 Press 📠 (Fax).
- 2 Load your document.
- 3 Press ▲ or ▼ to choose Polled TX.
- 4 Press ◀ or ▶ to choose Secure.
  Press OK.
- 5 Enter a four-digit number. Press **OK**.
- 6 Press ▲ or ▼ to choose any settings you want to change.
  Press ◄ or ▶ to choose the settings.
  After each setting is accepted, you can

continue to change more settings.

7 Press Mono Start.

## **Section III**



# Copy

**Making copies** 

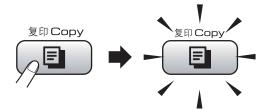
68

## Making copies

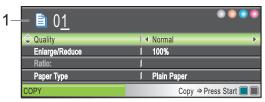
## How to copy

### **Entering Copy mode**

When you want to make a copy, press (Copy) to illuminate it in blue.



#### The LCD shows:



#### 1 No. of Copies

You can enter the number of copies you want by using the dial pad.

Press ▲ or ▼ to scroll through the **Copy** key options.

- Quality (See page 69.)
- Enlarge/Reduce (See page 70.)
- Paper Type (See page 73.)
- Paper Size (See page 73.)
- Brightness (See page 72.)
- Contrast (See page 72.)
- Stack/Sort (See page 72.)
- Page Layout (See page 70.)
- Book Copy (See page 73.)
- Watermark Copy (See page 74.)
- Set New Default (See page 75.)
- Factory Reset (See page 75.)

When the option you want is highlighted, press **OK**.



- The default setting is Fax mode. You can change the amount of time that the machine stays in Copy mode after the last copy operation. (See Mode Timer on page 22.)
- Book Copy and Watermark Copy features are supported by technology from Reallusion, Inc.

## Making a single copy

- 1 Press (Copy).
- 2 Load your document. (See Loading documents on page 19.)
- 3 Press Mono Start for B&W copy or Color Start for color copy.

### Making multiple copies

You can make up to 99 copies in one print run.

- 1 Press (Copy).
- 2 Load your document. (See Loading documents on page 19.)
- 3 Enter the number of copies you want.
- 4 Press Mono Start for B&W copy or Color Start for color copy.



To sort the copies, press ▲ or ▼ to choose Stack/Sort. (See Sorting copies using the ADF on page 72.)

## Stop copying

To stop copying, press Stop/Exit.

#### 11

## **Copy settings**

You can change the copy settings temporarily for the next multiple copies.

The machine returns to its default settings after 1 minute, or if the Mode Timer returns the machine to Fax mode. (See *Mode Timer* on page 22.)

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

If you want to choose more settings, press  $\blacktriangle$  or  $\blacktriangledown$ .



You can save some of the settings that you use most often by setting them as default. These settings will stay until you change them again. (See Setting your changes as a new default on page 75.)

## Changing copy speed and quality

You can choose from a range of quality. The factory setting is Normal.

■ Fast

Fast copy speed and lowest amount of ink used. Use to save time printing documents to be proof-read, large documents or many copies.

■ Normal

Normal is the recommended mode for ordinary print outs. This produces good copy quality with good copy speed.

■ Best

Use best mode to copy precise images such as photographs. This provides the highest resolution and slowest speed.

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- Press ▲ or ▼ to choose Quality.
- Press ◀ or ▶ to choose Fast, Normal or Best.

Press OK.

6 If you do not want to change additional settings, press Mono Start or Color Start.

## Enlarging or reducing the image copied

You can choose an enlargement or reduction ratio. If you choose Fit to Page, your machine will adjust the size automatically to the paper size you set.

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press ▲ or ▼ to choose Enlarge/Reduce.
- Press ◀ or ▶ to choose 100%, Enlarge, Reduce, Fit to Page or Custom (25-400%).
- 6 Do one of the following:
  - If you chose Enlarge or Reduce, press OK and press or to choose the enlargement or reduction ratio you want. Press OK.
  - If you chose Custom (25-400%), press **OK** and then enter an enlargement or reduction ratio from 25% to 400%. Press **OK**.
  - If you chose 100% or Fit to Page, go to step ⑦.

100%
198% 10x15cm→A4
186% 10x15cm→LTR
142% A5→A4
97% LTR→A4
93% A4→LTR
83% LGL→A4
69% A4→A5
47% A4→10x15cm
Fit to Page
Custom(25-400%)

7 If you do not want to change additional settings, press Mono Start or Color Start.



- Page Layout is not available with Enlarge/Reduce.
- Book Copy, Sort and Watermark Copy are not available with Fit to Page.
- Fit to Page does not work properly when the document on the scanner glass is skewed more than 3 degrees. Using the document guidelines on the left and top, place your document in the upper left hand corner, with the document face down on the scanner glass.
- Fit to Page is not available for a Legal size document.

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

The N in 1 copy feature can help you save paper by letting you copy two or four pages onto one printed page.

You can also produce 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.

#### **Important**

- Make sure paper size is set to Letter or A4.
- You cannot use the Enlarge/Reduce setting with the N in 1 and Poster features.
- If you are producing multiple color copies, N in 1 copy is not available.
- (P) means Portrait and (L) means Landscape.
- You can only make one poster copy at a time.

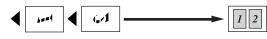


Watermark Copy, Book Copy, Sort and Enlarge/Reduce are not available with Page Layout.

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- Press ▲ or ▼ to choose Page Layout.
- 5 Press ◀ or ▶ to choose Off(1 in 1),
  2 in 1 (P), 2 in 1 (L),
  4 in 1 (P), 4 in 1 (L) or
  Poster(3 x 3).
  Press OK.
- 6 If you do not want to change additional settings, press Mono Start or Color Start to scan the page.
  If you placed the document in the ADF or are making a poster, the machine scans the pages and starts printing.
  If you are using the scanner glass, go to step 7.
- 7 After the machine scans the page, press **1** to scan the next page.
- Put the next page on the scanner glass. Press **OK**.
  Repeat steps **7** and **8** for each page of the layout.
- 9 After all the pages have been scanned, press 2 to finish.

## Place the document face down in the direction shown below:





■ 2 in 1 (L)



■ 4 in 1 (P)

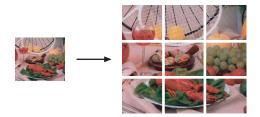


■ 4 in 1 (L)



■ Poster (3 x 3)

You can make a poster size copy of a photograph.



### Sorting copies using the ADF

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

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- Press ▲ or ▼ to choose Stack/Sort.
- 5 Press ◀ or ▶ to choose Sort. Press OK.
- 6 If you do not want to change additional settings, press Mono Start or Color Start.



Fit to Page, Page Layout and Book Copy are not available with Sort.

## Adjusting Brightness and Contrast

#### **Brightness**

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

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press ▲ or ▼ to choose Brightness.
- Press ◀ or ▶ to make a darker or lighter copy.
  Press OK.
- 6 If you do not want to change additional settings, press Mono Start or Color Start.

#### Contrast

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

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- Press ▲ or ▼ to choose Contrast.
- 5 Press **∢** or **▶** to change the contrast. Press **OK**.
- 6 If you do not want to change additional settings, press Mono Start or Color Start.

### **Paper Options**

#### **Paper Type**

If you are copying on special paper, set the machine for the type of paper you are using to get the best print quality.

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press ▲ or ▼ to choose Paper Type.
- Press ◀ or ▶ to choose Plain Paper, Inkjet Paper, Brother BP71, Other Glossy or Transparency. Press OK.
- 6 If you do not want to change additional settings, press Mono Start or Color Start.

#### **Paper Size**

If copying on paper other than A4 size, you will need to change the paper size setting. You can copy only on Letter, Legal, A4, A5 or Photo  $10 \text{ cm} \times 15 \text{ cm}$  paper.

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press ▲ or ▼ to choose Paper Size.
- 5 Press ◀ or ▶ to choose A4, A5, 10x15cm, Letter or Legal. Press OK.
- 6 If you do not want to change additional settings, press Mono Start or Color Start.

### **Book Copy**

Book copy corrects dark borders and skew. Your machine can correct the data automatically or you can make specific corrections.

If you use this setting, use the scanner glass.

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press ▲ or ▼ to choose Book Copy.
- 5 Do one of the following:
  - If you want to correct the data yourself, press or to choose On (Preview).

Press Mono Start or Color Start and go to step **6**.

- If you want the machine to correct the data automatically, press ◀ or ▶ to choose On and go to step ⑦.
- 6 Adjust the skewed data by using # or \*. Remove the shadows by using ▲ or ▼.
- 7 If you have finished making corrections, press **Mono Start** or **Color Start**.



Book Copy is not available with
Page Layout, Sort, Fit to Page or
Watermark Copy.

### **Watermark Copy**

You can place a logo or text into your document as a Watermark. You can select one of the template watermarks, data from your media cards or USB Flash memory drive. or scanned data.



Watermark Copy is not available with Fit to Page, Page Layout and Book Copy.

#### Using a template

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- Press A or V to choose Watermark Copy. Press OK.
- 5 Press **d** or **▶** to choose On.
- 6 Press A or V to choose Current Setting. Press OK.
- 7 Press A or ▼ to choose Template. Press OK.
- 8 Change the settings from the options displayed on the LCD if required.
- If you do not want to change additional settings, press Mono Start or Color Start.

## Using media cards or a USB Flash memory drive data

- 1 Press (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press A or V to choose
  Watermark Copy.
  Press OK.
- 5 Press **∢** or **▶** to choose on.
- 6 Press A or V to choose Current Setting. Press OK.
- 8 Press **OK** and then press **◄** or **▶** to choose the data you want to use for the watermark.
- 9 Press **OK** and change any additional settings from the options shown on the LCD.
- If you do not want to change additional settings, press Mono Start or Color Start.

## **A** CAUTION

DO NOT take out the memory card or USB Flash memory drive while **Photo Capture** is blinking to avoid damaging the card, USB Flash memory drive or data stored on the card.

## Using a scanned paper document as your watermark

- 1 Press (Copy).
- Enter the number of copies you want.
- 3 Press A or V to choose Watermark Copy. Press OK.
- 4 Press ◀ or ▶ to choose on.
- Press ▲ or ▼ to choose Current Setting. Press OK.
- 6 Press ▲ or ▼ to choose Scan. Press OK, and place the page that you want to use as a watermark on the scanner glass.
- Press Mono Start or Color Start.
- 8 Take out the watermark document you scanned and load the document you want to copy.
- 9 Press ◀ or ▶ to change the Transparency of the watermark. Press OK.
- If you do not want to change any additional settings, press Mono Start or Color Start.



You cannot enlarge or reduce the scanned watermark.

## Setting your changes as a new default

You can save the copy settings for Quality, Enlarge/Reduce, Brightness, Contrast or Page Layout that you use most often by setting them as the default settings. These settings will stay until you change them again.

- 1 Press (Copy).
- Press ▲ or ▼ to choose your new setting. Press OK. Repeat this step for each setting you want to change.
- After changing the last setting, press ▲ or ▼ to choose Set New Default. Press OK.
- 4 Press 1 to choose Yes.
- 5 Press Stop/Exit.

## Restoring all settings to the factory settings

You can restore all the settings you have changed back to the factory settings. These settings will stay until you change them again.

- 1 Press 🔳 (Copy).
- Press ▲ or ▼ to choose
  Factory Reset.
  Press OK.
- 3 Press 1 to choose Yes.
- 4 Press Stop/Exit.

## 'Out of Memory' message

If the Out of Memory message appears while scanning documents, press Stop/Exit to cancel or Mono Start or Color Start to copy the scanned pages.

You will need to clear some jobs from the memory before you can continue.

To free up extra memory, do the following:

- Turn off Memory Receive. (See Turning off Memory Receive Operations on page 42.)
- Print the faxes that are in the memory. (See Printing a fax from the memory on page 44.)

When you get an Out of Memory message, you may be able to make copies if you first print incoming faxes in the memory to restore the memory to 100%.

## **Section IV**



# **Direct Photo Printing**

Printing photos from a memory card or	
USB Flash memory drive	78
Printing photos from a camera	97

## Printing photos from a memory card or USB Flash memory drive

## PhotoCapture Center™ **Operations**

## Printing from a memory card or USB Flash memory drive without a PC

Even if your machine is not connected to your computer, you can print photos directly from digital camera media or a USB Flash memory drive. (See Print Images on page 81.)

### Scanning to a memory card or **USB Flash memory drive** without a PC

You can scan documents and save them directly to a memory card or USB Flash memory drive. (See Scan to a memory card or USB Flash memory drive on page 94.)

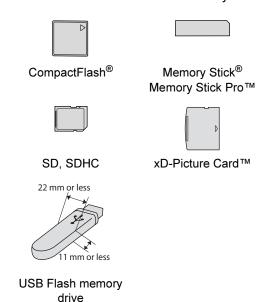
## Using PhotoCapture Center™ from your computer

You can access a memory card or USB Flash memory drive that is inserted in the front of the machine from your PC.

(See PhotoCapture Center™ for Windows® or Remote Setup & PhotoCapture Center™ for Macintosh® in the Software User's Guide on the CD-ROM.)

## Using a memory card or USB Flash memory drive

Your Brother machine has media drives (slots) for use with the following popular digital camera media: CompactFlash<sup>®</sup>, Memory Stick®, Memory Stick Pro™, SD, SDHC, xD-Picture Card™ and USB Flash memory drives.



- miniSD™ can be used with a miniSD™ adapter.
- microSD can be used with a microSD adapter.
- Memory Stick Duo™ can be used with a Memory Stick Duo™ adapter.
- Memory Stick Pro Duo<sup>™</sup> can be used with a Memory Stick Pro Duo™ adapter.
- Memory Stick Micro (M2) can be used with a Memory Stick Micro (M2) adapter.
- Adapters are not included with the machine. Contact a third party supplier for adapters.

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

#### 12

## Memory cards or a USB Flash memory drive folder structure

Your machine is designed to be compatible with modern digital camera image files, memory cards and USB Flash memory drive; however, please read the points below to avoid errors:

- The image file extension must be .JPG (Other image file extensions like .JPEG, .TIF, .GIF and so on will not be recognized).
- PhotoCapture Center<sup>™</sup> printing must be performed separately from PhotoCapture Center<sup>™</sup> operations using the PC. (Simultaneous operation is not available.)
- IBM Microdrive<sup>™</sup> is not compatible with the machine.
- The machine can read up to 999 files on a memory card or USB Flash memory drive.
- CompactFlash<sup>®</sup> Type II is not supported.
- This product supports xD-Picture Card<sup>TM</sup> Type M / Type M<sup>+</sup> / Type H (Large Capacity).
- The DPOF file on the memory cards must be in a valid DPOF format. (See *DPOF printing* on page 88.)

Please be aware of the following:

- When printing Print Index or Print Images, the PhotoCapture Center™ will print all the valid images, even if one or more images have been corrupted. Corrupted images will not be printed.
- (memory card users)

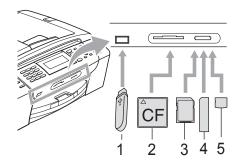
Your machine is designed to read memory cards that have been formatted by a digital camera.

When a digital camera formats a memory card it creates a special folder into which it copies image data. If you need to modify the image data stored on a memory 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 memory 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.

(USB Flash memory drive users)
This machine supports USB Flash memory drives that have been formatted by Windows<sup>®</sup>.

## **Getting started**

Firmly put a memory card or USB Flash memory drive into the correct slot.



- 1 USB Flash memory drive
- 2 CompactFlash®
- 3 SD, SDHC
- 4 Memory Stick<sup>®</sup>, Memory Stick Pro™
- 5 xD-Picture Card™

### **A** CAUTION

The USB direct interface supports only a USB Flash memory drive, a PictBridge compatible camera, or a digital camera that uses the USB mass storage standard. Any other USB devices are not supported.

#### Photo Capture key indications:



- Photo Capture light is on, the memory card or USB Flash memory drive is correctly inserted.
- Photo Capture light is off, the memory card or USB Flash memory drive is not correctly inserted.
- Photo Capture light is blinking, memory card or USB Flash memory drive is being read or written to.

### **A** CAUTION

DO NOT unplug the power cord or remove the media from the media drive (slot) or USB direct interface while the machine is reading or writing to the media (the Photo Capture key is blinking). You will lose your data or damage the card.

The machine can only read one device at a time.

### 12

## **Entering PhotoCapture mode**

After you insert the memory card or USB Flash memory drive, press the

(Photo Capture) key to illuminate it in blue and display the PhotoCapture options on the LCD.

The LCD shows:



Press ▲ or ▼ to scroll through the PhotoCapture key options.

- View Photo(s) (See page 81.)
- Print Index (See page 82.)
- Print Photos (See page 83.)
- Enhance Photos (See page 83.)
- Search by Date (See page 86.)
- Print All Photos (See page 87.)
- Slide Show (See page 87.)
- Trimming (See page 88.)



If your digital camera supports DPOF printing, see *DPOF printing* on page 88.

When the option you want is highlighted, press **OK**.

## **Print Images**

### **A** CAUTION

Picture files cannot be previewed, printed, and searched when the folder is named in Chinese. Use alphabet and/or numbers for the folder name.

## View Photo(s)

You can preview your photos on the LCD before you print them. If your photos are large files there may be a delay before each photo is displayed on the LCD.

- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.
  - Press (Photo Capture).
- Press ▲ or ▼ to choose
   View Photo(s).
  Press OK.
- 3 Press ◀ or ▶ to choose your photo.



Instead of scrolling through your photos, you can use the dial pad to enter the number of the image from the index page. (See *Print Index (Thumbnails)* on page 82.)

- Press ▲ or ▼ to increase or decrease the number of copies.
- 5 Repeat step 3 and step 4 until you have chosen all the photos.



Press **Clear/Back** to go back to the previous level.

- 6 After you have chosen all the photos, do one of the following:
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

## **Print Index (Thumbnails)**

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



The PhotoCapture Center™ uses these numbers to identify each picture. You can print a thumbnail page to show all the pictures on the memory card or USB Flash memory drive.



- Only file names that are 8 characters or less will be printed correctly on the index sheet.
- File names cannot be printed correctly if they are Chinese. However it does not affect any functions.
- 1 Make sure you have put the memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

Press A or V to choose Print Index. Press OK. 3 Press A or V to choose
Layout Format. Press ∢ or ▶ to
choose 6 Images/Line or
5 Images/Line.
Press OK.





6 Images/Line

5 Images/Line

Print time for 5 Images/Line will be slower than 6 Images/Line, but the quality is better.

- Do one of the following:
  - Press ▲ or ▼ to choose
     Paper Type, and press ◀ or ▶ to
     choose the type of paper you are
     using, Plain Paper,
     Inkjet Paper, Brother BP71 or
     Other Glossy.

#### Press OK.

■ Press A or V to choose Paper Size and press I or b to choose the paper size you are using, A4 or Letter.

Press OK.

- If you do not want to change the paper settings, go to 6.
- Press Color Start to print.

### **Printing Photos**

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

Make sure you have put a memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

- 2 Print the Index. (See *Print Index* (Thumbnails) on page 82.)
- 3 Press A or ▼ to choose Print Photos. Press OK.
- Enter the image number that you want to print, from the thumbnails printed on the Index page. Press OK.
- 5 Repeat step 4 until you have entered the image numbers that you want to print.



- You can enter the numbers at one time by using the \* key for a comma or the # key for a hyphen. For example, Enter 1, \*, 3, \*, 6 to print images No.1, No.3 and No.6. Enter 1, #, 5 to print images No.1 to No.5.
- You can enter up to 12 characters (including commas) for the image numbers you want to print.
- 6 After you have chosen the image numbers, press **OK** again.
- Enter the number of copies you want using the dial pad.
- Oo one of the following:
  - Change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### **Enhance Photos**

You can edit and add effects to your photos and view them on the LCD before printing.



- · After adding each effect, you can enlarge the view of the image by pressing \*. To go back to the original size, press \* again.
- The Enhance Photos feature is supported by technology from Reallusion, Inc.



#### **Auto Correct**

Auto Correct is available for most photos. The machine decides the suitable effect for your photo.

Make sure you have put a memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

- Press ▲ or ▼ to choose Enhance Photos. Press OK.
- 3 Press ◀ or ▶ to choose your photo. Press OK.
- Press ▲ or ▼ to choose Auto Correct. Press OK.
- 5 Press **OK** and **▲** or **▼** to increase or decrease the number of copies.
- Do one of the following.
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.



If Remove Red-Eye appears on the LCD, press # to attempt to remove red-eye from your photo.

#### **Enhance Skin-Tone**

Enhance Skin-Tone is best used for adjusting portrait photographs. It detects human skin color in your photos and adjusts the image.

1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

- Press ▲ or ▼ to choose
  Enhance Photos.
  Press OK.
- 3 Press ◀ or ▶ to choose your photo. Press OK.
- 4 Press A or ▼ to choose
  Enhance Skin-Tone.
  Press OK.
- 5 Do one of the following:
  - Press **OK** if you do not want to change any settings.
  - Press A or V to adjust the effect level manually.

Press **OK** when you have finished.

- 6 Press ▲ or ▼ to increase or decrease the number of copies.
- 7 Do one of the following.
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### **Enhance Scenery**

Enhance Scenery is best used for adjusting landscape photographs. It highlights green and blue areas in your photo, so that the landscape looks more sharp and vivid.

1 Make sure you have put the memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

Press ▲ or ▼ to choose
Enhance Photos.
Press OK.

- 3 Press ◀ or ▶ to choose your photo. Press OK.
- 4 Press A or V to choose Enhance Scenery. Press OK.
- 5 Do one of the following:
  - Press **OK** if you do not want to change any settings.
  - Press or to adjust the effect level manually.

Press **OK** when you have finished.

- 6 Press ▲ or ▼ to increase or decrease the number of copies.
- Do one of the following.
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### Remove Red-Eye

The machine detects eyes in your photos and will attempt to remove red-eye from your photo.



There are some cases when red-eye may not be removed.

- When the face is too small in the image.
- When the face is turning too far up, down, left or right.
- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

- Press A or ▼ to choose Enhance Photos. Press OK.
- Press ◀ or ▶ to choose your photo.
  Press **OK**.
- 4 Press A or V to choose
  Remove Red-Eye.
  Press OK.
  - When Remove Red-Eye is successful, the photo with the effect is shown. The adjusted part is shown in a red frame.
  - When Remove Red-Eye is unsuccessful,
    Unable to Detect. is shown.

Press **OK** to go back to the previous level.



Press # to try Remove Red-Eye once again.

Press OK and ▲ or ▼ to increase or decrease the number of copies.

- 6 Do one of the following.
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### Monochrome

You can convert your photo to monochrome.

1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

- 2 Press A or V to choose Enhance Photos. Press OK.
- 3 Press ◀ or ▶ to choose your photo. Press OK.
- 4 Press ▲ or ▼ to choose Monochrome.

  Press OK.
- 5 Press OK and ▲ or ▼ to increase or decrease the number of copies.
- 6 Do one of the following.
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### Sepia

You can convert the color of your photo to sepia.

1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.

Press (Photo Capture).

- Press A or V to choose
  Enhance Photos.
  Press OK.
- 3 Press ◀ or ▶ to choose your photo. Press OK.
- 4 Press A or V to choose Sepia.
  Press OK.
- Press OK and ▲ or ▼ to increase or decrease the number of copies.
- 6 Do one of the following.
  - Press OK and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

### Search by Date

You can find your photos based on date.

- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.
  - Press (Photo Capture).
- Press ▲ or ▼ to choose
  Search by Date.
  Press OK.
- 3 Press ▲ or ▼ to choose the date that you want to search from.
  Press OK.
- Press ◀ or ▶ to choose your photo.



You can view photos with other dates by pressing ◀ or ▶ continuously. Press ◀ to view an older photo and ▶ to view a more recent photo.

- 5 Press ▲ or ▼ to increase or decrease the number of copies.
- 6 Repeat step 4 and step 5 until you have chosen all your photos.
- 7 After you have chosen all your photos, do one of the following:
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### **Print All Photos**

You can print all the photos on your memory card or USB Flash memory drive.

- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.
  - Press (Photo Capture).
- Press ▲ or ▼ to choose
  Print All Photos.
  Press OK
- 3 Enter the number of copies you want using the dial pad.
- Do one of the following:
  - Change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

#### Slide show

You can view all your photos on the LCD using Slide Show. You can also choose a photo during the operation.

- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.
  - Press (Photo Capture).
- Press A or ▼ to choose Slide Show. Press OK.
- 3 Press Stop/Exit to finish Slide show.

#### Printing a photo during a Slide show

- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.
  - Press (Photo Capture).
- Press ▲ or ▼ to choose Slide Show.
  Press OK.
- Press **OK** to stop at one image while Slide show is operating.
- Press ▲ or ▼ to increase or decrease the number of copies.
- 5 Do one of the following:
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

### **Trimming**

You can trim your photo and print a part of the image.



If your photo is very small or of irregular proportions you may not be able to trim the photo. The LCD will display

Image Too Small. or
Image Too Long..

- 1 Make sure you have put a memory card or USB Flash memory drive in the correct slot.
  - Press (Photo Capture).
- Press ▲ or ▼ to choose Trimming.
  Press OK.
- Press ◀ or ▶ to choose your photo. Press OK.
- 4 Adjust the red frame around your photo. The part inside of the red frame will be printed.
  - Press \* or # to enlarge or reduce the frame size.
  - Press each arrow key to move the position of the frame.
  - Press 0 to rotate the frame.
  - Press **OK** when you have finished adjusting the frame setting.
- 5 Press ▲ or ▼ to increase or decrease the number of copies.
- 6 Do one of the following:
  - Press **OK** and change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.

### **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 choose on the digital camera display the images and number of copies you want to print.

When a memory card containing DPOF information is put into your machine, you can print the chosen image easily.

- 1 Make sure you have put a memory card in the correct slot.
  - Press (Photo Capture). The machine will ask you if you want to use DPOF setting.

The DPOF file on the memory card must be in a valid DPOF format.

- Press 1 to choose Yes.
- 3 Do one of the following:
  - Change the print settings. (See page 89.)
  - If you do not want to change any settings, press Color Start to print.



An Invalid DPOF File error can occur if the print order that was created on the camera has been corrupted. Delete and recreate the print order using your camera to correct this problem. For instructions on how to delete or recreate the print order, refer to your camera manufacturer's support website or accompanying documentation.

## PhotoCapture Center™ print settings

You can change the print settings temporarily.

The machine returns to its default settings after 3 minutes, or if the Mode Timer returns the machine to Fax mode. (See *Mode Timer* on page 22.)



You can save the print settings you use most often by setting them as the default. (See Setting your changes as a new default on page 93.)



#### 1 No. of prints

(For View Photo(s), Search by Date, Slide Show)

You can see the total number of photos that will be printed.

(For Print All Photos, Print Photos, Enhance Photos, Trimming)

You can see the number of copies of each photo that will be printed.

(For DPOF printing) This does not appear.

Menu Selections	Options 1	Options 2	Page
Print Quality	Normal/Photo	_	90
(Not available for DPOF printing)			
Paper Type	Plain Paper/Inkjet Paper/	_	90
	Brother BP71/Other Glossy		
Paper Size	10x15cm/13x18cm/A4/Letter	(When A4 or Letter is chosen)	91
		8 x 10cm/ 9 x 13cm/ 10 x 15cm/13 x 18cm/ 15 x 20cm/Max. Size	
Brightness	<b>■</b> 0 Dark Light ■	_	91
(Not available when Enhance Photos is chosen)			
Contrast	<b>∢</b> +▶	_	91
(Not available when Enhance Photos is chosen)			

Menu Selections	Options 1	Options 2	Page
Color Enhance	On/Off	_	91
(Not available when Enhance Photos is chosen)	White Balance  do-'		
Cropping	On/Off	_	92
Borderless	On/Off	_	93
Date Print (Not available for DPOF printing)	On/Off	_	93
Set New Default	Yes/No	_	93
Factory Reset	Yes/No	_	93

## **Print Speed and Quality**

- 1 Press ▲ or ▼ to choose Print Quality.
- Press ◀ or ▶ to choose Normal or
  Photo.
  Press OK.
- If you do not want to change additional settings, press **Color Start** to print.

## **Paper options**

### **Paper Type**

- 1 Press ▲ or ▼ to choose Paper Type.
- Press ◀ or ▶ to choose the paper type
  you are using, Plain Paper,
  Inkjet Paper, Brother BP71 or
  Other Glossy.
  Press OK.
- If you do not want to change additional settings, press **Color Start** to print.

#### Paper and print size

- 1 Press ▲ or ▼ to choose Paper Size.
- Press ◀ or ▶ to choose the paper size you are using, 10x15cm, 13x18cm, A4 or Letter.

Press **OK**.

3 If you chose A4 or Letter, press ◀ or ► to choose the Print Size.

Press OK.

Example: Printed Position for A4 paper		
1	2	3
8 x 10cm	9 x 13cm	10 x 15cm
4	5	6
13 x 18cm	15 x 20cm	Max. Size

4 If you do not want to change additional settings, press **Color Start** to print.

## Adjusting Brightness, Contrast and Color

#### **Brightness**

- 1 Press ▲ or ▼ to choose Brightness.
- Press ◀ or ▶ to make a darker or lighter print.
  Press OK.
- If you do not want to change additional settings, press **Color Start** to print.

#### Contrast

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

- 1 Press ▲ or ▼ to choose Contrast.
- Press ◀ or ▶ to change the contrast.
  Press **OK**.
- If you do not want to change additional settings, press **Color Start** to print.

#### Color Enhancement

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

- 1 Press A or V to choose Color Enhance. Press OK.
- 2 Do one of the following:
  - If you want to customize the
    White Balance, Sharpness or
    Color Density, press ◀ or ▶ to
    choose On, and then go to step ③.
  - If you do not want to customize, press ◀ or ▶ to choose Off.

Press **OK** and then go to step **6**.

- Press A or V to choose White Balance, Sharpness or Color Density.
- Press ◀ or ▶ to adjust the degree of the setting.
  Press OK.
- Do one of the following:
  - If you want to customize another color enhancement, press or vectoose another option.
  - If you want to change other settings, press ▲ or ▼ to choose Exit, and then press OK.
- 6 If you do not want to change additional settings, press **Color Start** to print.



#### White Balance

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

#### Sharpness

This setting enhances the detail of an image, 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.

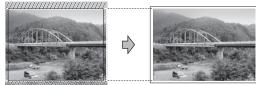
### Cropping

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

The factory setting is On. If you want to print the whole image, turn this setting to Off. If you are also using the Borderless setting, turn Borderless to Off. (See *Borderless printing* on page 93.)

- 1 Press ▲ or ▼ to choose Cropping.
- Press ◀ or ▶ to choose Off (or On). Press OK.
- If you do not want to change additional settings, press **Color Start** to print.

Cropping: On



Cropping: Off



#### 12

### **Borderless printing**

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

- 1 Press ▲ or ▼ to choose Borderless.
- Press ◀ or ▶ to choose Off (or On).
  Press OK.
- If you do not want to change additional settings, press **Color Start** to print.

#### **Date Print**

You can print the date if it is already in the data on your photo. The date will be printed on the lower right corner. If the data doesn't have the date information, you cannot use this function.

- Press ▲ or ▼ to choose Date Print.
- Press ◀ or ▶ to choose On (or Off).
  Press OK.
- If you do not want to change additional settings, press **Color Start** to print.



The DPOF setting on your camera must be turned off to use the Date Print feature.

## Setting your changes as a new default

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

- Press ▲ or ▼ to choose your new setting. Press OK. Repeat this step for each setting you want to change.
- 2 After changing the last setting, press

  ▲ or ▼ to choose Set New Default.

  Press OK.
- 3 Press 1 to choose Yes.
- 4 Press Stop/Exit.

## Restoring all settings to the factory settings

You can restore all the settings you have changed to the factory settings. These settings will stay until you change them again.

- 1 Press A or V to choose Factory Reset. Press OK.
- 2 Press 1 to choose Yes.
- 3 Press Stop/Exit.

# Scan to a memory card or USB Flash memory drive

### **Entering Scan mode**

When you want to scan to a memory card or USB Flash memory drive, press



The LCD shows:



Press A or V to choose Scan to Media.

#### Press OK.

If you are not connected to your computer only the Scan to Media selection will appear on the LCD.

(See *Scanning* for Windows<sup>®</sup> or Macintosh<sup>®</sup> in the Software User's Guide on the CD-ROM for details about the other menu options.)

## How to scan to a memory card or USB Flash memory drive

You can scan monochrome and color documents onto a memory card or USB Flash memory drive. Monochrome documents will be stored in PDF (\*.PDF) or TIFF (\*.TIF) file formats. Color documents may be stored in PDF (\*.PDF) or JPEG (\*.JPG) file formats. The factory setting is Color 150 dpi and the default file format is PDF. The machine automatically creates file names based on the current date. (For details, see the Quick Setup Guide.) For example, the fifth image scanned on July 1, 2009 would be named 01070905.PDF. You can change the color and quality.

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

Insert a CompactFlash<sup>®</sup>, Memory Stick<sup>®</sup>, Memory Stick Pro<sup>™</sup>, SD, SDHC, xD-Picture Card<sup>™</sup> or USB Flash memory drive into your machine.

### **A** CAUTION

DO NOT take out the memory card or USB Flash memory drive while **Photo Capture** is blinking to avoid damaging the card, USB Flash memory drive or data stored on the card.

- 2 Load your document.
- 3 Press ≥ (Scan).
- 4 Press A or V to choose Scan to Media. Press OK.

- Do one of the following:
  - To change the quality, press A or V to choose Quality.

Go to step 6.

- Press Mono Start or Color Start to start scanning without changing additional settings.
- Press ◀ or ▶ to choose
  Color 150 dpi, Color 300 dpi,
  Color 600 dpi, B/W 200x100 dpi
  or B/W 200 dpi.
  Press OK.
- 7 Do one of the following:
  - To change the file type, go to step 8.
  - Press Mono Start or Color Start to start scanning without changing additional settings.
- 8 Press A or V to choose File Type.
  Press d or V to choose JPEG, PDF or
  TIFF.
  Press OK.



- If you chose color in the resolution setting, you cannot choose TIFF.
- If you chose monochrome in the resolution setting, you cannot choose JPEG.
- 9 Do one of the following:
  - To change the file name, go to step **(0**.
  - Press Mono Start or Color Start to start scanning without changing additional settings.

The file name is set automatically however, you can set a name of your choice using the dial pad.

Press ▲ or ▼ to choose File Name.

Enter the new name. (See Entering Text on page 160.)

You can only change the first 6 characters.

Press OK.



Press **Clear/Back** to delete the current name.

11 Press Mono Start or Color Start.

### How to change the file name

You can change the file name.

- 1 Press (Scan).
- Press A or ▼ to choose Scan to Media. Press OK.
- 3 Press A or V to choose File Name.
- 4 Enter the new name using the dial pad. You can only change the first 6 digits. (See *Entering Text* on page 160.)

## How to set a new default

You can set your own default setting.

- 1 Press (Scan).
- Press ▲ or ▼ to choose
  Scan to Media.
  Press OK.
- 3 Press ▲ or ▼ to choose
  Set New Default. Press OK and 1 to choose Yes.
- 4 Press Stop/Exit.

## How to reset to factory settings

You can restore the machine to factory settings.

- 1 Press (Scan).
- 2 Press ▲ or ▼ to choose
  Scan to Media.
  Press OK
- 3 Press ▲ or ▼ to choose
  Factory Reset. Press OK and 1 to
  choose Yes.
- 4 Press Stop/Exit.

# **Understanding the Error Messages**

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

■ Hub is Unusable.

This message will appear if a Hub or USB Flash memory drive with a Hub has been put into the USB direct interface.

■ Media Error

This message will appear if you put in a memory 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 memory card.

■ No File

This message will appear if you try to access a memory card or USB Flash memory drive 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. This message will also appear when a memory card or USB Flash memory drive you are using does not have enough space available for the scanned document.

■ Media is Full.

This message will appear if you are trying to save more than 999 files in a memory card or USB Flash memory drive.

■ Unusable Device

This message will appear if a USB device or USB Flash memory drive that is not supported has been connected to the USB direct interface. For more information, visit us at <a href="http://solutions.brother.com">http://solutions.brother.com</a>. This message will also appear if you connect a broken device to the USB direct interface.

## Printing photos from a camera

## Printing photos directly from a PictBridge camera



Your Brother machine supports the PictBridge standard, allowing you to connect to and print photos directly from any PictBridge compatible digital camera.

If your camera is using the USB Mass Storage standard, you can also print photos from a digital camera without PictBridge.(See Printing photos directly from a digital camera (without PictBridge) on page 99.)

### PictBridge requirements

To avoid errors, remember the following points:

- The machine and the digital camera must be connected using a suitable USB cable.
- The image file extension must be .JPG (other image file extensions like .JPEG, .TIF, .GIF and so on will not be recognized).
- PhotoCapture Center<sup>™</sup> operations are not available when using the PictBridge feature.

## Setting your digital camera

Make sure your camera is in PictBridge mode. Some of the settings listed below may not be available for your PictBridge compatible digital camera.

Camera Menu Selections	Options
Paper Size	Letter, A4, 10x15cm, Printer
	Settings (Default setting) <sup>2</sup>
Paper Type	Plain Paper, Glossy Paper, Inkjet Paper, Printer Settings (Default setting) <sup>2</sup>
Layout	Borderless: On, Borderless: Off, Printer Settings (Default
	setting) <sup>2</sup>
DPOF setting <sup>1</sup>	-
Print Quality	Normal, Fine,
	Printer Settings (Default
	setting) <sup>2</sup>
Color	On, Off,
Enhancement	Printer Settings (Default
	setting) <sup>2</sup>
Date Print	On, Off,
	Printer Settings (Default
	setting) <sup>2</sup>

- See DPOF printing on page 98 for more details.
- If your camera is set to use the Printer Settings (Default setting), the machine will print your photo using the following settings.

Settings	Options
Paper Size	10x15cm
Paper Type	Other Glossy
Layout	Borderless: On
Print Quality	Photo
Color Enhancement	Off
Date Print	Off

- When your camera does not have any menu selections, these settings are also used.
- The names and availability of each setting depends on the specification of your

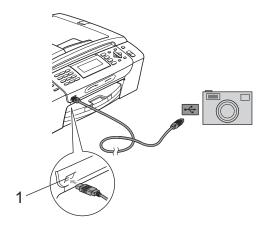
Please refer to the documentation supplied with your camera for more detailed information on changing PictBridge settings.

### **Printing Images**



Remove any memory cards or USB Flash memory drive from the machine before connecting a digital camera.

1 Make sure that your camera is turned off. Connect your camera to the USB direct interface (1) on the machine using the USB cable.



#### 1 USB direct interface

- 2 Turn on the camera.
  When the machine has recognized the camera, the LCD shows
  Camera Connected.
- Choose the photo you want to print following the instructions from your camera.

When the machine starts printing a photo, the LCD will show Printing.

## **A** CAUTION

To prevent damage to your machine, do not connect any device other than a digital camera or USB Flash memory drive to the USB direct interface.

### **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 choose on the digital camera display the images and number of copies you want to print.



An Invalid DPOF File error can occur if the print order that was created on the camera has been corrupted. Delete and recreate the print order using your camera to correct this problem. For instructions on how to delete or recreate the print order, refer to your camera manufacturer's support website or accompanying documentation.

## **Printing photos** directly from a digital camera (without PictBridge)

If your camera supports the USB Mass Storage standard, you can connect your camera in storage mode. This enables you to print photos from your camera.

(If you would like to print photos in PictBridge mode, see Printing photos directly from a PictBridge camera on page 97.)



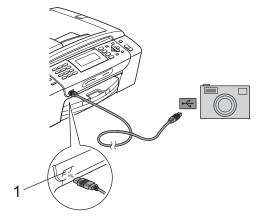
The name, availability and operation differ among digital cameras. Please refer to the documentation supplied with your camera for detailed information, such as how to switch from PictBridge mode to USB mass storage mode.

### **Printing Images**



Remove any memory cards or USB Flash memory drive from the machine before connecting a digital camera.

Make sure that your camera is turned off. Connect your camera to the USB direct interface (1) on the machine using the USB cable.



#### **USB** direct interface

- Turn on the camera.
- Follow the steps in Print Images on page 81.

## **A** CAUTION

To prevent damage to your machine, do not connect any device other than a digital camera or USB Flash memory drive to the USB direct interface.

# **Understanding the Error Messages**

Once you are familiar with the types of errors that can occur while you are printing from a camera, you can easily identify and troubleshoot any problems.

■ Out of Memory

This message will appear if you are working with images that are too large for the machine's memory.

■ Unusable Device

This message will appear if you connect a camera which is not using the USB Mass Storage standard. This message will also appear if you connect a broken device to the USB direct interface.

(For more detailed solutions see *Error and Maintenance messages* on page 121.)

# **Section V**



# **Software**

**Software and Network features** 

102

## Software and Network features

The CD-ROM includes the Software User's Guide and Network User's Guide for features available when connected to a computer (for example, printing and scanning). These guides have easy to use links that, when clicked, will take you directly to a particular section.

You can find information on these features:

- Printing
- Scanning
- ControlCenter3 (for Windows®)
- ControlCenter2 (for Macintosh<sup>®</sup>)
- Remote Setup
- Faxing from your computer
- PhotoCapture Center™
- Network Printing
- Network Scanning
- Wired and Wireless Network

#### How to read HTML User's Guide

This is a quick reference for using the HTML User's Guide.

#### For Windows®



If you have not installed the software, see *Viewing Documentation* on page 3.

- 1 From the Start menu, point to Brother, MFC-XXXX (where XXXX is your model number) from the programs group, then click User's Guides in HTML format.
- Click SOFTWARE USER'S GUIDE (or NETWORK USER'S GUIDE) from the top menu.



Click the heading you would like to view from the list at the left of the window.



#### For Macintosh®

- 1 Make sure your Macintosh® is turned on. Insert the Brother CD-ROM into your CD-ROM drive.
- 2 Double-click the **Documentation** icon.
- 3 Double-click your language folder, and then double-click top.html file.
- 4 Click SOFTWARE USER'S GUIDE (or NETWORK USER'S GUIDE) in the top menu, and then click the heading you would like to read from the list at the left of the window.



# **Section VI**

# **Appendixes**

Safety and Legal	104
Troubleshooting and Routine Maintenance	114
Menu and Features	142
Specifications	161
Glossary	176

# A

# Safety and Legal

### Choosing a location

Put your machine on a flat, stable surface that is free of vibration and shocks, such as a desk. Put the machine near a telephone socket and a standard grounded electrical socket. Choose a location where the temperature remains between 10° C and 35° C.

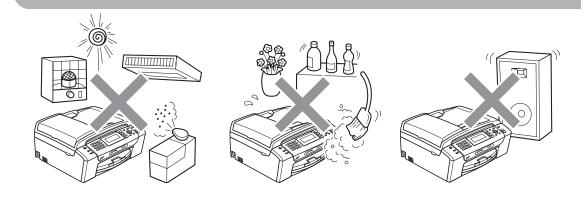
#### WARNING

DO NOT put the machine near heaters, air conditioners, refrigerators, medical equipment, chemicals or water.

DO NOT connect your machine to electrical sockets on the same circuit as large appliances or other equipment that might disrupt the power supply.

#### **A** CAUTION

- Avoid placing your machine in a high-traffic area.
- · Avoid placing your machine on a carpet.
- DO NOT expose the machine to direct sunlight, excessive heat, moisture, or dust.
- DO NOT connect your machine to electrical sockets controlled by wall switches or automatic timers.
- Disruption of power can wipe out information in the machine's memory.
- Avoid interference sources, such as other cordless telephone systems or speakers.
- DO NOT tip the machine, or place it on any tilted surface. Doing this may cause ink spillage and internal damage to your machine.



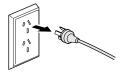
## To use the machine safely

Please keep these instructions for later reference and read them before attempting any maintenance.

#### WARNING



There are high voltage electrodes inside the machine. Before you clean the inside of the machine, make sure you have unplugged the telephone line cord first and then the power cord from the electrical socket. Doing this will prevent an electrical shock.





DO NOT handle the plug with wet hands. Doing this might cause an electrical shock.



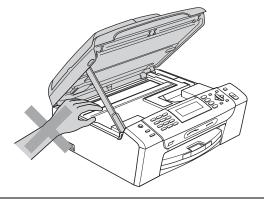


DO NOT pull on the middle of the AC power cord. Doing this might cause an electrical shock.



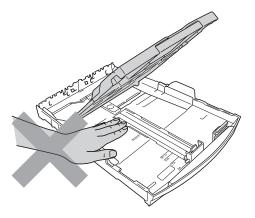
DO NOT put your hands on the edge of the machine under the document cover or the scanner cover. Doing this may cause injury.





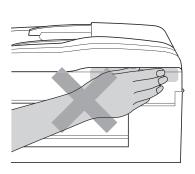


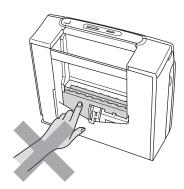
DO NOT put your hands on the edge of the paper tray under the paper tray cover. Doing this may cause injury.



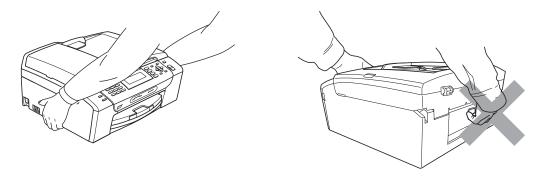


DO NOT touch the area shaded in the illustration. Doing this may cause injury.





When moving the machine you must lift it from the base, by placing a hand at each side of the unit as shown in the illustration. DO NOT carry the machine by holding the scanner cover or the Jam clear cover.





DO NOT use flammable substances, any type of spray, liquid or aerosol cleaners to clean the inside or outside of the machine. Doing this may cause a fire or electrical shock.





If the machine becomes hot, releases smoke, or generates any strong smells, immediately unplug the machine from the electrical socket. Call your Brother dealer or Brother Customer Service.



If metal objects, water or other liquids get inside the machine, immediately unplug the machine from the electrical socket. Call your Brother dealer or Brother Customer Service.

A



Use caution when installing or modifying telephone lines. Never touch telephone wires or terminals that are not insulated unless the telephone line has been unplugged at the wall socket. Never install telephone wiring during a lightning storm. Never install a telephone wall socket in a wet location.



This product must be installed near an electrical socket that is easily accessible. In case of an emergency, you must unplug the power cord from the electrical socket to shut off the power completely.



This product should be connected to an AC power source within the range indicated on the rating label. DO NOT connect it to a DC power source or inverter. If you are not sure, contact a qualified electrician.



Always make sure the plug is fully inserted.



DO NOT use the machine if the power cord is frayed or damaged, doing so may cause a fire.



When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to people, including the following:

- 1 DO NOT use this product near water, for example, near a bath tub, wash bowl, kitchen sink or washing machine, in a wet basement or near a swimming pool.
- 2 Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- 3 DO NOT use this product to report a gas leak in the vicinity of the leak.
- 4 DO NOT dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

### **Important Information**

#### **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 wall outlet before cleaning the outside of the machine and the scanner glass. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 5 Do not place this product near water.
- 6 Do not place this product on an unstable cart, stand, or table. The product may drop, 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 on 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 connected to an AC power source within the range indicated on the rating label. Do NOT connect it to a DC power source. If you are not sure, contact a qualified electrician.
- 9 This product is equipped with a 3-wire grounding type plug, a plug having three pins. This plug will only fit into only a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
- 10 Do not place anything on top of the power cord including this machine. Do not allow the power cord to be stepped on.
- 11 If an extension cord is used with this product, make sure that the total ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating.
- 12 Do not place anything in front of the machine that will block received faxes. Do not place anything in the path of received faxes.
- 13 Do not touch a document during printing.
- 14 Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in the risk of fire or electric shock. Never spill liquid of any kind on the product.
- 15 Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points and/or other risks, and may void your warranty. Please refer all servicing to our Authorized Service Personnel. A list of Authorized Service Centres has been included for your convenience, or you may contact the Brother Dealer for Service.

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- 16 Unplug this product from the wall outlet and refer servicing to Authorized Service Personnel under the following conditions:
  - If the power cord is damaged or frayed.
  - If the product has been spilled by liquid.
  - 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.
- 17 To protect your product against power surges, we recommend the use of a power protection device (Surge Protector).

#### WARNING

For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

This equipment may not be used on coin service lines provided by the telephone company or connected to party lines.

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-For Your Safety**

To ensure safe operation, the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively grounded through the normal household wiring.

Extension cords used with the equipment must be three-conductor and be correctly wired to provide connection to ground. Incorrectly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power is grounded and that the installation is completely safe. For your safety, if in any doubt about the effective grounding of the power, consult a qualified electrician.

#### **Disconnect device**

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

#### **LAN** connection

### **A** CAUTION

DO NOT connect this product to a LAN connection that is subject to over-voltages.

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# **Troubleshooting and Routine Maintenance**

### **Troubleshooting**

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

Most problems can be easily resolved by yourself. If you need additional help, the Brother Solutions Center offers the latest FAQs and troubleshooting tips. Visit us at http://solutions.brother.com.

#### If you are having difficulty with your machine

#### **Printing**

Difficulty	Suggestions
No printout	Check the interface cable on both the machine and your computer. (See the Quick Setup Guide.)
	Make sure the machine is plugged in and not in Power Save mode.
	One or more ink cartridges are empty. (See Replacing the ink cartridges on page 131.)
	Check to see if the LCD is showing an error message. (See <i>Error and Maintenance messages</i> on page 121.)
	If the LCD says Cannot Print and Replace Ink, see Replacing the ink cartridges on page 131.
	Check that the correct printer driver has been installed and chosen.
	Make sure that the machine is online. Click <b>Start</b> and then <b>Printers and Faxes</b> . <b>Brother MFC-XXXX</b> (where XXXX is your model name), and make sure that <b>Use Printer Offline</b> is unchecked.
	When you choose the <b>Print Odd Pages</b> and <b>Print Even Pages</b> settings, you may see a print error message on your computer, as the machine pauses during the printing process. The error message will disappear after the machine re-starts printing.
Poor print quality	Check the print quality. (See Checking the print quality on page 137.)
	Make sure that the Media Type setting in the printer driver or the Paper Type setting in the machine's menu matches the type of paper you are using. (See
	Printing for Windows <sup>®</sup> or Printing and Faxing for Macintosh <sup>®</sup> in the Software User's Guide on the CD-ROM and Paper Type on page 22.)
	Make sure that your ink cartridges are fresh. The following may cause ink to clog:
	The expiration date written on the cartridge package has passed. (Brother original cartridges stay usable for up to two years if kept in their original packaging.)
	■ The ink cartridge was in your machine over six months.
	■ The ink cartridge may not have been stored correctly before use.
	Try using the recommended types of paper. (See Acceptable paper and other print media on page 15.)
	The recommended environment for your machine is between 20° C to 33° C.

#### Printing (continued)

Difficulty	Suggestions
White horizontal lines appear in text or graphics.	Clean the print head. (See Cleaning the print head on page 136.)
	Make sure you are using Brother Original Innobella™ ink.
	Try using the recommended types of paper. (See Acceptable paper and other print media on page 15.)
The machine prints blank pages.	Clean the print head. (See Cleaning the print head on page 136.)
	Make sure you are using Brother Original Innobella™ ink.
Characters and lines are stacked.	Check the printing alignment. (See Checking the print alignment on page 138.)
Printed text or images are skewed.	Make sure the paper is loaded correctly in the paper tray and the paper side guides are adjusted correctly. (See <i>Loading paper and other print media</i> on page 9.)
	Make sure the Jam Clear Cover is closed correctly.
Smudged stain at the top centre of the printed page.	Make sure the paper is not too thick or curled. (See <i>Acceptable paper and other print media</i> on page 15.)
Smudged stain at the right or left corner of the printed page.	Make sure the paper is not curled when you print on the back side of the paper with the <b>Print Odd Pages</b> and <b>Print Even Pages</b> settings.
Printing appears dirty or ink seems to run.	Make sure you are using the recommended types of paper. (See <i>Acceptable paper and other print media</i> on page 15.) Don't handle the paper until the ink is dry.
	Make sure you are using Brother Original Innobella™ ink.
	If you are using photo paper, make sure that you have set the correct paper type. If you are printing a photo from your PC, set the <b>Media Type</b> in the <b>Basic</b> tab of the printer driver.
Stains appear on the reverse side	Make sure you are using Brother Original Innobella™ ink.
or at the bottom of the page.	Make sure the printer platen is not dirty with ink. (See Cleaning the machine printer platen on page 135.)
	Make sure you are using the paper support flap. (See <i>Loading paper and other print media</i> on page 9.)
The machine prints dense lines on the page.	Check Reverse Order in the Basic tab of the printer driver.
The printouts are wrinkled.	In the printer driver Advanced tab, click Color Settings, and uncheck
	<b>Bi-Directional Printing</b> for Windows <sup>®</sup> or <b>Bi-Directional Printing</b> for Macintosh <sup>®</sup> .
	Make sure you are using Brother Original Innobella™ ink.
Cannot perform 'Page Layout' printing.	Check that the paper size setting in the application and in the printer driver are the same.
Print speed is too slow.	Try changing the printer driver setting. The highest resolution needs longer data processing, sending and printing time. Try the other quality settings in the printer driver <b>Advanced</b> tab. Also, click <b>Color Settings</b> , and make sure you uncheck <b>Color Enhancement</b> .
	Turn the borderless feature off. Borderless printing is slower than normal printing.
	(See <i>Printing</i> for Windows <sup>®</sup> or <i>Printing and Faxing</i> for Macintosh <sup>®</sup> in the Software User's Guide on the CD-ROM.)
Color Enhancement is not working correctly.	If the image data is not full color in your application (such as 256 color), Color Enhancement will not work. Use at least 24 bit color data with the Color Enhancement feature.

#### Printing (continued)

Difficulty	Suggestions
Photo paper does not feed properly.	When you print on Brother Photo paper, load one extra sheet of the same photo paper in the paper tray. An extra sheet has been included in the paper package for this purpose.
	Clean the paper pick-up roller. (See Cleaning the paper pick-up roller on page 136.)
Machine feeds multiple pages.	Make sure the paper is loaded correctly in the paper tray. (See Loading paper and other print media on page 9.)
	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 Loading paper and other print media on page 9.)

#### **Printing Received Faxes**

Difficulty	Suggestions
Condensed print and white streaks across the page or the top and bottom of sentences are cut off.	You probably had a bad connection, with static or interference on the telephone line. Ask the other party to send the fax again.
Vertical black lines when receiving.	The sender's scanner may be dirty. Ask the sender to make a copy to see if the problem is with the sending machine. Try receiving from another fax machine.
Received color fax prints only in black and white.	Replace the color ink cartridges that are empty or nearly empty, and then ask the other person to send the color fax again. (See <i>Replacing the ink cartridges</i> on page 131.)
Left and Right margins are cut off or a single page is printed on two pages.	Turn on Auto Reduction. (See <i>Printing a reduced incoming fax</i> on page 43.)

#### **Telephone Line or Connections**

Difficulty	Suggestions
Dialling does not work. (No dial tone)	Make sure the machine is plugged in and not in Power Save mode.
	Check the line cord connections.
	Change the Tone/Pulse setting. (See the Quick Setup Guide.)
	Lift the external telephone's handset, (or the machine's handset or cordless handset if available), and then dial the number to send a manual fax. Wait to hear fax receiving tones before pressing <b>Mono Start</b> or <b>Color Start</b> .
The machine does not answer when called.	Make sure the machine is in the correct receiving mode for your setup. (See Choose the Receive Mode on page 37.) Check for a dial tone. If possible, call your machine to hear it answer. If there is still no answer, check the telephone line cord connection. If there is no ringing when you call your machine, ask your telephone company to check the line.

#### **Receiving Faxes**

Difficulty	Suggestions
Cannot receive a fax.	Check all line cord connections.
	Make sure the machine is in the correct receiving mode for your setup. (See <i>Receive mode settings</i> on page 39.)
	If you often have interference on the telephone line, try changing the menu setting of Compatibility to Basic (for VoIP). (See <i>Telephone line interference</i> on page 120.)

#### **Sending Faxes**

Difficulty	Suggestions
Cannot send a fax.	Check all line cord connections.
	Make sure that the Fax key is illuminated. (See Entering Fax mode on page 30.)
	Ask the other party to check that the receiving machine has paper.
	Print the Transmission Verification Report and check for an error. (See <i>Reports</i> on page 62.)
Transmission Verification Report says 'Result:ERROR'.	There is probably temporary noise or static on the line. Try sending the fax again. If you send a PC FAX message and get 'Result:ERROR' on the Transmission Verification Report, your machine may be out of memory. To gain extra memory, you can turn off Memory Receive (see <i>Turning off Memory Receive Operations</i> on page 42), print fax messages in memory (see <i>Printing a fax from the memory</i> on page 44) or cancel a Delayed Fax or Polling Job (see <i>Cancelling a fax in progress</i> on page 31 or <i>Checking and cancelling waiting jobs</i> on page 35). If the problem continues, ask the telephone company to check your telephone line.
	If you often get transmission errors due to possible interference on the telephone line, try changing the menu setting of Compatibility to Basic (for VoIP). (See Telephone line interference on page 120.)
Poor fax send quality.	Try changing your resolution to Fine or S. Fine. Make a copy to check your machine's scanner operation. If the copy quality is not good, clean the scanner. (See <i>Cleaning the scanner glass</i> on page 135.)
Vertical black lines when sending.	Black vertical lines on faxes you send are typically caused by dirt or correction fluid on the glass strip. Clean the glass strip. (See <i>Cleaning the scanner glass</i> on page 135.)

#### **Handling Incoming Calls**

Difficulty	Suggestions
The machine 'Hears' a voice as a CNG Tone.	If Fax Detect is set to On, your machine is more sensitive to sounds. It may mistakenly interpret certain voices or music on the line as a fax machine calling and respond with fax receiving tones. Deactivate the machine by pressing <b>Stop/Exit</b> . Try avoiding this problem by turning Fax Detect to Off. (See <i>Fax Detect</i> on page 40.)
Sending a fax call to the machine.	If you answered on an external or extension telephone, press your Remote Activation Code (the factory setting is * 5 1 ). When your machine answers, hang up.

#### **Handling Incoming Calls (continued)**

Difficulty	Suggestions
Custom features on a single line.	If you have Call Waiting, Call Waiting/Caller ID, an alarm system or other custom feature on a single telephone line with your machine, it may create a problem sending or receiving faxes.
	For example: If you subscribe to Call Waiting or some other custom service and its signal comes through the line while your machine is sending or receiving a fax, the signal can temporarily interrupt or disrupt the faxes. Brother's ECM(Error Correction Mode) feature should help overcome this problem. This condition is related to the telephone system industry and is common to all devices that send and receive information on a single, shared line with custom features. If avoiding a slight interruption is crucial to your business, a separate telephone line with no custom features is recommended.

#### **Copying Difficulties**

Difficulty	Suggestions
Cannot make a copy.	Make sure that the Copy key is illuminated. (See Entering Copy mode on page 68.)
Poor copy results when using the ADF.	Try using the scanner glass. (See <i>Using the scanner glass</i> on page 19.)
Vertical black lines or streaks appear in copies.	Vertical black lines or streaks on copies are typically caused by dirt or correction fluid on the glass strip. Clean the glass strip. (See <i>Cleaning the scanner glass</i> on page 135.)
Fit to Page does not work properly.	Make sure the document is placed squarely on the scanner glass.

#### **Scanning Difficulties**

Difficulty	Suggestions
TWAIN/WIA errors appear when starting to scan.	Make sure the Brother TWAIN/WIA driver is chosen as the primary source. In Presto!® PageManager® with OCR, click <b>File</b> , <b>Select Source</b> and choose the Brother TWAIN/WIA driver.
Poor scanning results when using the ADF.	Try using the scanner glass. (See <i>Using the scanner glass</i> on page 19.)
OCR does not work.	Try increasing the scanner resolution.

#### **Software Difficulties**

Difficulty	Suggestions	
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.	
Cannot print images from FaceFilter Studio.	To use FaceFilter Studio, you must install the FaceFilter Studio application from the CD-ROM supplied with your machine. To install FaceFilter Studio see the Quick Setup Guide.	
	Also, before you start FaceFilter Studio for the first time, you must make sure your Brother machine is turned On, and connected to your computer. This will allow you to access all the functions of FaceFilter Studio.	

#### PhotoCapture Center™ Difficulties

Difficulty	Suggestions		
Removable Disk does not work	1 Have you installed the Windows <sup>®</sup> 2000 update? If not, do the following:		
correctly.	1) Unplug the USB cable.		
	2) Install the Windows <sup>®</sup> 2000 update using one of the following methods.		
	■ Install MFL-Pro Suite from the CD-ROM. (See the Quick Setup Guide.)		
	Download the latest service pack from the Microsoft Web site.		
	<ol> <li>Wait about 1 minute after you restart the PC, and then connect the USB cable.</li> </ol>		
	2 Take out the memory card or USB Flash memory drive and put it back in again.		
	3 If you have tried 'Eject' from within Windows <sup>®</sup> , take out the memory card or USB Flash memory drive before you continue.		
	4 If an error message appears when you try to eject the memory card or USB Flash memory drive, it means the card is being accessed. Wait a while and then try again.		
	5 If all of the above do not work, 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.)		
Cannot access Removable Disk from Desktop icon.	Make sure that you have correctly inserted the memory card or USB Flash memory drive.		
Part of my photo is missing when printed.	Make sure that Borderless Printing and Cropping are turned off. (See <i>Borderless printing</i> on page 93, and <i>Cropping</i> on page 92.)		

#### **Network Difficulties**

Difficulty	Suggestions	
Cannot print over the Network.	Make sure that your machine is powered on, is online and in Ready mode. Print a Network Configuration list (see <i>Reports</i> on page 62) and check the current Network settings printed in this list. Reconnect the LAN cable to the hub to verify that the cabling and network connections are good. If possible, try connecting the machine to a different port on your hub using a different cable. If the connections are good, the machine shows LAN Active for 2 seconds.	
	(If you are having Network problems, see the Network User's Guide for more information.)	
The network scanning feature does not work.	(For Windows <sup>®</sup> users only) Firewall settings on your PC may be rejecting the necessary network connection. Follow the instructions below to configure the Firewall. If you are using personal Firewall software, see the User's Guide for your software or contact the software manufacturer.	
The network PC-Fax Receive feature does not work.		
	For Windows® XP SP2 and Windows Vista® users, see <i>Firewall settings</i> in the Software User's Guide on the CD-ROM.	
	For Windows® XP SP1 users, please visit the Brother Solutions Center ( <a href="http://solutions.brother.com">http://solutions.brother.com</a> ).	
Your computer cannot find your	<windows<sup>® users&gt;</windows<sup>	
machine.	Firewall settings on you PC may be rejecting the necessary network connection. For detail, see the instruction above.	
	<macintosh<sup>® users&gt;</macintosh<sup>	
	Re-select your machine in the Device Selector application located in Macintosh HD/Library/Printers/Brother/Utilities/DeviceSelector or from the model list in ControlCenter2.	

#### **Dial Tone detection**

When you send a fax automatically, by default your machine will wait for a fixed amount of time before it starts to dial the number. By changing the Dial Tone setting to Detection you can make your machine dial as soon as it detects a dial tone. This setting can save a small amount of time when sending a fax to many different numbers. If you change the setting and start having problems with dialling you should change back to the factory No Detection setting.

- 1 Press Menu.
- Press A or ▼ to choose
  Initial Setup.
  Press OK.
- 3 Press A or ▼ to choose Dial Tone.
- 4 Press ◀ or ▶ to choose Detection or No Detection. Press OK.
- 5 Press Stop/Exit.

#### Telephone line interference

If you are having problems sending or receiving a fax due to possible interference on the telephone line, you can change the compatibility setting, which reduces the modem speed to minimise errors.

- 1 Press Menu.
- Press **∆** or **V** to choose Fax. Press **OK**.
- 3 Press A or ▼ to choose Miscellaneous.

  Press OK.
- 4 Press ▲ or ▼ to choose Compatibility.
- 5 Press ◀ or ▶ to choose High, Normal or Basic (for VoIP).
  - Basic (for VoIP) cuts the modem speed to 9600 bps. Unless interference is a recurring problem on your telephone line, you may prefer to use it only when needed.
  - Normal sets the modem speed at 14400 bps. (factory setting)
  - High increases the modem speed to 33600 bps.

Press OK.

6 Press Stop/Exit.



When you change the compatibility to  ${\tt Basic(for\ VoIP)}$ , the ECM feature is only available for color fax sending.

### **Error and Maintenance messages**

As with any sophisticated office product, errors may occur and consumable items may need to be replaced. If this happens, your machine identifies the error and shows an error message. The most common error and maintenance messages are shown below.

You can correct most errors and routine maintenance by yourself. If you need more help, the Brother Solutions Center offers the latest FAQs and troubleshooting tips.

Visit us at <a href="http://solutions.brother.com">http://solutions.brother.com</a>.

Error Message	Cause	Action
B&W Print Only	One or more of the color ink cartridges is empty.	Replace the empty ink cartridges. (See Replacing the ink cartridges on page 131.)
	While this message appears on the LCD, each operation works in the following way:	
	■ Printing	
	If you click <b>Greyscale</b> in the Advanced tab of the printer driver you can use the machine as a monochrome printer for approximately four weeks depending on the number of pages you print.	
	■ Copying	
	If the paper type is set to Plain Paper or Inkjet Paper you can make copies in monochrome.	
	Faxing	
	If the paper type is set to Plain Paper, Inkjet Paper or Transparency the machine will receive and print the faxes in monochrome.	
	If a sending machine has a color fax, the machine's 'handshake' will ask that the fax be sent as monochrome.	
	If the paper type is set to Other Glossy or Brother BP71, the machine will stop all print operations. If you unplug the machine, or take out the empty ink cartridge, you cannot use the machine until you change to a new ink cartridge.	

Error Message	Cause	Action
Cannot Detect	You installed a new ink cartridge too quickly and the machine did not detect it.	Take out the new ink cartridge and re-install it slowly until it clicks.
	If you are using non Brother Original ink the machine may not detect the ink cartridge.	Replace the cartridge with a Brother Original ink cartridge. If the error message remains, contact your Brother dealer.
	An ink cartridge is not installed correctly.	Take out the new ink cartridge and re-install it slowly until it clicks. (See Replacing the ink cartridges on page 131.)
Cannot Print	One or more of the ink cartridges are empty. The machine will stop all print operations. While memory is available, monochrome faxes will be stored in the memory. If a sending machine has a color fax, the machine's 'handshake' will ask that the fax be sent as monochrome.	Replace the empty ink cartridges. (See Replacing the ink cartridges on page 131.)
Comm.Error	Poor telephone line quality caused a communication error.	If the problem continues, call the telephone company and ask them to check your telephone line.
Connection Fail	You tried to poll a fax machine that is not in Polled Waiting mode.	Check the other fax machine's polling setup.
Cover is Open	The scanner cover is not closed completely.	Lift the scanner cover and then close it again.
	The ink cartridge cover is not completely closed.	Firmly close the ink cartridge cover until it clicks.
Data Remaining	Print data is left in the machine's memory.	Press <b>Stop/Exit</b> . The machine will cancel the job and clear it from the memory. Try to print again.
Disconnected	The other person or other person's fax machine stopped the call.	Try to send or receive again.
Document Jam	The document was not inserted or	See Using the ADF on page 19.
	fed correctly, or the document scanned from the ADF was too long.	See <i>Document jam</i> on page 127.
High Temperature	The print head is too warm.	Allow the machine to cool down.
Hub is Unusable.	A Hub or USB Flash memory drive with Hub has been connected to the USB direct interface.	A Hub or USB Flash memory drive with Hub are not supported. Unplug the device from the USB direct interface.
Image Too Long.	The proportions of your photo are irregular so effects could not be added.	Choose a regularly proportioned image.
Image Too Small.	The size of your photo is too small to trim.	Choose a larger image.

Error Message	Cause	Action
Ink low	One or more of the ink cartridges are running out of ink. If a sending machine has a color fax to send, your machine's 'handshake' will ask that the fax be sent as monochrome. If the sending machine has the ability to convert it, the color fax will be printed at your machine as a monochrome fax.	Order a new ink cartridge. You can continue printing until the LCD shows Cannot Print. (See Replacing the ink cartridges on page 131.)
Low Temperature	The print head is too cold.	Allow the machine to warm up.
Media Error	The memory card is either corrupted, incorrectly formatted, or there is a problem with the memory card.	Put the card firmly into the slot again to make sure it is in the correct position. If the error remains, check the media drive (slot) of the machine by putting in another memory card that you know is working.
Media is Full.	The memory card or USB flash memory drive you are using already contains 999 files.	Your machine can only save to your memory card or USB flash memory drive if it contains less than 999 files. Try deleting unused files to free some space and try again.
No Caller ID	There is no incoming call history. You did not receive calls or you have not subscribed to the Caller ID service from your telephone company.	If you want to use the Caller ID feature call your telephone company. (See Caller ID (Caller IDentification) (not available in certain area) on page 49.)
No Cartridge	An ink cartridge is not installed correctly.	Take out the new ink cartridge and re-install it slowly until it clicks. (See Replacing the ink cartridges on page 131.)
No File	The memory card or USB Flash memory drive in the media drive does not contain a .JPG file.	Put the correct memory card or USB Flash memory drive into the slot again.

Error Message	Cause	Action
No Paper Fed	The machine is out of paper, paper is not correctly loaded in the paper tray, or the Jam Clear Cover is not closed correctly.	Do one of the following:
		■ Refill the paper in the paper tray, and then press <b>Mono Start</b> or <b>Color Start</b> .
		Remove the paper and load it again and then press Mono Start or Color Start.
	The paper is jammed in the machine.	Remove the jammed paper by following the steps in <i>Printer jam or paper jam</i> on page 128.
No Response/Busy	The number you dialled does not answer or is busy.	Verify the number and try again.
Not Registered	You tried to access a Speed Dial number that is not programmed.	Set up the Speed Dial number. (See Storing Speed Dial numbers on page 56.)
Out of Memory	The machine's memory is full.	Fax sending or copy operation in progress
		Do one of the following:
		Press Stop/Exit and wait until the other operations in progress finish and then try again.
		■ Clear the data in the memory. To gain extra memory, you can turn off Memory Receive. (See <i>Turning off Memory Receive Operations</i> on page 42.)
		■ Print the faxes that are in the memory. (See <i>Printing a fax from the memory</i> on page 44.)
	The memory card or USB flash memory drive you are using does not have enough free space to scan the documents.	Delete unused files from your memory card or USB Flash memory drive to make some free space and then try again.
Paper Jam	Paper is jammed in the machine.	Open the Jam Clear Cover (at the back of the machine) and remove the jammed paper. (See <i>Printer jam or paper jam</i> on page 128.)
		Make sure the paper length guide is adjusted to the correct paper size. Do not extend the paper tray when you load A5 or smaller size paper.

Error Message	Cause	Action
Unable to Clean XX	The machine has a mechanical problem.  —OR— A foreign object such as a clip or ripped paper is in the machine.	Open the scanner cover and remove any foreign objects inside the machine. If the error message continues, see <i>Transferring your faxes or Fax Journal report</i> on page 126 before disconnecting the machine so you will not lose any important messages.  Then, disconnect the machine from the power source for several minutes and then reconnect it.
Unable to Init. XX	The machine has a mechanical problem.  —OR—  A foreign object such as a clip or ripped paper is in the machine.	Open the scanner cover and remove any foreign objects inside the machine. If the error message continues, see <i>Transferring your faxes or Fax Journal report</i> on page 126 before disconnecting the machine so you will not lose any important messages.  Then, disconnect the machine from the power source for several minutes and then reconnect it.
Unable to Print XX	The machine has a mechanical problem.  —OR—  A foreign object such as a clip or ripped paper is in the machine.	Open the scanner cover and remove any foreign objects inside the machine. If the error message continues, see <i>Transferring your faxes or Fax Journal report</i> on page 126 before disconnecting the machine so you will not lose any important messages.  Then, disconnect the machine from the power source for several minutes and then reconnect it.
Unable to Scan XX	The machine has a mechanical problem.  —OR— A foreign object such as a clip or ripped paper is in the machine.	Open the scanner cover and remove any foreign objects inside the machine. If the error message continues, see <i>Transferring your faxes or Fax Journal report</i> on page 126 before disconnecting the machine so you will not lose any important messages.  Then, disconnect the machine from the power source for several minutes and then reconnect it.
Unusable Device Disconnect device from front connector & turn machine off & then on	A broken device has been connected to the USB direct interface.	Unplug the device from the USB direct interface, then press <b>Power Save</b> to turn the machine off and then on again.

Error Message	Cause	Action
Unusable Device	A USB device or USB Flash	Unplug the device from the USB direct
Please Disconnect USB Device.	memory drive that is not supported has been connected to the USB direct interface.	interface.
	For more information, visit us at <a href="http://solutions.brother.com">http://solutions.brother.com</a> .	
Wrong Paper Size	Paper is not the correct size.	Check that the machine's Paper Size setting matches the size of paper in the tray. (See <i>Paper Size</i> on page 23.)

#### **Error animations display**

Error animations display step-by-step instructions when paper gets jammed. You can read the steps at your own pace by pressing ▶ to see the next step and ◀ to go backward. If you do not press a key after 1 minute the animation starts running automatically again.



You can press **◄**, **▶** or **OK** to pause the auto-animation and go back to step-by-step mode.

# Transferring your faxes or Fax Journal report

#### If the LCD shows:

- Unable to Clean XX
- Unable to Init. XX
- Unable to Print XX
- Unable to Scan XX

We recommend transferring your faxes to another fax machine or to your PC. (See *Transferring faxes to another fax machine* on page 126 or *Transferring faxes to your PC* on page 127.)

You can also transfer the Fax Journal report to see if there are any faxes you need to transfer. (See *Transferring Fax Journal report to another fax machine* on page 127.)



If there is an error message on the machine's LCD, after the faxes have been transferred, disconnect the machine from the power source for several minutes, and then reconnect it.

# Transferring faxes to another fax machine

If you have not set up your Station ID, you cannot enter fax transfer mode. (See *Enter personal information (Station ID)* in the Quick Setup Guide.)

- Press **Stop/Exit** to interrupt the error temporarily.
- Press Menu.
- 3 Press ▲ or ▼ to choose Service.
  Press OK.
- Press ▲ or ▼ to choose Data Transfer. Press OK.
- 5 Press A or ▼ to choose Fax Transfer. Press OK.
- 6 Do one of the following:
  - If the LCD shows No Data, there are no faxes left in the machine's memory.

Press Stop/Exit.

- Enter the fax number to which faxes will be forwarded.
- 7 Press Mono Start.

#### Transferring faxes to your PC

You can transfer the faxes from your machine's memory to your PC.

- 1 Press **Stop/Exit** to interrupt the error temporarily.
- 2 Make sure you have installed MFL-Pro Suite on your PC, and then turn on PC FAX Receiving on the PC. (For details see PC- FAX receiving for Windows® in the Software User's Guide on the CD-ROM.)
- Make sure you have set PC Fax Receive on the machine. (See PC Fax Receive on page 41.)
  If faxes are in the machine's memory when you set up PC Fax Receive, the LCD will ask if you want to transfer the faxes to your PC.
- Do one of the following:
  - To transfer all faxes to your PC, press 1. You will be asked if you want a backup print.
  - To exit and leave the faxes in the memory, press 2.
- 5 Press Stop/Exit.

# Transferring Fax Journal report to another fax machine

If you have not set up your Station ID, you cannot enter fax transfer mode. (See *Enter personal information (Station ID)* in the Quick Setup Guide.)

- 1 Press **Stop/Exit** to interrupt the error temporarily.
- 2 Press **Menu**.
- Press A or ▼ to choose Service.
  Press OK.
- 4 Press A or V to choose
  Data Transfer.
  Press OK.

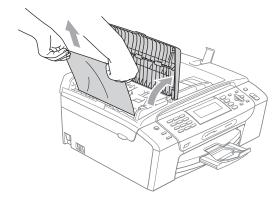
- Press ▲ or ▼ to choose Report Trans.. Press OK.
- 6 Enter the fax number to which the Fax Journal report will be forwarded.
- 7 Press Mono Start.

#### **Document jam**

Documents can jam in the ADF unit if they are not inserted or fed properly, or if they are too long. Follow the steps below to clear a document jam.

# Document is jammed in the top of the ADF unit

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



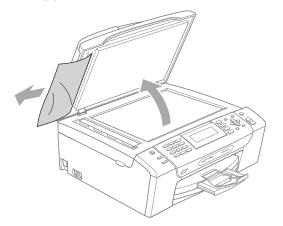
- Close the ADF cover.
- 5 Press Stop/Exit.



To avoid document jams close the ADF cover correctly by pushing it gently in the middle.

# 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.

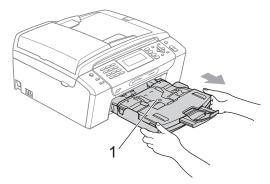


- 4 Close the document cover.
- 5 Press Stop/Exit.

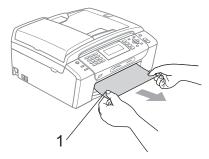
#### Printer jam or paper jam

Take out the jammed paper depending on where it is jammed in the machine.

1 Pull the paper tray (1) out of the machine.

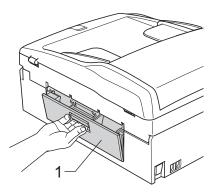


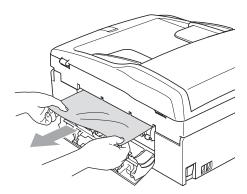
2 Pull out the jammed paper (1) and press Stop/Exit.



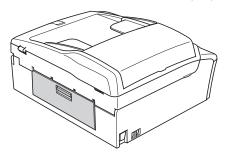
- 3 Reset the machine by lifting the scanner cover from the front of the machine and then closing it.
  - If you cannot remove the jammed paper from the front of the machine, or the error message still appears on the LCD after you have removed the jammed paper, please go to the next step.

4 Open the Jam Clear Cover (1) at the back of the machine. Pull the jammed paper out of the machine.

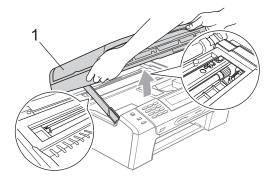




Close the Jam Clear Cover. Make sure the cover is closed properly.



6 Lift the scanner cover (1) from the front side of the machine until it locks securely into the open position. Make sure that there is no jammed paper left in the corners of the machine.

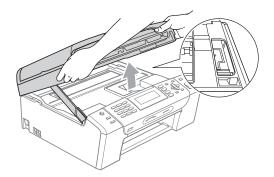


#### **A** CAUTION

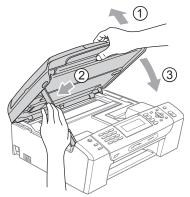
Before you unplug the machine from the power source, you can transfer your faxes that are stored in the memory to your PC or another fax machine so you will not lose any important messages. (See *Transferring your faxes or Fax Journal report* on page 126.)

#### Note

- If the paper is jammed under the print head, unplug the machine from the power source, and then move the print head to take out the paper.
- If the print head is at the right corner as shown in the illustration, you cannot move the print head. Press Stop/Exit until the print head moves to the middle. Then unplug the machine from the power source, and take out the paper.



 If ink gets on your skin or clothing immediately wash it off with soap or detergent. Lift the scanner cover to release the lock (1). Gently push the scanner cover support down (2) and close the scanner cover (3) using both hands.



8 Push the paper tray firmly back into the machine.



Make sure you pull out the paper support until it clicks.



#### Routine maintenance

#### 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 4 cartridges. When the machine detects an ink cartridge is running out of ink, the machine will tell you with a message on the LCD.



For example, when one of the ink cartridge is nearly empty, the LCD will display Ink low (name of color).

You should purchase a replacement cartridge in preparation for when the machine indicates the color is completely empty.

When one of the ink cartridge is empty, the LCD will display Cannot Print or B&W Print Only.

You should only replace the actual ink cartridge when this message Cannot Print or B&W Print Only appears on the LCD.

The LCD will tell 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 tells you that an ink cartridge is empty, there will be a small amount of ink left 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.

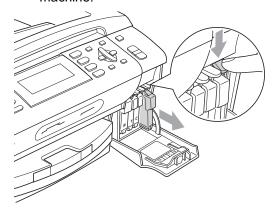
#### **A** CAUTION

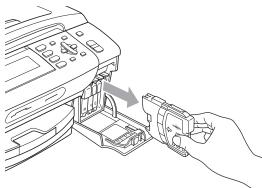
Brother multifunction machines are designed to work with ink of a particular specification and will work to a level of optimum performance and reliability when used with genuine Brother Branded ink cartridges. Brother cannot guarantee this optimum performance and reliability if ink or ink cartridges of other specifications are used. Brother does not therefore recommend the use of cartridges other than genuine Brother Branded cartridges or the refilling of empty cartridges with ink from other sources. If damage is caused to the print head or other parts of this machine as a result of using incompatible products with this machine, any repairs required as a result may not be covered by the warranty.

Open the ink cartridge cover.
 If one or more of the ink cartridges are empty, the LCD shows

B&W Print Only or Cannot Print.

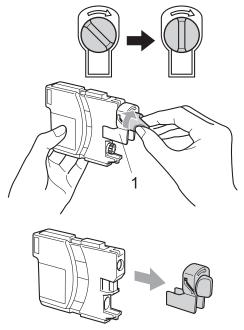
Press the lock release lever as shown to release the cartridge indicated on the LCD. Remove the cartridge from the machine.



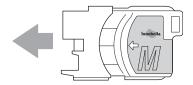


Open the new ink cartridge bag for the color shown on the LCD, and then take out the ink cartridge.

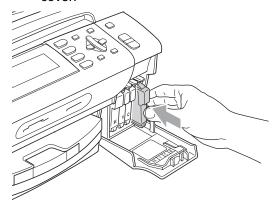
4 Turn the green knob on the protective yellow cap clockwise until it clicks to release the vacuum seal, then remove the cap (1).



5 Each color has its own correct position. Insert the ink cartridge in the direction of the arrow on the label.



6 Gently push the ink cartridge until it clicks, and then close the ink cartridge cover.



The machine will automatically reset the ink dot counter.



- If you replaced an ink cartridge, for example Black, the LCD may ask you to verify that it was a brand new one (for example, Did You Change BK Black). For each new cartridge you installed, press 1 (Yes) to automatically reset the ink dot counter for that color. If the ink cartridge you installed is not a brand new one, be sure to press 2 (No).
- If the LCD shows No Cartridge or Cannot Detect after you install the ink cartridges, check that the ink cartridges are installed correctly.

#### **MARNING**

If ink gets in your eyes, wash them out with water at once and call a doctor if you are concerned.

#### **A** CAUTION

DO NOT take out 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 gets on your skin or clothing immediately wash it off with soap or detergent.

If you mix the colors by installing an ink cartridge in the wrong position, clean the print head several times after correcting the cartridge installation.

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.

# Cleaning the outside of the machine

#### **A** CAUTION

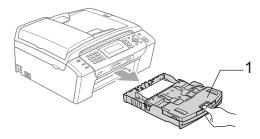
Use neutral detergents. Cleaning with volatile liquids such as thinner or benzine will damage the outside surface of the machine.

DO NOT use cleaning materials that contain ammonia.

DO NOT use isopropyl alcohol to remove dirt from the control panel. It may crack the panel.

# Clean the outside of the machine as follows:

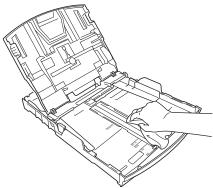
1 Pull the paper tray (1) completely out of the machine.



Wipe the outside of the machine with a soft cloth to remove dust.



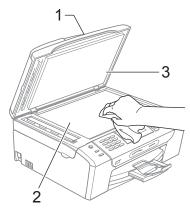
- 3 Remove anything that is stuck inside the paper tray.
- Wipe the paper tray with a soft cloth to remove dust.



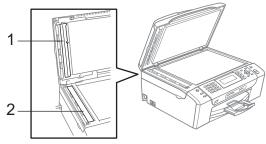
5 Put the paper tray firmly back in the machine.

#### Cleaning the scanner glass

1 Lift the document cover (1). Clean the scanner glass (2) and the white plastic (3) with a soft lint-free cloth moistened with a non-flammable glass cleaner.



2 In the ADF unit, clean the white bar (1) and the glass strip (2) with a lint-free cloth moistened with a non-flammable glass cleaner.





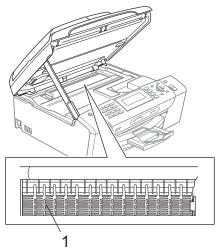
In addition to cleaning the glass strip with a non-flammable glass cleaner, run your finger tip over the glass strip to see if you can feel anything on it. If you feel dirt or debris, clean the glass strip again concentrating on that area. You may need to repeat the cleaning process three or four times. To test, make a copy after each cleaning.

# Cleaning the machine printer platen

#### WARNING

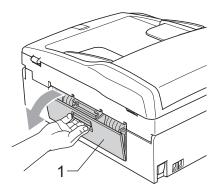
Be sure to unplug the machine from the electrical socket before cleaning the printer platen (1).

- 1 Lift the scanner cover until it locks securely into the open position.
- 2 Clean the machine's printer platen (1) and the area around it, wiping off any scattered ink with a soft, dry lint-free cloth.

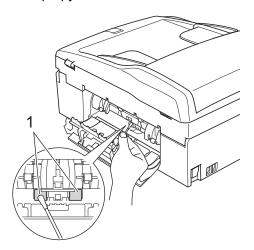


# Cleaning the paper pick-up roller

- Pull the paper tray completely out of the machine.
- 2 Unplug the machine from the electrical socket and open the Jam Clear Cover (1).



3 Clean the Paper Pick-up Roller (1) with isopropyl alcohol on a cotton swab.



- 4 Close the Jam Clear Cover.
  Make sure the cover is closed correctly.
- Dut the paper tray firmly back in the machine.
- 6 Re-connect the power cord.

#### Cleaning the print head

To maintain print quality, the machine will automatically clean the print head. You can start the cleaning process manually if there is a print quality problem.

Clean the print head and ink cartridges if you get a horizontal line or blank text in the text or graphics on your printed pages. You can clean Black only, 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.

#### **A** 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 Management.
- Press A or ▼ to choose Cleaning. Press OK.
- 3 Press A or V to choose Black, Color or All.

#### Press OK.

The machine cleans 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, try installing a new genuine Brother Branded replacement cartridge for each problem color. Try cleaning the print head again up to five more times. If the print has not improved call your Brother dealer.

#### Checking the print quality

If faded or streaked colors and text appear 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 Management.
- Press ▲ or ▼ to choose Test Print. Press OK.
- 3 Press A or ▼ to choose
  Print Quality.
  Press OK.
- 4 Press Color Start.
  The machine begins printing the Print Quality Check Sheet.
- 6 Check the quality of the four color blocks on the sheet.
- 6 The LCD asks you if the print quality is

Do one of the following:

- If all lines are clear and visible, press 1 (Yes) to finish the Print Quality check and go to step .
- If you can see missing short lines as shown below, press 2 to choose No.

OK Poor





- The LCD asks you if the print quality is OK for black and three colors.

  Press 1 (Yes) or 2 (No).
- 8 The LCD asks you if you want to start cleaning.

Press 1 (Yes).

The machine starts cleaning the print head.

After cleaning is finished, press
 Color Start.

The machine starts printing the Print Quality Check Sheet again and then return to step **5**.

10 Press Stop/Exit.

If you repeat this procedure at least five times and the print quality is still poor, replace the ink cartridge for the clogged color.

After replacing the ink cartridge, check the print quality. 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 your Brother dealer.

#### **A** 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.



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

#### Checking the print alignment

You may need to adjust the print alignment after transporting the machine, if your printed text becomes blurred or images become faded.

- Press Ink Management.
- Press A or ▼ to choose Test Print. Press OK.
- 3 Press A or ▼ to choose Alignment. Press OK.
- 4 Press Mono Start or Color Start.
  The machine starts printing the
  Alignment Check Sheet.
- 5 Check the 600 dpi and 1200 dpi test prints to see if number 5 most closely matches number 0.
- 6 Do one of the following:
  - If the number 5 samples of both the 600 dpi and 1200 dpi test prints are the best matches, press 1 (Yes) to finish the Alignment Check and go to step ③.
  - If another test print number is a better match for either 600 dpi or 1200 dpi, press 2 (No) to choose it.
- 7 For 600 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 8 For 1200 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 9 Press Stop/Exit.

#### Checking the ink volume

Although an ink volume icon appears on the LCD, you can use the **Ink Management** key to see a large graph showing the ink that is left in each cartridge.

- 1 Press Ink Management.
- Press ▲ or ▼ to choose Ink Volume.

  Press OK.

  The LCD shows the ink volume.
- 3 Press Stop/Exit.



You can check the ink volume from your computer. (See *Printing* for Windows<sup>®</sup> or *Printing and Faxing* for Macintosh<sup>®</sup> in the Software User's Guide on the CD-ROM.)

### **Machine Information**

#### Checking the serial number

You can see the machine's serial number on the LCD.

- 1 Press Menu.
- Press A or V to choose
  Machine Info..
  Press OK.
- Press A or ▼ to choose Serial No.. Press OK.
- 4 Press Stop/Exit.

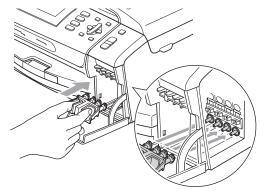
# Packing and shipping the machine

When you transport the machine, use the packing materials that came with your machine. Follow the instructions below to properly pack your machine. Damage caused to your machine during transit is not covered by your warranty.

#### **A** CAUTION

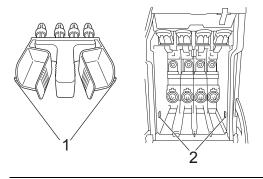
It is important to allow the machine to 'park' the print head after a print job. Listen carefully to the machine before unplugging it to make sure that all mechanical noise has stopped. Not allowing the machine to finish this parking process may lead to print problems and possible damage to the print head.

- 1 Open the ink cartridge cover.
- Press the ink release lever to release the ink cartridge and take out the ink cartridges. (See *Replacing the ink cartridges* on page 131.)
- Install the green protective part and then close the ink cartridge cover.



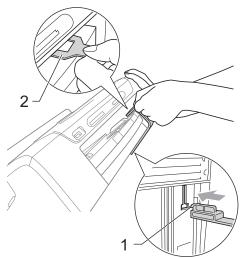
#### **A** CAUTION

Make sure that the plastic tabs on both sides of the green protective part (1) have securely clicked into place (2).

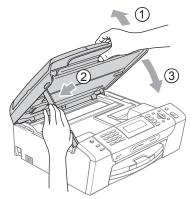


If you are not able to find the green protective part, DO NOT remove the ink cartridges before shipping. It is essential that the machine be shipped with either the green protective part or the ink cartridges in position. Shipping without them will cause damage to your machine and may void your warranty.

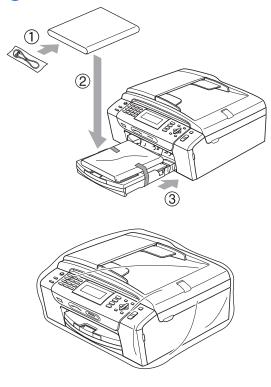
4 Lift the front of the machine and hook the long end (1) of the green protective part into the T-shaped hole underneath the machine. Push the forked end (2) onto the top of the paper tray.



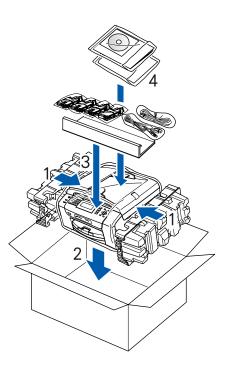
- 5 Unplug the machine from the telephone wall socket and take the telephone line cord out of the machine.
- 6 Unplug the machine from the electrical socket and from the machine.
- 7 Using both hands, use the plastic tabs on both sides of the machine to lift the scanner cover until it locks securely into the open position. Then unplug the interface cable from the machine, if it is connected.
- 8 Lift the scanner cover (1) to release the lock. Gently push the scanner cover support down (2) and close the scanner cover (3) using both hands.



9 Wrap the machine in the bag.



Pack the machine and the printed materials in the original carton with the original packing material as shown below. Do not pack the used ink cartridges in the carton.



11 Close the carton and tape it shut.

# C

## **Menu and Features**

# On-screen programming

Your machine is designed to be easy to operate with LCD on-screen programming using the menu keys. 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 program your machine by using the Menu table that begins on page 143. These pages list the menu selections and options.

### Memory storage

Even if there is a power failure, you will not lose the settings you have chosen using the Menu key because they are stored permanently. Also, you will not lose your settings in the PhotoCapture, Fax and Copy mode key menus if you have chosen Set New Default. You may have to reset the date and time.

### Mode and menu keys

功能 Menu	Access the main menu.
传真 Fax 扫描 Scan 复印 Copy 国像捕捉 Photo Capture	Access its menu of temporary settings.
A <b>v</b>	Scroll through the current menu level.
4	Go back to the previous menu level.
<b>•</b>	Go to the next menu level.
	■ Go to the next menu level.
ОК	■ Accept an option.
	■ Cancel the current operation.
清除/返回 Clear/Back	■ Go back to the previous menu level.
停止/退出 Stop/Exit	■ Stop the current operation.

#### Menu table

The menu table will help you understand the menu selections and options that are found in the machine's programs. The factory settings are shown in Bold with an asterisk.



Level1	Level2	Level3	Options	Descriptions	Page
General Setup	Mode Timer	_	Off	Sets the time to return to	22
			0Sec	Fax mode.	
			30Secs		
			1Min		
			2Mins*		
			5Mins		
	Paper Type	_	Plain Paper*	Sets the type of paper in	22
			Inkjet Paper	the paper tray.	
			Brother BP71		
			Other Glossy		
			Transparency		
	Paper Size	_	A4*	Sets the size of the paper	23
			A5	in the paper tray.	
			10x15cm		
			Letter		
			Legal		
	Volume	Ring	Off	Adjusts the ring volume.	23
			Low		
			Med*		
			High		
		Beeper	Off	Adjusts the volume level	24
			Low*	of the beeper.	
			Med		
			High		
		Speaker	Off	Adjusts the volume level	24
			Low	of the speaker.	
			Med*		
			High		

Exiting —  LCD Contra  Backlight  Dim Timer	Fax Receive:On* Fax Receive:Off  ast Light Med* Dark Light* Med Dark Off 10Secs	Customizes the Power Save key not to receive faxes in power save mode.  Adjusts the contrast of the LCD.  You can adjust the brightness of the LCD backlight.  You can set how long the	<ul><li>21</li><li>25</li><li>25</li><li>25</li></ul>
Backlight	Light Med* Dark Light* Med Dark Off	receive faxes in power save mode.  Adjusts the contrast of the LCD.  You can adjust the brightness of the LCD backlight.  You can set how long the	25
Backlight	Med* Dark Light* Med Dark Off	You can adjust the brightness of the LCD backlight.  You can set how long the	25
	Dark  Light*  Med  Dark  Off	You can adjust the brightness of the LCD backlight.  You can set how long the	
	Light* Med Dark Off	brightness of the LCD backlight.  You can set how long the	
	Med Dark Off	brightness of the LCD backlight.  You can set how long the	
Dim Timer	Dark Off	backlight.  You can set how long the	25
Dim Timer	Off	You can set how long the	25
Dim Timer	-		25
	10Secs		
		LCD backlight stays on for after the last key press.	
	20Secs	,,	
	30Secs*		
Wallpaper	_	You can choose the wallpaper of the LCD.	25
de —	1Min	You can choose how long	24
	2Mins	the machine will remain idle before it goes into	
	3Mins	sleep mode.	
	5Mins		
	10Mins*		
	30Mins		
	60Mins		
ceive Ring Delay	0 - 10 (2*)	Sets the number of rings before the machine answers in Fax Only or Fax/Tel mode.	39
F/T Ring T:	ime 20Secs	Sets the pseudo/double-	39
	30Secs*	ring time in Fax/Tel mode.	
	40Secs		
	70Secs		
	F/T Ring T	F/T Ring Time 20Secs 30Secs* 40Secs	Ceive Ring Delay 0 - 10 (2*)  F/T Ring Time 20Secs 30Secs* 40Secs 70Secs  Sets the number of rings before the machine answers in Fax Only or Fax/Tel mode.  Sets the pseudo/double-ring time in Fax/Tel mode.

Level1	Level2	Level3	Options	Descriptions	Page
Fax (Continued)	Setup Receive (Continued)	Fax Detect	On*	Receives fax messages without pressing the Mono Start or	40
		Damata Gadaa	On*	Color Start key.	52
		Remote Codes		Allows you to answer all calls at an extension or	52
			(*51, #51) Off	external telephone and use codes to turn the	
			OII	machine on or off. You	
				can personalize these codes.	
		Auto Reduction	On*	Cuts the size of incoming	43
			Off	faxes.	
		Memory Receive	Off*	You can set the machine	40
		F	Fax Forward	to either forward fax messages, store incoming	
			Fax Storage	faxes in the memory (so	
			PC Fax Receive	you can retrieve them while you are away from	
				your machine), or send	
				faxes to your PC.	
				If you choose Fax Forward or PC Fax Receive, you	
				can turn on the safety feature Backup Print.	
	Report Setting		On	Initial setup for Transmission Verification Report and Fax Journal Report.	61
			On+Image		
			Off*		
			Off+Image		
		Journal Period	Off		61
			Every 50 Faxes*		
			Every 6 Hours		
			Every 12 Hours		
			Every 24 Hours		
			Every 2 Days		
			Every 7 Days		
	Print Document	_	_	Prints incoming faxes stored in the memory.	44
	Remote Access	_	*	Set your own code for Remote Retrieval.	44
	Remaining Jobs	_	_	Check which jobs are in the memory and lets you cancel chosen jobs.	35

Level1	Level2	Level3	Options	Descriptions	Page
Fax (Continued)	Miscellaneous	TX Lock	_	Prohibits most functions except receiving faxes.	27
(Continuou)		Compatibility	High*	Adjusts the modem speed	120
			Normal	to help resolve transmission problems.	
			Basic(for VoIP)		
		Caller ID Type	FSK*	You can switch the mode	49
			DTMF	if Caller ID cannot be displayed normally.	
		Fax Mode	Easy Mode*	Selects the transmission	26
			Advanced Mode	process when sending/receiving the faxes manually.	
	The factory settings	s are shown in Bold	I with an asterisk.	•	<u> </u>

#### Network menu

Level1	Level2	Level3	Level4	Options	Descriptions
Network	Wired LAN	LAN TCP/IP	BOOT Method	Auto*	Chooses the
				Static	BOOT method that best suits
				RARP	your needs.
			BOOTP		
			DHCP		
			IP Address	[000-255].	Enter the IP
				[000-255].	address.
				[000-255].	
				[000-255]	
			Subnet Mask	[000-255].	Enter the Subnet
				[000-255].	mask.
				[000-255].	
				[000-255]	
			Gateway	[000-255].	Enter the
				[000-255].	Gateway address.
				[000-255].	uddi cos.
				[000-255]	
			Node Name	BRNXXXXXXXXXXX	Enter the Node name.

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



The factory settings are shown in Bold with an asterisk.

Level1	Level2	Level3	Level4	Options	Descriptions
Network	Wired LAN	TCP/IP	WINS Config	Auto*	Chooses the
(Continued)	(Continued)	(Continued)		Static	WINS configuration
					mode.
			WINS Server	(Primary)	Specifies the IP
				000.000.000.000	address of the primary or
				(Secondary) 000.000.000.000	secondary server.
			DNS Server	(Primary)	Specifies the IP
				000.000.000.000	address of the primary or
				(Secondary) 000.000.000	secondary
				000.000.000.000	server.
			APIPA	On*	Automatically allocates the IP
				Off	address from the
					link-local address range.
		Ethernet	_	Auto*	Chooses the
				100B-FD	Ethernet link mode.
				100B-HD	
				10B-FD	
				10B-HD	
	WLAN	TCP/IP	BOOT Method	Auto*	Chooses the
				Static	BOOT method that best suits
				RARP	your needs.
				BOOTP	
				DHCP	
			IP Address	[000-255].	Enter the IP
				[000-255].	address.
				[000-255].	
				[000-255]	
			Subnet Mask	[000-255].	Enter the Subnet
				[000-255].	mask.
				[000-255].	
				[000-255]	
			Gateway	[000-255].	Enter the
				[000-255].	Gateway address.
				[000-255].	
				[000-255]	
			•		

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	WLAN (Continued)	TCP/IP (Continued)	Node Name	BRWXXXXXXXXXXX	Enter the Node name.
` ,			WINS Config	Auto* Static	Chooses the WINS configuration mode.
		WINS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.	
		DNS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.	
			АРІРА	On* Off	Automatically allocates the IP address from the link-local addres range.
		Setup Wizard	_		You can configure your print server.
		SES/WPS/AOSS	_	_	You can easily configure your wireless network settings using thone-button push method.
		WPS w/PIN Code	_	_	You can easily configure your wireless network settings using WPS with a PIN code.
		WLAN Status	Status	_	You can see the current wireless network status.
			Signal	_	You can see the current wireless network signal strength.
			SSID	_	You can see the current SSID.
		Comm. Mode	_	You can see the current Communication Mode.	

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	Network I/F	_	Wired LAN*	_	You can choose the network connection type.
	Factory Reset	_	Yes No	_	Restores all wired and wireless network settings to the factory default.
	See Network User'	s Guide on the CD-	ROM.		



The factory settings are shown in Bold with an asterisk.

# Menu ( <sup>助能</sup> ) (continued)

Level1	Level2	Level3	Options	Descriptions	Page
Print Reports	XMIT Verify	_	_	Prints these lists and reports.	62
	Help List	_	_		
	Quick Dial	_	Alphabetical Order		
			Numerical Order		
	Fax Journal	_	_		
	User Settings	_	_		
	Network Config	_	_		
	Caller ID hist.	_	_		
Machine Info.	Serial No.	_	_	Lets you check the serial number of your machine.	139
Initial Setup	Receive Mode	_	Fax Only* Fax/Tel	Choose the receive mode that best suits your needs.	37
			External TAD Manual		
	Date&Time	_	_	Puts the date and time on the LCD and in headings of faxes you send.	See Quick Setup
	Station ID	_	Fax: Name:	Set your name and fax number to appear on each page you fax.	Guide.
	Tone/Pulse	_	Tone* Pulse	Choose the dialling mode.	
	Dial Tone	_	Detection	Turns Dial Tone Detection	120
			No Detection*	on or off.	
	Local Language	_	English	Allows you to change the	26
	I		Chinese*	LCD language.	

149

## Fax (👜 )

Level1	Level2	Level3	Options	Descriptions	Page
Fax Resolution	_	_	Standard* Fine	Sets the resolution for outgoing faxes.	34
			S.Fine Photo		
Contrast	_	_	Auto* Light Dark	Changes the lightness or darkness of faxes you send.	33
Speed Dial	Search	_	Alphabetical Order Numerical Or	You can dial by pressing only a few keys (and <b>Start</b> ).	54
	Set Speed Dial	_	_	Stores Speed Dial numbers, so you can dial by pressing only a few keys (and <b>Start</b> ).	54
	Setup Groups	_	_	Sets up a Group number for Broadcasting.	58
Outgoing Call	Send a fax Add to Speed Dial Delete	_	_	You can choose a number from the Outgoing Call history and then make a telephone call to it, send a fax to it, add it to Speed Dial, or delete it.	55
Caller ID hist.	Send a fax Add to Speed Dial Delete	_	_	You can choose a number from the Caller ID history and then send a fax to it, add it to Speed Dial, or delete it.	55
Broadcasting	Add Number Speed Dial Complete	_	_	You can send the same fax message to more than one fax number.	32
Delayed Fax	_	_	On (00:00) Off*	Sets the time of day in 24-hour format that the delayed faxes will be sent.	35
Batch TX	_	_	On Off*	Combines delayed faxes to the same fax number at the same time of day into one transmission.	35
Real Time TX	_	_	On Off*	You can send a fax without using the memory.	34
Polled TX	_	_	Standard Secure Off*	Sets up the document on your machine to be retrieved by another fax machine.	65
	The factory setting	s are shown in Bold	with an asterisk.		

Level1	Level2	Level3	Options	Descriptions	Page
Polling RX	_	_	Standard	Sets up your machine to poll	63
			Secure	another fax machine.	
			Timer		
			Off*		
Overseas Mode	_	_	On	If you are having difficulty	35
			Off*	sending faxes overseas, set this to On.	
Glass ScanSize	_	_	A4*	Adjust the scan area of the	31
			Letter	scanner glass to the size of the document.	
Set New Default	_	_	Yes	You can save your fax	36
			No	settings.	
Factory Reset	_	_	Yes	You can restore all settings	36
			No	to the factory settings.	
	The factory setting	s are shown in Bold	with an asterisk.		

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Level1	Option1	Option2	Option3	Descriptions	Page
Scan to E-mail	_	_	_	You can scan a monochrome or a color document into your E-mail application.	See Software User's
Scan to Image	_	_	_	You can scan a color picture into your graphics application.	Guide on the CD-ROM.
Scan to OCR	_	_	_	You can have your text document converted to an editable text file.	
Scan to File	_	_	_	You can scan a monochrome or a color document into your computer.	
Scan to Media	Quality	_	Color 150 dpi*	You can choose the scan	94
(when a memory card or USB Flash			Color 300 dpi	resolution, file format and enter a file name for your	
memory drive is			Color 600 dpi	document.	
inserted)			B/W 200x100 dpi		
			B/W 200 dpi		
	File Type	_	(If you chose color option in Quality setting)		
			PDF*		
			JPEG		
			(If you chose Mono option in Quality setting)		
			PDF*		
			TIFF		
	File Name	_	_	You can rename the file.	95
	Set New Default	-	Yes	You can save your scan	95
			No	settings.	
	Factory Reset	-	Yes	You can restore all settings to	96
			No	the factory settings.	
The factory settings are shown in Bold with an asterisk.					



Level1	Level2	Level3	Options	Descriptions	Page	
Quality	_	_	Fast	Choose the Copy resolution	69	
			Normal*	for your type of document.		
			Best			
Enlarge/Reduce	100%*	_	_	_	70	
	Enlarge	_	142% A5→A4	You can choose the	70	
			186% 10x15cm→LTR	enlargement ratio for your type of document.		
			198% 10x15cm→A4	type or accamena		
	Reduce	_	47% A4→10x15cm	You can choose the	70	
			69% A4→A5	reduction ratio for your type of document.		
			83% LGL→A4	or doddinorit.		
			93% A4→LTR			
			97% LTR→A4			
	Fit to Page	_	_	Your machine will adjust	70	
				the size automatically to the		
	Custom(25-400		_	paper size you set. You can choose the	70	
	8)			enlargement or reduction	70	
				ratio for your type of document.		
Paper Type	_		Plain Paper*	Choose the paper type that	73	
raper Type			Inkjet Paper	matches the paper in the	7.5	
			Brother BP71	tray.		
			Other Glossy			
			Transparency	Ch thi th -t	70	
Paper Size	_	_	A4*	Choose the paper size that matches the paper in the	73	
			A5	tray.		
			10x15cm			
			Letter			
			Legal			
Brightness	_	_	Light +2	Adjusts the brightness of copies.	72	
			+1	35,100.		
			0			
			-1 -2			
			-2 Liminate Dark			
The factory settings are shown in Bold with an asterisk.						

Level1	Level2	Level3	Options	Descriptions	Page
Contrast	_	_	+2 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	Adjusts the contrast of copies.	72
Stack/Sort	_	_	Stack* Sort	You can choose to stack or sort multiple copies.	72
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)	_	You can make N in 1 or Poster copies.	70
Book Copy	On (Preview)  Off*	Skew Adjustment Shadow Revise	_ _ _ _	Corrects dark borders and skew when copying from the scanner glass.	73
Watermark Copy		_	On  Off*  (If you choose On, see the watermark copy settings in the following table.)	You can place a logo or text into your document as a Watermark.	74
Set New Default	Exit		_ Yes	You can save your copy	75
	_	_	No Yes	settings.  You can restore all settings	75

#### Watermark Copy Settings

_	Text	CONFIDENTIAL*	Uses a template to place	74
		I	to Cata and a second	/4
		DRAFT	text into your document as a Watermark.	
		COPY		
	Position	A		
		В		
		С		
		D		
		E*		
		F		
		G		
		Н		
		I		
		Pattern		
	Size	Small		
		Medium*		
		Large		
	Angle	-90°		
		-45°*		
		0°		
		45°		
		90°		
	Transparency	-2		
		-1		
		0*		
		+1		
		+2		
	Color	Red		
		Orange		
		Yellow		
		Blue		
		Green		
		Purple		
		Black*		
	Apply	_		
	The factory setting	Angle  Transparency  Color	C   D   E*   F   G   H   I   Pattern   Size   Small   Medium*   Large   Angle   -90°   -45°*   0°   45°   90°   Transparency   -2   -1   0*   +1   +2   Color   Red   Orange   Yellow   Blue   Green   Purple   Black*	C   D   E*   F   G   G   H   I   Pattern   Size   Small   Medium*   Large   Angle   -90°   -45°*   0°   45°   90°   Transparency   -2   -1   0°   +1   +2   Color   Red   Orange   Yellow   Blue   Green   Purple   Black*   Apply   —

(Select image	Position		1	
(Select image from media)	FOSTCION	A	Places a logo or text into your document as a	74
nom modia)		В	Watermark using an image	
		С	from removable media.	
		D		
		E*		
		F		
		G		
		Н		
		I		
		Pattern		
	Size	Small		
		Medium*		
		Large		
	Angle	-90°		
		-45°*		
		0°		
		45°		
		90°		
	Transparency	-2		
		-1		
		0*		
		+1		
		+2		
	Apply	_		
(Set watermark	Transparency	-2	You can choose the level of	75
		-1		
p. 300 Gtart.)		0*	from a paper document.	
		+1		
		+2		
	Apply	_		
_	document and press <b>Start</b> .)	Angle  Transparency  Apply  (Set watermark document and press Start.)  Apply  Transparency	D   E*   F   G   G   H   I   Pattern   Size   Small   Medium*   Large   Angle   -90°   -45°*   0°   45°   90°     Transparency   -2   -1   0*   +1   +2   Apply     (Set watermark document and press Start.)   Transparency   -2   -1   0*   +1   +2     +2     +2     +2     +2     +2     +2     +2     +2     +2       +2     +2     +2     +2       +2   +2     +2	C

## PhotoCapture ( )



Level1	Level2	Level3	Options	Descriptions	Page	
View Photo(s)	_	_	See the print settings in the following table.	You can preview your photos on the LCD.	81	
Print Index	_	Layout Format	6 Images/Line*	You can print a thumbnail	82	
			5 Images/Line	page.		
		Paper Type	Plain Paper*			
			Inkjet Paper			
			Brother BP71			
			Other Glossy			
		Paper Size	A4*			
			Letter			
Print Photos	_	_	See the print settings in the following table.	You can print an individual image.	83	
Enhance Photos	Auto Correct	_		You can adjust your photos	83	
	Enhance Skin- Tone			with these settings.		
	Enhance Scenery					
	Remove Red-Eye					
	Monochrome					
	Sepia					
Search by Date	_	_	_	You can search your photos from date.	86	
Print All Photos	_	_	See the print settings in the following table.	You can print all photos in your memory card or USB Flash memory drive.	87	
Slide Show		_	_	The machine starts a Slide Show of your photos.	87	
Trimming	_	_	_	You can trim your photo and print a part of the image.	88	
The factory settings are shown in Bold with an asterisk.						

#### **Print Settings**

Option1	Option2	Option3	Option4	Descriptions	Page			
Print Quality	Normal	_	_	Choose the print quality.	90			
(Not available for DPOF printing)	Photo*							
Paper Type	Plain Paper	_	_	Choose the paper type.	90			
	Inkjet Paper							
	Brother BP71							
	Other Glossy*							
Paper Size	10x15cm*	(When A4 or	_	Choose the paper and print	91			
	13x18cm	Letter is chosen)		size.				
	A4	8 x 10cm						
	Letter	9 x 13cm						
		10 x 15cm						
		13 x 18cm						
		15 x 20cm						
		Max. Size*						
Brightness (Not available when Enhance Photos is chosen)	Light +2		_	Adjusts the brightness.	91			
Contrast (Not available when Enhance Photos is chosen)	+2 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	_	_	Adjusts the contrast.	91			
Color Enhance (Not available when Enhance Photos is chosen)	On Off*	White Balance	+2 · · · · · · · · · · · · · · · · · · ·	Adjusts the hue of the white areas.	91			
		Sharpness	+2 · · · · · · · · · · · · · · · · · · ·	Enhances the detail of the image.				
		Color Density	+2 '	Adjusts the total amount of color in the image.				
	The factory settings are shown in Bold with an asterisk.							

Option1	Option2	Option3	Option4	Descriptions	Page
Cropping	On*	_	_	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.	92
Borderless	On*	_	_	Expands the printable area to fit the edges of the paper.	93
Date Print (Not available for DPOF printing)	On Off*	_	_	Prints the date on your photo.	93
Set New Default	_	_	Yes	You can save your print settings.	93
Factory Reset	_		Yes	You can restore all the settings to factory settings.	93
	The factory set	tings are shown in I	Bold with an asterisk	ί.	1



# Speed Dial $\binom{\square}{\blacktriangle}$

Level1	Level2	Level3	Options	Descriptions	Page
Search	_	_	Alphabetical Order Numerical Order	You can dial by pressing only a few keys (and <b>Start</b> ).	54
Set Speed Dial	_	_	_	Stores Speed Dial numbers, so you can dial by pressing only a few keys (and <b>Start</b> ).	56
Setup Groups	_	_	_	Sets up a Group number Broadcasting.	58
The factory settings are shown in Bold with an asterisk.					



#### **Entering Text**

When you are setting certain menu selections, such as the Station ID, you may need to enter text into the machine. Most dial pad keys have three or four letters printed on keys. The keys for # and \* do not have printed letters because they are used for special characters.

By pressing the correct dial pad key repeatedly, you can access the character you want.

Press Key	one time	two times	three times	four times
2	Α	В	С	2
3	D	Е	F	3
4	G	Н	I	4
5	J	K	L	5
6	М	N	0	6
7	Р	Q	R	S
8	Т	U	V	8
9	W	Х	Υ	Z

#### **Inserting spaces**

To enter a space in a fax number, press ▶ once between numbers. To enter a space in a name, press ▶ twice between characters.

#### **Making corrections**

If you entered an incorrect letter and want to change it, press ◀ to move the cursor under the incorrect character. Then press **Clear/Back**. Re-enter the correct character. You can also back up and insert letters.

#### Repeating letters

If you need to enter a letter that is on the same key as the letter before, press ▶ to move the cursor to the right before you press the key again.

#### Special characters and symbols

Press \* or #, repeatedly until you see the special character or symbol you want.

```
Press * for (space)!"#$% &'()*+,-./
Press # for :;<=>?@[]^
```

# D

# **Specifications**

#### General

Printer Type InkJet

**Print Method** Mono: Piezo with 94 × 1 nozzle

Color: Piezo with 94 × 3 nozzles

**Memory Capacity** 40 MB

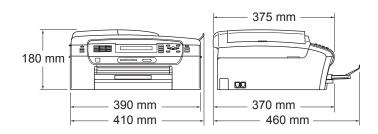
LCD (liquid crystal display) Wide 3.3 in. (83.8 mm) Color LCD

Power Source AC 220 to 240V 50/60Hz

**Power Consumption** Power Save Mode: Average 0.7 W

Sleep Mode: Average 4 W
Standby: Average 6 W
Operating: Average 27 W

#### **Dimension**



Weight 8.2 kg

NoiseOperating:50 dB or less 1TemperatureOperating:10 to 35° C

Best Print Quality: 20 to 33° C

**Humidity** Operating: 20 to 80% (without condensation)

Best Print Quality: 20 to 80% (without condensation)

ADF (automatic document feeder)

Recommended environment for best results:

Up to 15 pages

Temperature: 20° C - 30° C

Humidity: 50% - 70%

Paper: 80 g/m<sup>2</sup> A4 or Letter size

Paper Tray 100 Sheets 80 g/m<sup>2</sup>

<sup>&</sup>lt;sup>1</sup> This depends on printing conditions.

#### D

#### 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, Executive, A4, A5, A6, JIS B5, envelopes (commercial No.10, DL, C5, Monarch, JE4),

Photo 2L (13×18 cm), Index card and Postcard <sup>3</sup>.

Width: 89 mm - 215.9 mm Length: 127 mm - 355.6 mm

For more details, see *Paper weight, thickness and capacity* on page 18.

■ Maximum paper tray capacity:

Approx. 100 sheets of 80 g/m<sup>2</sup> plain paper

#### **Photo Paper Tray**

■ Paper type:

Plain paper, inkjet paper (coated paper) and glossy paper <sup>2</sup>

■ Paper size:

Photo 10×15 cm and Photo L

Width: 89 mm - 102 mm Height: 127 mm - 152 mm

■ Maximum paper tray capacity:

Approx. 20 sheets

#### **Paper Output**

Up to 50 sheets of A4 plain paper (face up print delivery to the paper trav) <sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Use only transparencies recommended for inkjet printing.

For glossy paper or transparencies, we recommend removing printed pages from the paper tray immediately after they exit the machine to avoid smudging.

<sup>3</sup> See Paper type and size for each operation on page 17.

#### **Fax**

CompatibilityITU-T Super Group 3Coding SystemMH/MR/MMR/JPEGModem SpeedAutomatic Fallback

33600 bps

**Document Size** ADF Width: 148 mm to 215.9 mm

ADF Length: 148 mm to 355.6 mm Scanner Glass Width: Max. 215.9 mm

Scanner Glass Length: Max. 297 mm

Scanning Width ADF: 208 mm (A4)

Scanner Glass: 204 mm (A4)

Printing Width 204 mm
Greyscale 256 levels

Polling Types Standard, Secure, Timer Sequential: (Monochrome only)

Contrast Control Automatic/Light/Dark

(manual setting)

**Resolution** ■ Horizontal 8 dot/mm

Vertical

Standard

3.85 line/mm (Mono)7.7 line/mm (Color)

Fine

7.7 line/mm (Mono/Color)

Photo

7.7 line/mm (Mono)

Superfine

15.4 line/mm (Mono)

**Speed Dial** 100 stations  $\times$  2 numbers

Groups Up to 6

Broadcasting <sup>1</sup> 250 stations

**Automatic Redial** 3 times at 5 minute intervals

**Ring Delay** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 rings **Communication Source** Public switched telephone network.

Memory Transmission Up to 480 <sup>2</sup>/400 <sup>3</sup> pages
Out of Paper Reception Up to 480 <sup>2</sup>/400 <sup>3</sup> pages

Monochrome only

<sup>2 &#</sup>x27;Pages' refers to the 'Brother Standard Chart No. 1' (a typical business letter, Standard resolution, MMR code). Specifications and printed materials are subject to change without prior notice.

<sup>&</sup>lt;sup>3</sup> 'Pages' refers to the 'ITU-T Test Chart #1' (a typical business letter, Standard resolution, MMR code). Specifications and printed materials are subject to change without prior notice.

# Copy

Color/Monochrome Yes/Yes

**Document Size** ADF Width: 148 mm to 215.9 mm

ADF Length: 148 mm to 355.6 mm Scanner Glass Width: Max. 215.9 mm Scanner Glass Length: Max. 297 mm

Copy Width: Max. 210 mm

Copy Speed Monochrome: Up to 22 pages/minute (A4 paper) <sup>1</sup>

Color: Up to 20 pages/minute (A4 paper) 1

Multiple Copies Stacks/Sorts up to 99 pages

**Enlarge/Reduce** 25% to 400% (in increments of 1%)

Resolution (Mono)

Scans up to 1200×1200 dpiPrints up to 1200×1200 dpi

(Color)

■ Scans up to 600×1200 dpi

■ Prints up to 600×1200 dpi

Based on Brother standard pattern (Fast mode/Stack Copy). Copy speeds vary with the complexity of the document.

#### D

## PhotoCapture Center™

Compatible Media <sup>1</sup> CompactFlash<sup>®</sup>

(Type I only)

(Microdrive™ is not compatible)

(Compact I/O cards such as Compact LAN card and

Compact Modem card are not supported.)

Memory Stick<sup>®</sup> Memory Stick Pro™

Memory Stick Duo™ with adapter Memory Stick Micro (M2)

with adapter

SD<sup>2</sup> SDHC<sup>3</sup>

microSD with adapter miniSD™ with adapter xD-Picture Card™ <sup>4</sup>

USB Flash memory drive <sup>5</sup>

**Resolution** Up to  $1200 \times 2400 \text{ dpi}$ 

**File Extension** 

(Media Format) DPOF, EXIF, DCF (Image Format) Photo Print: JPEG <sup>6</sup>

Scan to Media: JPEG, PDF (Color)

TIFF, PDF (Mono)

Number of Files Up to 999 files

(The folder inside memory cards or USB Flash memory drive

is also counted)

**Folder** File must be stored in the 4th folder level of the memory card

or USB Flash memory drive.

Borderless Letter, A4, Photo (10×15 cm), Photo 2L (13×18 cm)<sup>7</sup>

- Memory cards, adapters and USB Flash memory drive are not included.
- <sup>2</sup> 16MB to 2GB
- 3 4GB to 8GB
- <sup>4</sup> xD-Picture Card™ Conventional Card from 16MB to 512MB

xD-Picture Card<sup>™</sup> Type M from 256MB to 2GB xD-Picture Card<sup>™</sup> Type M<sup>+</sup> 1GB and 2GB xD-Picture Card<sup>™</sup> Type H from 256MB to 2GB

5 USB 2.0 Standard

USB Mass Storage standard from 16 MB to 8 GB

Support format: FAT12/FAT16/FAT32

- <sup>6</sup> Progressive JPEG format is not supported.
- See Paper type and size for each operation on page 17.

# **PictBridge**

**Compatibility** Supports the Camera & Imaging Products Association

PictBridge standard CIPA DC-001.

VIsit <a href="http://www.cipa.jp/pictbridge">http://www.cipa.jp/pictbridge</a> for more information.

Interface USB direct interface

#### D

#### **Scanner**

Color/Monochrome Yes/Yes

TWAIN Compliant Yes (Windows® 2000 Professional/XP/XP Professional x64

Edition/Windows Vista®)

Mac OS® X 10.2.4 or greater <sup>1</sup>

WIA Compliant

Yes (Windows® XP <sup>2</sup>/Windows Vista®)

**Color Depth** 36 bit color Processing (Input)

24 bit color Processing (Output)

(Actual Input: 30 bit color/Actual Output: 24 bit color)

**Resolution** Up to  $19200 \times 19200$  dpi (interpolated) <sup>3</sup>

Up to 1200 × 2400 dpi (optical) (Scanner Glass)

Up to  $1200 \times 600$  dpi (optical) (ADF)

**Scanning Speed** Monochrome: up to 3.44 sec.

Color: up to 4.83 sec.

(A4 size at  $100 \times 100$  dpi)

**Document Size** ADF Width: 148 mm to 215.9 mm

ADF Length: 148 mm to 355.6 mm

Scanner Glass Width: Max. 215.9 mm

Scanner Glass Length: Max. 297 mm

Scanning Width Up to 210 mm

Greyscale 256 levels

<sup>&</sup>lt;sup>1</sup> For the latest driver updates, visit http://solutions.brother.com.

Windows<sup>®</sup> XP in this User's Guide includes Windows<sup>®</sup> XP Home Edition, Windows<sup>®</sup> XP Professional, and Windows<sup>®</sup> XP Professional x64 Edition.

Maximum 1200 x 1200 dpi scanning when using the WIA Driver for Windows<sup>®</sup> XP and Windows Vista<sup>®</sup> (resolution up to 19200 x 19200 dpi can be selected by using the Brother scanner utility)

#### **Printer**

Printer Driver Windows® 2000 Professional/XP/XP Professional x64

Edition/Windows Vista® driver supporting Brother

Native Compression mode

Mac OS® X 10.2.4 or greater <sup>1</sup>: Brother Ink Driver

**Resolution** Up to  $1200 \times 6000 \text{ dpi}$ 

1200 × 2400 dpi 1200 × 1200 dpi 600 × 1200 dpi 600 × 300 dpi

 $600 \times 150$  dpi (Color)  $450 \times 150$  dpi (Mono)

Print Speed Up to 33 pages/minute (Mono) <sup>2</sup>

Up to 27 pages/minute (Color) <sup>2</sup>

Printing Width 204 mm (210 mm) <sup>3 5</sup>

Borderless Letter, A4, A6, Photo (10×15 cm), Index Card,

Photo L (89×127 mm), Photo 2L (13×18 cm),

PostCard 4

<sup>1</sup> For the latest driver updates, visit <a href="http://solutions.brother.com">http://solutions.brother.com</a>.

Based on Brother standard pattern. A4 size in draft mode.

- When you set the Borderless feature to On.
- See Paper type and size for each operation on page 17.
- When printing on A4 size paper.

#### D

### **Interfaces**

USB <sup>12</sup> A USB 2.0 interface cable that is no longer than 2.0 m.

**LAN cable** <sup>3</sup> Ethernet UTP cable category 5 or greater.

Wireless LAN Your machine supports IEEE 802.11b/g wireless communication

with your wireless LAN using Infrastructure mode or a wireless

Peer-to-Peer connection in Ad-hoc Mode.

Your machine has a Hi-speed USB 2.0 interface. The machine can also be connected to a computer that has a USB 1.1 interface.

<sup>&</sup>lt;sup>2</sup> Third party USB ports are not supported for Macintosh<sup>®</sup>.

<sup>3</sup> See the Network User's Guide for detailed network specifications.

## **Computer requirements**

	SUPPORTED OPERATING SYSTEMS AND SOFTWARE FUNCTIONS							
Computer Platform & Operating System Version		Supported PC Software Functions	PC	Processor	Minimum RAM	Recommended RAM	Hard Disk Space to install	
			Interface	Minimum Speed			For Drivers	For Applications
Windows <sup>®</sup> Operating System <sup>1</sup>	2000 Professional	Printing, PC Fax <sup>4</sup> , Scanning, Removable Disk	USB, 10/100 BaseTx (Ethernet), Wireless 802.11b/g	Intel <sup>®</sup> Pentium <sup>®</sup> II or equivalent	64 MB	256 MB	110 MB	340 MB
	XP Home <sup>2</sup> XP Professional <sup>2</sup>				128 MB		110 MB	340 MB
	XP Professional x64 Edition <sup>2</sup>			64-bit (Intel <sup>®</sup> 64 or AMD64) supported CPU	256 MB	512 MB	110 MB	340 MB
	Windows Vista <sup>® 2</sup>			Intel <sup>®</sup> Pentium <sup>®</sup> 4 or equivalent	512 MB	1 GB	600 MB	530 MB
				64-bit (Intel <sup>®</sup> 64 or AMD64) supported CPU				
Macintosh <sup>®</sup> Operating	Mac OS <sup>®</sup> X 10.2.4 - 10.4.3	Printing, PC Fax Send <sup>4</sup> ,	USB <sup>3</sup> , 10/100	PowerPC G4/G5	128 MB	256 MB	80 MB	400 MB
System <sup>5</sup>	Scanning, Removable Disk	BaseTx (Ethernet), Wireless 802.11b/g	PowerPC G3 350MHz					
	Mac OS® X 10.4.4 or greater  Printing, PC FaxSend 4, 10/100 Scanning, Removable Disk Disk USB 3, 10/100 BaseTx (Ethernet), Wireless 802.11b/g	PowerPC G4/G5	512 MB	1 GB				
		Removable	(Ethernet), Wireless	Intel <sup>®</sup> Core <sup>™</sup> Processor				

#### Conditions:

- <sup>1</sup> Microsoft<sup>®</sup> Internet Explorer 5.5 or greater.
- For WIA, 1200 x 1200 resolution. Brother Scanner Utility enables to enhance up to 19200 x 19200 dpi.
- <sup>3</sup> Third party USB ports are not supported.
- <sup>4</sup> PC Fax supports black and white only.
- Presto!® PageManager® on the CD-ROM supports Mac OS® X 10.3.9 or higher. For Mac OS® X 10.2.4-10.3.8 Presto!® PageManager® is available as a download from the Brother Solutions Center.

For the latest driver updates, visit <a href="http://solutions.brother.com/">http://solutions.brother.com/</a>.

All trademarks, brand and product names are property of their respective companies.

## **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

The first time you install a set of ink cartridges the machine will use an amount of ink to fill the ink delivery tubes for high quality printouts. This process will only happen once. With all following ink cartridges you can print the specified number of pages.

The cartridges provided with your machine have a lower yield than

standard cartridges (65%).

Replacement Consumables

<Black> LC990BK, <Cyan> LC990C,
<Magenta>LC990M, <Yellow> LC990Y

Black - Approximately 450 pages <sup>1</sup>

Yellow, Cyan and Magenta - Approximately 550 pages <sup>1</sup>

Approx. cartridge yield is declared in accordance with ISO/IEC 24711.

For more information about the replacement consumables, visit us at http://www.brother.com/pageyield.

#### What is Innobella™?

Innobella<sup>™</sup> is a range of genuine consumables offered by Brother. The name "Innobella<sup>™</sup>" derives from the words "Innovation" and "Bella" (meaning "Beautiful" in Italian) and is a representation of the "innovative" technology providing you with "beautiful" and "long lasting" print results.



When you print photo images, Brother recommends Innobella™ glossy photo paper (BP71 series) for high quality. Brilliant prints are made easier with Innobella™ Ink and paper.

## **Network (LAN)**

LAN You can connect your machine to a network for Network Printing,

Network Scanning, PC Fax Send, PC Fax Receive (Windows $^{(\!0\!)}$  only) and Remote Setup  $^1$ . Also included is Brother BRAdmin Light  $^2$ 

Network Management software.

Support for Windows® 2000 Professional/XP/XP Professional x64

Edition/Windows Vista®

Mac OS® X 10.2.4 or greater <sup>3</sup>

Ethernet 10/100 BASE-TX Auto Negotiation (Wired LAN)

IEEE 802.11 b/g (Wireless LAN)

**Protocols** TCP/IP: ARP, RARP, BOOTP, DHCP, APIPA

(Auto IP), NetBIOS/WINS, LPR/LPD, Custom Raw Port/Port9100, DNS Resolver, mDNS, FTP Server, TELNET, SNMPv1, TFTP, Scanner Port, LLTD responder,

Web Services

Network Security SSID/ESSID, 128 (104) / 64 (40) bit WEP, WPA/WPA2-PSK

(TKIP/AES)

Setup Support Utility SecureEasySetup™ Yes (simple setup with your

SecureEasySetup™-capable access

point/router)

**AOSS™** Yes (simple setup with your AOSS™-capable

access point/router)

WPS Yes (simple setup with your Wi-Fi Protected

Setup<sup>™</sup>-capable access point/router)

See the Computer Requirements chart on page 172.

If you require more advanced printer management, use the latest Brother BRAdmin Professional utility version that is available as a download from http://solutions.brother.com.

For the latest driver updates, visit http://solutions.brother.com.

### Wireless one-push configuration

If your wireless access point supports either SecureEasySetup™, Wi-Fi Protected Setup™ (PBC ¹) or AOSS™, you can configure the machine easily without a computer. By pushing a button on the wireless LAN router / access point and the machine, you can set up the wireless network and security settings. See the users guide for your wireless LAN router / access point for instructions on how to access one-push mode.

Push Button Configuration



Routers or access points that support SecureEasySetup™, Wi-Fi Protected Setup™ or AOSS™ have the symbols shown below.







# Glossary

This is a comprehensive list of features and terms that appear in Brother manuals. Availability of these features depends on the model you purchased.

#### ADF (automatic document feeder)

The document can be placed in the ADF and scanned one page at a time automatically.

#### **Auto Reduction**

Reduces the size of incoming faxes.

#### **Automatic fax transmission**

Sending a fax without picking up the handset of an external telephone.

#### **Automatic Redial**

A feature that enables your machine to redial the last fax number after five minutes if the fax did not go through because the line was busy.

#### **Backup Print**

Your machine prints a copy of every fax that is received and stored in memory. This is a safety feature so you will not lose messages during a power failure.

#### **Batch Transmission**

(Black and white faxes only) As a cost saving feature, all delayed faxes to the same fax number can be sent as one transmission.

#### **Beeper Volume**

Volume setting for the beep when you press a key or make an error.

#### **Brightness**

Changing the Brightness makes the whole image lighter or darker.

#### Broadcasting

The ability to send the same fax message to more than one location.

#### Caller ID

A service purchased from the telephone company that lets you see the number (or name) of the party calling you.

#### **CNG** tones

The special tones (beeps) sent by fax machines during automatic transmission to tell the receiving machine that a fax machine is calling.

#### **Coding method**

Method of coding the information contained in the document. All fax machines must use a minimum standard of Modified Huffman (MH). Your machine is capable of greater compression methods, Modified Read (MR), Modified Modified Read (MMR) and JPEG, if the receiving machine has the same capability.

#### **Color Enhancement**

Adjusts the color in the image for better print quality by improving sharpness, white balance and color density.

#### Communication error (Comm. Error)

An error during fax sending or receiving, usually caused by line noise or static.

#### Compatibility group

The ability of one fax unit to communicate with another. Compatibility is assured between ITU-T Groups.

#### Contrast

Setting to compensate for dark or light documents, by making faxes or copies of dark documents lighter and light documents darker.

#### **Delayed Fax**

Sends your fax at a specified time later.

#### **Dual Access**

Your machine can scan outgoing faxes or scheduled jobs into memory at the same time it is sending a fax from memory or receiving or printing an incoming fax.

#### **ECM (Error Correction Mode)**

Detects errors during fax transmission and resends the pages of the fax that had an error.

#### **Extension telephone**

A telephone using the same line as your fax but plugged into a separate wall socket.

#### External telephone

A TAD (telephone answering device) or telephone that is connected to your machine.

#### F/T Ring Time

The length of time that the Brother machine rings (when the Receive Mode setting is Fax/Tel) to notify you to pick up a voice call that it answered.

#### **Fax Detect**

Enables your machine to respond to CNG tones if you interrupt a fax call by answering it.

#### **Fax Forwarding**

Sends a fax received into the memory to another pre-programmed fax number.

#### **Fax Journal**

Lists information about the last 200 incoming and outgoing faxes. TX means Transmit. RX means Receive.

#### Fax Storage

You can store received faxes in memory.

#### Fax tones

The signals sent by sending and receiving fax machines while communicating information.

#### Fax/Tel

You can receive faxes and telephone calls. Do not use this mode if you are using a telephone answering device (TAD).

#### Fine resolution

Resolution is  $203 \times 196$  dpi. It is used for small print and graphs.

#### Greyscale

The shades of grey available for copying, scanning and faxing photographs.

#### **Group number**

A combination of Speed Dial numbers that are stored in a Speed Dial location for Broadcasting.

#### **Help list**

A printout of the complete Menu table that you can use to program your machine when you do not have the User's Guide with you.

#### Innobella™

Innobella™ is a range of genuine consumables offered by Brother. For best quality results Brother recommends Innobella™ Ink and Paper.

#### **Journal Period**

The pre-programmed time period between automatically printed Fax Journal Reports. You can print the Fax Journal on demand without interrupting the cycle.

#### LCD (liquid crystal display)

The display screen on the machine that shows interactive messages during On-Screen Programming and shows the date and time when the machine is idle.

#### Manual fax

When you lift the handset of your external telephone you can hear the receiving fax machine answer before you press **Mono Start** or **Color Start** to begin sending the fax.

#### **Memory Receive**

Receives faxes into the machine's memory when the machine is out of paper.

#### Menu mode

Programming mode for changing your machine's settings.

#### OCR (optical character recognition)

The bundled Presto!® PageManager® software application converts an image of text to text you can edit.

#### **Overseas Mode**

Makes temporary changes to the fax tones to accommodate noise and static on overseas telephone lines.

#### **Pause**

Allows you to place a 3.5 second delay in the dialling sequence while you are dialling using the dial pad or while you are storing Speed Dial numbers. Press **Redial/Pause** as many times as needed for longer pauses.

#### PhotoCapture Center™

Allows you to print digital photos from your digital camera at high resolution for photo quality printing.

#### Photo resolution (Mono only)

A resolution setting that uses varying shades of grey for the best representation of photographs.

#### **PictBridge**

Allows you to print photos directly from your digital camera at high resolution for photo quality printing.

#### **Polling**

The process of a fax machine calling another fax machine to retrieve waiting fax messages.

#### Pulse

A form of rotary dialling on a telephone line.

#### **Quick Dial List**

A listing of names and numbers stored in Speed Dial memory, in numerical order.

#### **Real Time Transmission**

When memory is full, you can send faxes in real time.

#### Remaining jobs

You can check which jobs are waiting in memory and cancel jobs individually.

#### Remote Access Code

Your own four-digit code (---\*) that allows you to call and access your machine from a remote location.

#### **Remote Activation Code**

Press this code (\* **5 1**) when you answer a fax call on an extension or external telephone.

## Remote Deactivation Code (For Fax/Tel mode only)

When the machine answers a voice call, it pseudo/double-rings. You can pick up at an extension telephone by pressing this code (# 5 1).

#### Remote Retrieval Access

The ability to access your machine remotely from a touch tone telephone.

#### Resolution

The number of vertical and horizontal lines per inch. See: Standard, Fine, Super Fine and Photo.

#### Ring Delay

The number of rings before the machine answers in Fax Only and Fax/Tel modes.

#### Ring Volume

Volume setting for the machine's ring.

#### Scanning

The process of sending an electronic image of a paper document into your computer.

#### Scan to Media

You can scan a monochrome or color document into a memory card or USB Flash memory drive. Monochrome images will be in TIFF or PDF file format and color images may be in PDF or JPEG file format.

#### Search

An electronic, numerical or alphabetical listing of stored Speed Dial and Group numbers.

#### Speed Dial

A pre-programmed number for easy dialling. You must press (Speed Dial), the two digit code, and Mono Start or Color Start to start the dialling process.

#### Standard resolution

 $203 \times 97$  dpi. It is used for regular size text and quickest transmission.

#### Station ID

The stored information that appears on the top of faxed pages. It includes the sender's name and fax number.

#### **Super Fine resolution (Mono only)**

 $392 \times 203$  dpi. Best for very small print and line art.

#### TAD (telephone answering device)

You can connect an external TAD to your machine.

#### **Temporary settings**

You can choose certain options for each fax transmission and copy without changing the default settings.

#### **Tone**

A form of dialling on the telephone line used for Touch Tone telephones.

#### **Transmission**

The process of sending faxes over the phone lines from your machine to the receiving fax machine.

#### **Transmission Verification Report**

A listing for each fax sent, that shows its date, time and number.

#### **User Settings**

A printed report that shows the current settings of the machine.

## Index

A	page layout (N in 1)	
	paper size	
Access codes, storing and dialling60	paper type	
ADF (automatic document feeder) 19, 30	quality	
Answering machine (TAD)50	return to factory settings	
connecting51 Apple <sup>®</sup> Macintosh <sup>®</sup>	set new defaultsingle	
	•	
See Software User's Guide on the	sort (ADF only)	
CD-ROM.	using ADFusing scanner glass	
Automatic fax receive37	Watermark	
Fax Detect40	using a media card	
rax Delect40	using a media cardusing a paper document	
В		
D	using a USB Flash moment drive	
Drandonsting 22	using a USB Flash memory drive	
Broadcasting32 setting up Groups for58	Cordless telephone  Custom telephone features on a sing	
setting up Groups for56	line	
С	III.E	110
	D	
Caller ID	<u> </u>	
Caller ID history55	Dialling	
Caller ID History report62	a pause	56
Cancelling	Caller ID history	
Fax Forwarding46	Groups	
jobs awaiting redial35	manual	
Cleaning	Outgoing Call	
paper pick-up roller136	Speed Dial	
print head136	Direct printing	
printer platen135	from a non-PictBridge camera	99
scanner135	from a PictBridge camera	
Connecting	Document Document	
external TAD50	loading	19. 20
external telephone52	Dual Access	
Consumable items173	24a, 7,00000	
Control panel overview6	E	
ControlCenter	_	
See Software User's Guide on the	Envelopes11,	17. 18
CD-ROM.	Error messages on LCD	
Copy	B&W Print Only	
book73	Cannot Detect	
brightness	Cannot Print	
contrast72	Comm. Error	
enlarge/reduce70	Ink Low	
enter Copy mode68	No Cartridge	
multiple68	No Paper Fed	
out of memory 76		124 54 124

Out of Memory		enter Fax mode	
while scanning a document		from ADF	
Unable to Clean		from memory (Dual Access)	
Unable to Init		from scanner glass	
Unable to Print		manual	
Unable to Scan		overseas	
Extension telephone, using		Real Time Transmission	
External telephone, connecting	52	Resolution	
_		return to factory setting	
F		set new default	
		telephone line interference	120
Fax codes		Fax/Tel mode	
changing		answering at extension telephone	
Remote Access Code		Remote Activation Code	
Remote Activation Code	•	Remote Deactivation Code	
Remote Deactivation Code		Ring Delay	39
using			
Fax Detect	40	G	
Fax Forwarding			
changing remotely		Greyscale	
programming a number		Groups for Broadcasting	58
Fax Storage			
printing from memory		Н	
turning off	42		
turning on	41	Help	
Fax, from PC		LCD messages	
See Software User's Guide on the	ie	using Mode and menu keys	
CD-ROM.		Menu Table	. 142, 143
Fax, stand-alone			
receiving			
at end of conversation			
difficulties		Ink cartridges	
F/T Ring Time, setting		checking ink volume	
Fax Detect		ink dot counter	
Fax Forwarding		replacing	
from extension telephone		Innobella™	173
into PC			
into the memory		J	
out of paper reception			
printing from memory	44	Jams	
reducing to fit on paper	43	document	127
retrieving from a remote site		paper	128
Ring Delay, setting	39		
telephone line interference	120	L	
sending	30, 63		
Broadcasting	32	LCD (liquid crystal display)	
cancelling from memory	35	Brightness	
contrast	33	Contrast	
delayed batch transmission	35	Dim Timer	25
delayed fax	35	Help List	62

M	DPOF printing	88
	from PC	
Macintosh <sup>®</sup>	See Software User's Guide on the	he
See Software User's Guide on the	CD-ROM.	
CD-ROM.	Memory Stick Pro™	
Maintenance, routine	Memory Stick <sup>®</sup>	78
replacing ink cartridges131	Photo Effects	
Manual	Auto Correct	83
dialling54	Enhance Scenery	84
receive37	Enhance Skin-Tone	84
transmission36	Monochrome	85
Memory Security65	Remove Red-Eye	85
Memory Storage142	Sepia	86
Menu Table142	Preview photos	81
Mode, entering	Print settings	
Copy68	Brightness	
Fax30	Color enhancement	91
PhotoCapture6, 81	Contrast	91
Scan 6, 94	Paper type & size	90, 91
Multi-line connections (PBX)51	Quality	
	Return to factory setting	93
N	Set new default	93
	Printing	
Network	all photos	87
Printing	index	82
See Network User's Guide on the	photos	83
CD-ROM.	Scan to memory card	94
Scanning	Scan to USB flash memory	
See Software User's Guide on the	SD	
CD-ROM.	SDHC	
	Search by Date	
P	Slide-Show	
	specifications	
Packing the machine139	Trimming	
Paper 15, 163	xD-Picture Card™	78
capacity18	PictBridge	
loading9, 11	DPOF Printing	
loading envelopes and postcard11	Power failure	142
loading photo paper13	Presto! <sup>®</sup> PageManager <sup>®</sup>	
printable area14	See Help in Presto!® PageManag	er®
size23	application	
size of document19	Print	
type17, 22	difficulties	114, 116
Photo Paper Tray13	drivers	170
PhotoCapture Center™	fax from memory	44
Adding Effect83	paper jams	
Borderless93	printable area	
CompactFlash <sup>®</sup> 78	report	
Cropping92	resolution	
	specifications	170

on small paper         14         copy         166           See Software User's Guide on the CD-ROM.         fax         164           Programming your machine         142         scan         169           Setting for next fax         34           Ring Delay, setting         39           Quick Dial         Setting for next fax         34           Broadcasting         32           using Groups         32         Safety Instructions         105           Scannable area         20           Scannable area         20           Scanning         See Software User's Guide on the           CD-ROM.         Shipping the machine         139           Shipping the machine         139           Setting up by 2-digit location         56         Speed Dial         Speed Dial           setting up from Caller ID history         57         setting up         56, 57, 58           setting up from outgoing calls         56         using         56	Printing	Resolution	
See Software User's Guide on the CD-ROM.  Programming your machine	•		166
Scan   168			
Setting for next fax   34	CD-ROM.	print	170
Quick Dial  Broadcasting Groups Group 32 using Groups Group 32 changing changing Search Setting up Groups for Broadcasting Search Speed Dial changing Setting up by 2-digit location Setting up from Caller ID history Setting up from outgoing calls Setting up from outgoing calls Setting up from outgoing calls Setting up from caller ID history Setting up from outgoing calls Setting up from caller ID history Setting up from caller ID fire from connecting Setting up from caller ID fire from caller ID	Programming your machine142	scan	169
Safety Instructions   105		setting for next fax	34
Broadcasting	Q	Ring Delay, setting	39
Using Group dial   Changing   Seroup dial   Scannable area   20   Scannable area   20	Quick Dial	S	
Scannable area   20	Broadcasting32		
changing         .56, 57, 58         Seatting up Groups for Broadcasting         .58           Search         .54         CD-ROM.           Speed Dial         Shipping the machine         .138           changing         .56, 57, 58         Sleep Mode         .24           setting up by 2-digit location         .56         Speed Dial         .56           setting up from Caller ID history         .57         setting up         .56, 57, 58           setting up from outgoing calls         .56         setting up         .56           using         .54         T           TA           TA         Clelephone answering device),           external TAD         .37         connecting         .56, 57, 58           setting up         .56         .57, 58         setting up         .56           sex Software         .54         TAD (telephone answering device),         external         .37, 50           Textral TAD         .37         connecting         .50, 51         receive mode         .37         receive mode         .37         recording OGM         .51           Reducing         .50         .51         difficulties         .116         interference         .12         di	using Groups32		
setting up Groups for Broadcasting         58           Search         54           Speed Dial         56, 57, 58           changing         56, 57, 58           setting up by 2-digit location         56           setting up from Caller ID history         57           setting up from outgoing calls         56           using         54           setting up from outgoing calls         56           using         54           setting up from outgoing calls         56           using         54           setting up from outgoing calls         56           using         56, 57, 58           setting up from outgoing calls         56           using         56           setting up from outgoing calls         56           using         56, 57, 58           setting up from outgoing calls         56           using         56           setting up from outgoing calls         56           using         56           setting up from outgoing calls         56           setting up from caller ID history         37           fex correliance         37           receive mode         37           receive mode		Scannable area	20
Search         54         CD-ROM.           Speed Dial         Shipping the machine         139           changing         56, 57, 58         Sleep Mode         24           setting up from Caller ID history         57         setting up from outgoing calls         56           setting up from outgoing calls         56         setting up         56           using         54         setting up         56           Receive Mode         External TAD         37         setting up         56           External TAD         37         connecting         50, 51         54           Reducing         37         receive mode         37, 50         50, 51         55           Reducing         37         recording OGM         51         56         56         56         57, 56         56         56         57, 56         56         57, 56         56         56         57, 56         56         57, 56         56         57, 56         56         57, 56         57, 56         56         57, 56         57, 56         57         56         57         56         57         56         57         56         57         56         57         56         57         56		•	
Speed Dial         Shipping the machine         138           changing         56, 57, 58         Sleep Mode         24           setting up from Caller ID history         57         setting up from outgoing calls         56           setting up from outgoing calls         56         using         56, 57, 58           setting up from outgoing calls         56         setting up         56           using         54         T           TAD (telephone answering device), external         37, 50           Fax Only         37         connecting         50, 51           Fax/Tel         37         connecting         50, 51           Redial/Pause         54         Telephone line         connections         51           Reducing         70         intreference         120         ifficulties         116           copies         70         interference         120         multi-line (PBX)         51           Remote Retrieval         44         44         access code         44, 45         acreations         150           Remote Setup         5experial characters         160         fransferring your faxes or Fax Journal report         120         fransferring your faxes or Fax Journal report         160 <td< td=""><td></td><td>See Software User's Guide on the</td><td></td></td<>		See Software User's Guide on the	
changing         56, 57, 58         Sleep Mode         24           setting up by 2-digit location         .56         speed Dial         .56, 57, 58           setting up from Caller ID history         .57         changing         .56, 57, 58           setting up from outgoing calls         .56         setting up         .56           using         .54         setting up         .56           Receive Mode         .54         setting up         .56           External TAD         .37         connection         .54           Fax Only         .37         connecting         .50, 51           Fax/Tel         .37         connecting         .50, 51           Redial/Pause         .54         receive mode         .37, 50            Redial/Pause         .54         receive mode         .37           Reducing         .54         recording OGM         .51           Reducing         .00         .51           copies         .70         difficulties         .116           incoming faxes         .43         access code         .44         .44         access code         .44         .45         rext, entering         .160           Remote Retrieval         .46			
setting up by 2-digit location         .56         setting up from Caller ID history         .57         setting up from outgoing calls         .56         using         .56         setting up         .56         .57         setternal         .50         .51         .51         .51         .51         .51         .51         .51         .51         .51			
setting up from Caller ID history setting up from outgoing calls 56 using 54  Receive Mode  External TAD 55  External TAD 37  Fax Only 37  Fax/Tel 37  Manual 37  Redial/Pause 54  Reducing 56  Incoming faxes 43  Remote Retrieval 44  access code 444, 45  commands 46  Remote Setup 58  See Software User's Guide on the CD-ROM.  Reports 61  Caller ID 62  Caller ID History Report 62  Fax Journal Period 61  Help List 62  Network Configuration 62  Network Configuration 61, 62  Network Configuration 61, 62  PhotoCapture Center™ 115			24
setting up from outgoing calls using         56 using         setting up         56           R         T           Receive Mode         T         T           External TAD         37         Fax Only         37 connecting         50, 51           Fax/Tel         37         connecting         50, 51         receive mode         37, 50           Manual         37         receive mode         37         recording OGM         51           Reducing         50         difficulties         116         interference         120           Remote Retrieval         44         44         45         Text, entering         160           See Software User's Guide on the         62         Transparencies         15, 18, 163<			
Receive Mode         External TAD       37         Fax Only       37         Fax/Tel       37         Manual       37         Redial/Pause       54         Reducing       54         copies       70         incoming faxes       43         Remote Retrieval       44         access code       44, 45         commands       46         Remote Setup       52         See Software User's Guide on the       70         CD-ROM.       17         Reports       61         Caller ID       62         Caller ID History Report       62         Caller ID History Report       62         Journal Period       61         Help List       62         how to print       62         Network Configuration       62         Quick Dial List       62         Network Configuration       61         Transmission Verification       61, 62     TAD (telephone answering device), external         37       connecting       37         recording OGM       51         Telephone line       connections	<u> </u>		
Table   Tab		• .	
Receive Mode         TAD (telephone answering device), external         37, 50           Fax Only         37 connecting         50, 51           Fax/Tel         37 receive mode         37           Manual         37 recording OGM         51           Redial/Pause         54         Telephone line           Reducing         connections         51           copies         70         difficulties         116           incoming faxes         43         interference         120           Remote Retrieval         44         multi-line (PBX)         51           access code         44, 45         Text, entering         160           commands         46         special characters         160           Remote Setup         See Software User's Guide on the         Transferring your faxes or Fax Journal         160           See Software User's Guide on the         Transparencies         15, 18, 163           Caller ID         62         checking ink volume         136           Caller ID History Report         62         document jam         127           Fax Journal         62         error messages on LCD         121           Journal Period         61         if you are having difficulty         co	using54	using	54
External TAD       37       external       37, 50         Fax Only       37       connecting       50, 51         Fax/Tel       37       receive mode       37         Manual       37       recording OGM       51         Redial/Pause       54       Telephone line         Reducing       connections       51         copies       70       difficulties       116         incoming faxes       43       interference       120         Remote Retrieval       44       multi-line (PBX)       51         access code       44, 45       Text, entering       160         commands       46       special characters       160         see Software User's Guide on the       Transferring your faxes or Fax Journal       report       126         CD-ROM.       Transparencies       15, 18, 163       163         Reports       61       Troubleshooting       114         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118	R	T	
External TAD       37       external       37, 50         Fax Only       37       connecting       50, 51         Fax/Tel       37       receive mode       37         Manual       37       recording OGM       51         Redial/Pause       54       Telephone line         Reducing       connections       51         copies       70       difficulties       116         incoming faxes       43       interference       120         Remote Retrieval       44       multi-line (PBX)       51         access code       44, 45       Text, entering       160         commands       46       special characters       160         see Software User's Guide on the       Transferring your faxes or Fax Journal       report       126         CD-ROM.       Transparencies       15, 18, 163       163         Reports       61       Troubleshooting       114         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118	Pagaiya Mada	TAD (telephone anguaring device)	
Fax Only         37         connecting         50, 51           Fax/Tel         37         receive mode         37           Manual         37         recording OGM         51           Redial/Pause         54         Telephone line         51           Reducing         connections         51         51           copies         70         difficulties         116           incoming faxes         43         interference         120           Remote Retrieval         44         multi-line (PBX)         51           access code         44, 45         Text, entering         160           commands         46         special characters         160           Remote Setup         Transferring your faxes or Fax Journal         report         126           See Software User's Guide on the         Transparencies         15, 18, 163           Caller ID         62         checking ink volume         138           Caller ID History Report         62         document jam         127           Fax Journal         62         error messages on LCD         121           Journal Period         61         if you are having difficulty           Help List         62         copy			, 50
Fax/Tel       37       receive mode       37         Manual       37       recording OGM       51         Redial/Pause       54       Telephone line         Reducing       connections       51         copies       70       difficulties       116         incoming faxes       43       interference       120         Remote Retrieval       44       multi-line (PBX)       51         access code       44, 45       Text, entering       160         commands       46       special characters       160         Remote Setup       Transferring your faxes or Fax Journal       report       126         See Software User's Guide on the       Transferring your faxes or Fax Journal       report       126         Caller ID       62       checking ink volume       136         Caller ID History Report       62       checking ink volume       137         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62			
Manual       37       recording OGM       51         Redial/Pause       54       Telephone line         Reducing       connections       51         copies       70       difficulties       116         incoming faxes       43       interference       120         Remote Retrieval       44       multi-line (PBX)       51         access code       44, 45       Text, entering       160         commands       46       special characters       160         Remote Setup       Transferring your faxes or Fax Journal       report       120         See Software User's Guide on the       Transparencies       15, 18, 163         CD-ROM.       Transparencies       15, 18, 163         Reports       61       Troubleshooting       114         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127		•	
Redial/Pause         54         Telephone line           Reducing         connections         51           copies         70         difficulties         116           incoming faxes         43         interference         120           Remote Retrieval         44         multi-line (PBX)         51           access code         44, 45         Text, entering         160           commands         46         special characters         160           Remote Setup         Transferring your faxes or Fax Journal         report         126           CD-ROM.         Transparencies         15, 18, 163           Reports         61         Troubleshooting         114           Caller ID         62         checking ink volume         138           Caller ID History Report         62         document jam         127           Fax Journal         62         error messages on LCD         121           Journal Period         61         if you are having difficulty           Help List         62         copying         118           how to print         62         document jam         127           Network Configuration         62         ncoming calls         117			
Reducing         connections         51           copies         70         difficulties         116           incoming faxes         43         interference         120           Remote Retrieval         44         multi-line (PBX)         51           access code         44, 45         Text, entering         160           commands         46         special characters         160           Remote Setup         Transferring your faxes or Fax Journal         report         126           CD-ROM.         Transparencies         15, 18, 163           Reports         61         Troubleshooting         114           Caller ID         62         checking ink volume         138           Caller ID History Report         62         document jam         127           Fax Journal         62         error messages on LCD         121           Journal Period         61         if you are having difficulty         16           Help List         62         copying         118           how to print         62         document jam         127           Network Configuration         62         incoming calls         117           Quick Dial List         62         PhotoCap		——————————————————————————————————————	51
copies         70         difficulties         116           incoming faxes         43         interference         120           Remote Retrieval         44         multi-line (PBX)         51           access code         44, 45         Text, entering         160           commands         46         special characters         160           Remote Setup         Transferring your faxes or Fax Journal         120           See Software User's Guide on the         report         120           CD-ROM.         Transparencies         15, 18, 163           Reports         61         Troubleshooting         114           Caller ID         62         checking ink volume         138           Caller ID History Report         62         document jam         127           Fax Journal         62         error messages on LCD         121           Journal Period         61         if you are having difficulty         18           Help List         62         document jam         127           how to print         62         document jam         127           Network Configuration         62         incoming calls         117           Quick Dial List         62         PhotoCa			<b>5</b> 1
incoming faxes       43       interference       120         Remote Retrieval       44       multi-line (PBX)       51         access code       44, 45       Text, entering       160         commands       46       special characters       160         Remote Setup       Transferring your faxes or Fax Journal       report       126         CD-ROM.       Transparencies       15, 18, 163         Reports       61       Troubleshooting       114         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty       126         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       119         Transmission Verification       61, 62       PhotoCapture Center™       119			
Remote Retrieval       44       multi-line (PBX)       51         access code       44, 45       Text, entering       160         commands       46       special characters       160         Remote Setup       Transferring your faxes or Fax Journal       126         See Software User's Guide on the CD-ROM.       Transparencies       15, 18, 163         Reports       61       Troubleshooting       114         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty       126         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       119			
access code       44, 45       Text, entering       160         commands       46       special characters       160         Remote Setup       Transferring your faxes or Fax Journal       160         See Software User's Guide on the CD-ROM.       Transferring your faxes or Fax Journal       126         Reports       61       Transparencies       15, 18, 163         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty       128         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       119			
commands       46       special characters       160         Remote Setup       Transferring your faxes or Fax Journal       160         See Software User's Guide on the CD-ROM.       report       126         Reports       61       Transparencies       15, 18, 163         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty       copying       118         Help List       62       document jam       127         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       119         Transmission Verification       61, 62       PhotoCapture Center™       118			
Remote Setup       Transferring your faxes or Fax Journal         See Software User's Guide on the CD-ROM.       report       126         Reports       61       Transparencies       15, 18, 163         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty       copying       118         Help List       62       document jam       127         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       118	•		
See Software User's Guide on the CD-ROM.       report       126         Reports       61       Transparencies       15, 18, 163         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       118			100
CD-ROM.       Transparencies       15, 18, 163         Reports       61       Troubleshooting       114         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       119         Transmission Verification       61, 62       PhotoCapture Center™       118			126
Reports       61       Troubleshooting       114         Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       119         Transmission Verification       61, 62       PhotoCapture Center™       119			
Caller ID       62       checking ink volume       138         Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       119         Transmission Verification       61, 62       PhotoCapture Center™       119			
Caller ID History Report       62       document jam       127         Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       119         Transmission Verification       61, 62       PhotoCapture Center™       119			
Fax Journal       62       error messages on LCD       121         Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       118			
Journal Period       61       if you are having difficulty         Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       118			
Help List       62       copying       118         how to print       62       document jam       127         Network Configuration       62       incoming calls       117         Quick Dial List       62       Network       118         Transmission Verification       61, 62       PhotoCapture Center™       118			141
how to print62document jam127Network Configuration62incoming calls117Quick Dial List62Network119Transmission Verification61, 62PhotoCapture Center™119			119
Network Configuration62incoming calls117Quick Dial List62Network119Transmission Verification61, 62PhotoCapture Center™119	•		
Quick Dial List    62    Network    119      Transmission Verification    61, 62    PhotoCapture Center™    119			
Transmission Verification 61, 62 PhotoCapture Center™			
	•		

printing received faxes	117 118 118 116
turning on/off	28
V	
Volume, setting beeperring speaker	23
W	
Windows <sup>®</sup> See Software User's Guide on the CD-ROM. Wireless Network See Quick Setup Guide and Networl User's Guide on the CD-ROM.	k



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