brother®

USER'S GUIDE

MFC-5890CN
MFC-6490CW

Version A

ARL/ASA/NZ

If you need to call Customer Service

Please complete the following information for future reference:

Model Number: MFC-5890CN and MFC-6490CW (Circle your model number)

Serial Number: [1] _____

Date of Purchase: _____

Place of Purchase: _____

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

Register your product on-line at

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

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

- may serve as confirmation of the purchase date of your product should you lose your receipt; and

- may support an insurance claim by you in the event of product loss covered by insurance.

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.

Table of Contents

Section I   General

1   General Information   2

2   Loading paper and documents   9

3   General setup   25

4 Security features 33

Section II Fax

5 Sending a Fax 40

6   Receiving a Fax   49

Section III Copy

Section IV Direct Photo Printing

Section V Software

Section VI Appendixes

Section I

General

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 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.

Improper Setup icons alert you to devices and operations that are not compatible with the machine.

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®)

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.

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

📝 Note

If this window does not appear, use Windows® 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® 2000 Professional/Windows® XP and Windows Vista®)

- *ControlCenter3* (For Windows® 2000 Professional/Windows® XP and Windows Vista®)

- *Network Scanning*

ScanSoft™ PaperPort™ 11SE with OCR How-to-Guides

- The complete ScanSoft™ PaperPort™ 11SE with OCR How-to-Guides can be viewed from the Help selection in the ScanSoft™ PaperPort™ 11SE application.

Presto!® PageManager® User's Guide

(Hong Kong users only)

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

How to find Network setup instructions (MFC-6490CW only)

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®)

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.
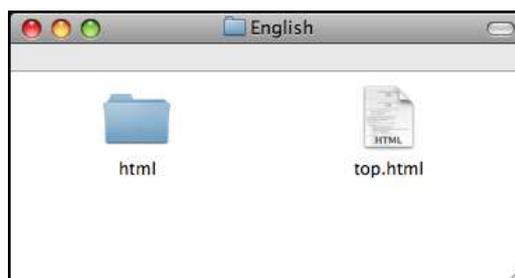
5 Click the documentation you want to read:

- **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® X 10.2.4 or greater)

Presto!® PageManager® User's Guide

- The complete Presto!® PageManager® User's Guide can be viewed from the Help selection in the Presto!® PageManager® application.

How to find Network setup instructions (MFC-6490CW only)

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 (http://www.brother.com), click **Brother Home Page**.

- For the latest news and product support information (http://solutions.brother.com), click **Brother Solutions Center**.

- To visit our web site for original Brother Supplies (http://www.brother.com/original/), click **Supplies Information**.

- To access the Brother CreativeCenter (http://www.brother.com/creativecenter/) 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**.

MFC-6490CW Control panel overview

The **MFC-5890CN** and **MFC-6490CW** have the same control panel keys.
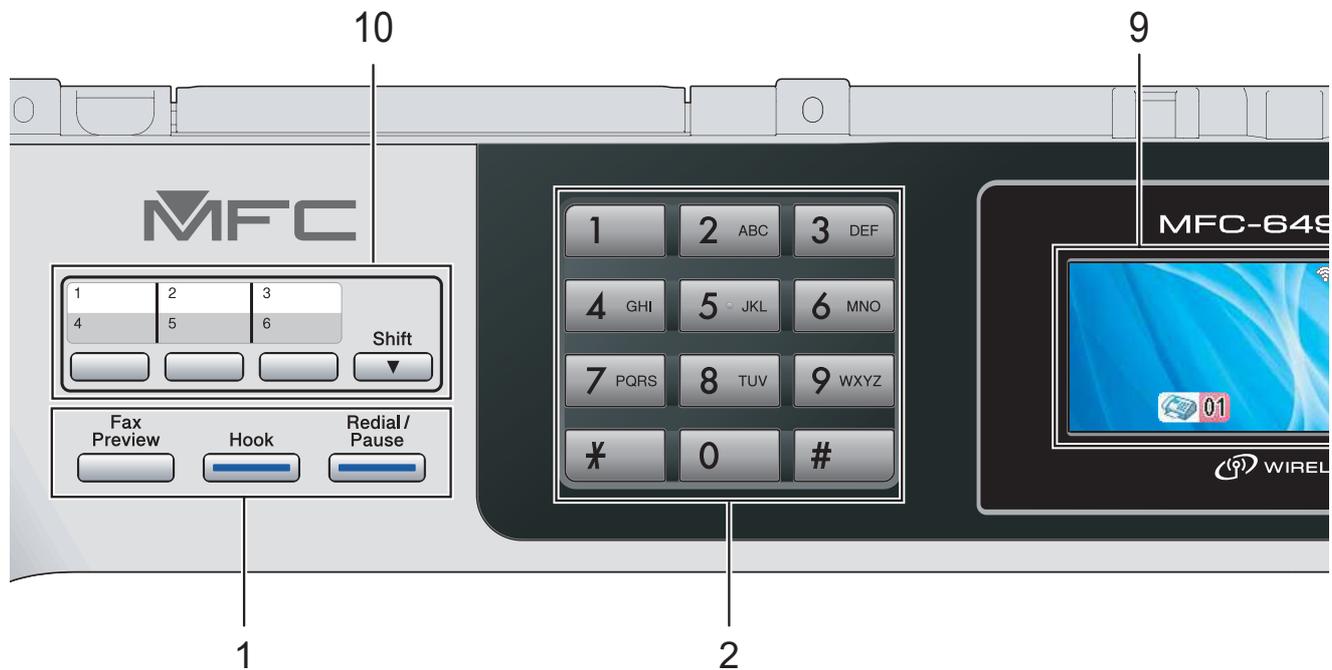
Note

Most of the illustrations in this User's Guide show the MFC-6490CW.

1 Fax and telephone keys:

- **Fax Preview**

  Lets you preview incoming and outgoing faxes on the LCD.

- **Hook**

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

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

- **Redial/Pause**

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

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. (Not Available in New Zealand)

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.

- **Phone Book key**

  Press to store One Touch, Speed Dial and Group numbers in the machine's memory.

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

1

9   8   7   6

3   4   5
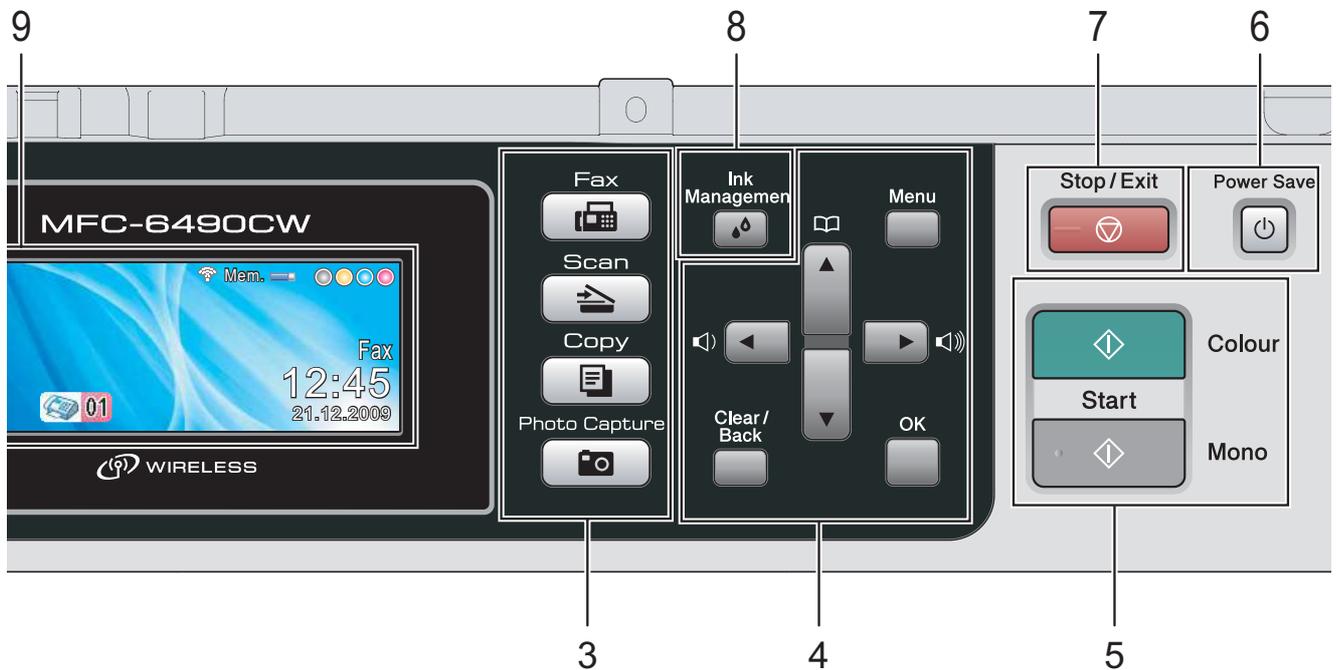
■ ◀ or ▶

Press to scroll backward or forward to a menu selection.

Also, press to choose options.

■ ▲ or ▼

Press to scroll through the menus and options.

■ **Menu**

Access the main menu.

■ **OK**

Choose a setting.

■ **Clear/Back**

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

5 **Start keys:**

■   **Colour Start**

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

6 **Power Save**

Lets you put the machine into Power Save mode.

7   **Stop/Exit**

Stops an operation or exits from a menu.

8 **Ink Management**

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

9 **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.

10 **One Touch keys**

These 3 keys give you instant access to 6 previously stored numbers.

Shift

To access One Touch numbers 4 to 6, hold down **Shift** as you press the One Touch key.

Also, if no number is assigned to the key, you can directly store the number by pressing the empty key.

LCD screen indications

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

1 Wireless Status (MFC-6490CW only)

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

0   Max

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.

Note

(MFC-6490CW)

If you receive a fax containing multiple paper sizes (for example, a page of A4 data and a page of A3 data), the machine may create and store a file for each paper size. The LCD may show that more than one fax job has been received.

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**.

2. 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:
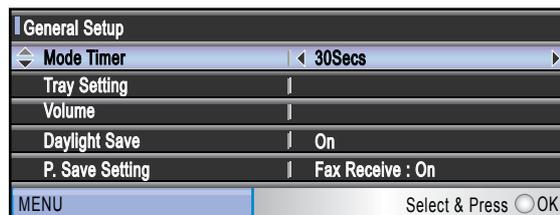
5. Press **Stop/Exit**.

2 Loading paper and documents

Loading paper and other print media

Note

(MFC-6490CW only)

- For Tray #2, see *Loading paper in paper tray #2 (MFC-6490CW only)* on page 12.

- If the tray used for Fax mode is set to `Auto Select` you should open and close the scanner cover to reset the machine after refilling paper tray #1.

Loading paper in paper tray #1

(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.
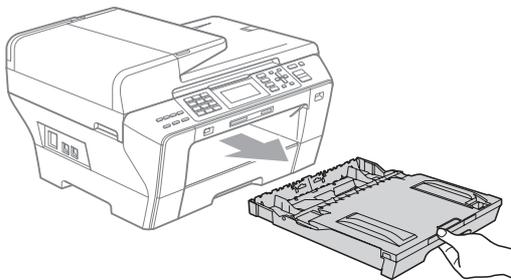
Note

- When you are using A3, Legal or Ledger size paper, press and hold the universal guide release button (1) as you slide out the front of the paper tray.
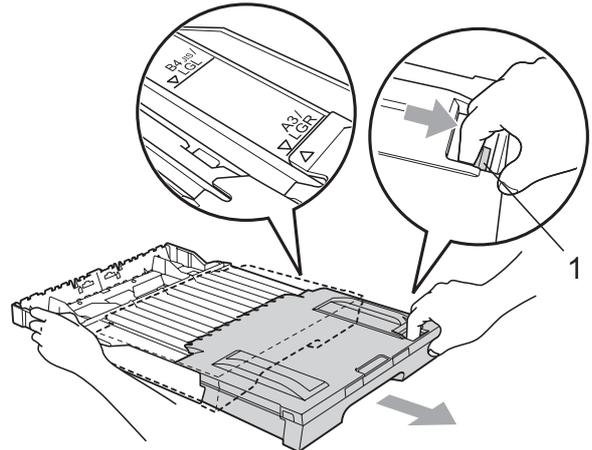
- If you are using A5 or smaller size paper, make sure that the paper tray is not extended.

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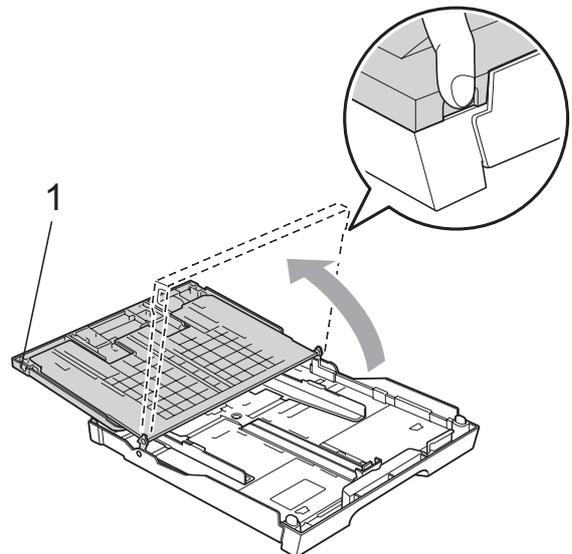
c With both hands, gently press and slide the paper side guides (1) and then the paper length guide (2) to fit the paper size. Make sure that the triangular marks (3) on the paper side guides (1) and paper length guide (2) line up with the mark for the paper size you are using.

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

Note

Always make sure that the paper is not curled.

e 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.

f Gently adjust the paper side guides to the paper with both hands.
Make sure the paper side guides touch the sides of the paper.
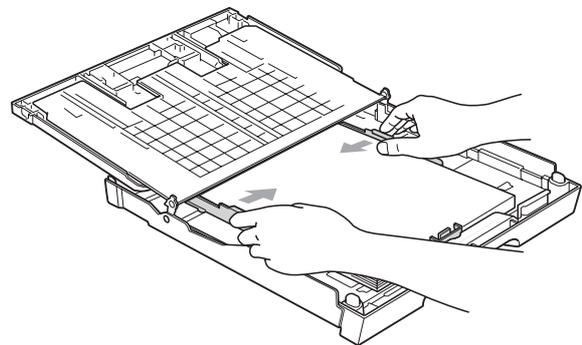
Note

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.

g Close the paper tray cover.
Check that the paper is flat in the tray
and below the maximum paper mark (1).
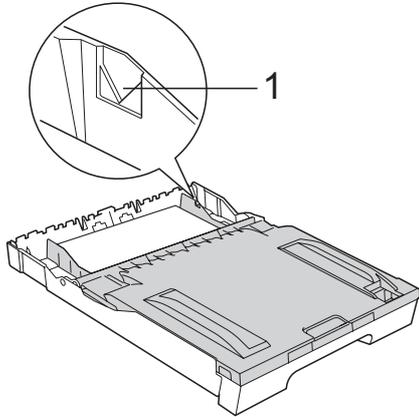
h *Slowly* push the paper tray completely
into the machine.
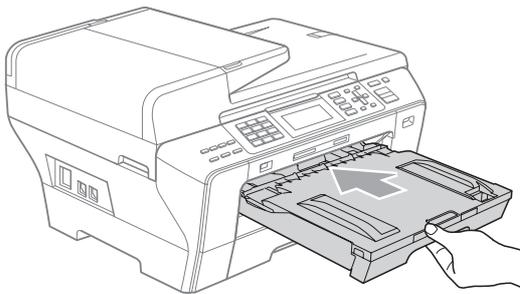
⚠ WARNING

DO NOT push Tray #1 into the machine too
quickly. Doing this may cause injury to your
hand by trapping it between Tray #1 and
Tray #2. Please push Tray #1 slowly.

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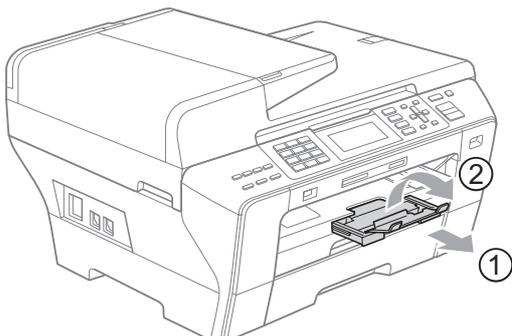
📝 Note

When you shorten Tray#1, take the paper
out of the tray. Then shorten the tray by
pressing the universal guide release
button (1). Adjust the paper length
guide (2) to fit the paper size you are going
to use. Then put the paper into the tray.

2
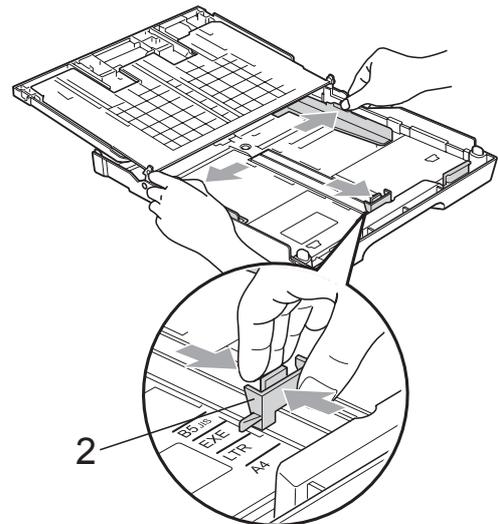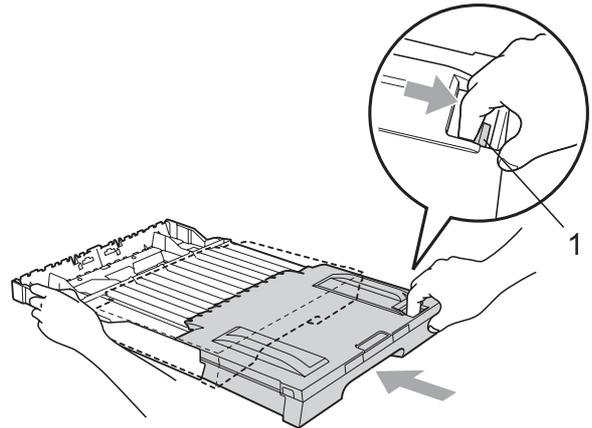
Loading paper in paper tray #2 (MFC-6490CW only)

✎ Note

You can only use plain paper sizes A3, A4, Ledger, Letter, Legal or Executive in Tray #2.

1. Pull the paper tray completely out of the machine.
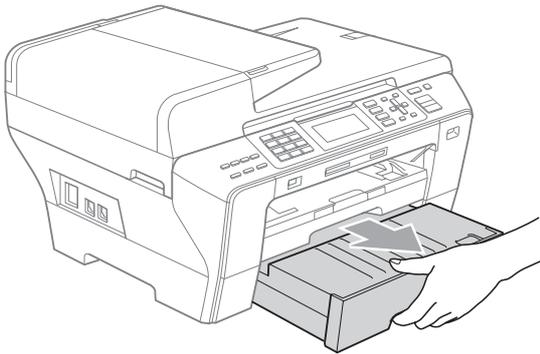
2. Take off the paper tray cover (1).
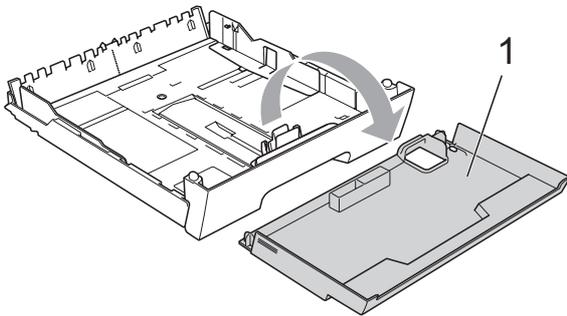
3. With both hands, gently press and slide the paper side guides (1) and then the paper length guide (2) to fit the paper size.

   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.
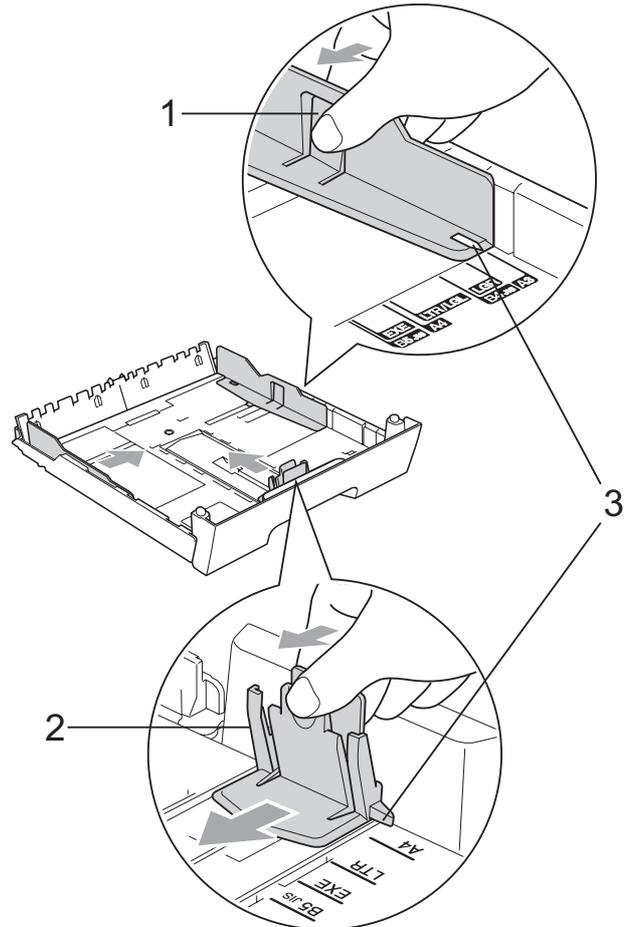
Note

If you are using Ledger, Legal or A3 size paper, press and hold the universal guide release button (1) as you slide out the front of the paper tray.
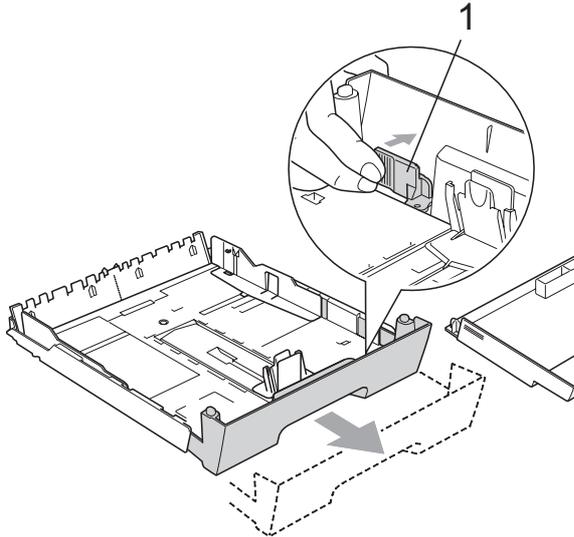
d Fan the stack of paper well to avoid paper jams and misfeeds.

Note

Always make sure that the paper is not curled.

e 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 and below the maximum paper mark (1).
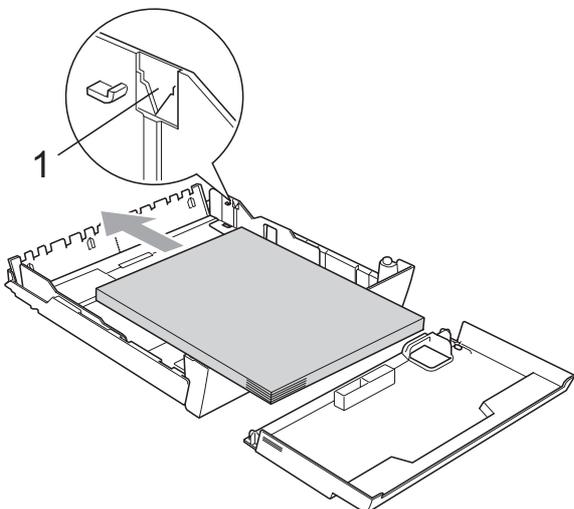
f Gently adjust the paper side guides with both hands to fit the paper stack. Make sure the paper side guides touch the sides of the paper.
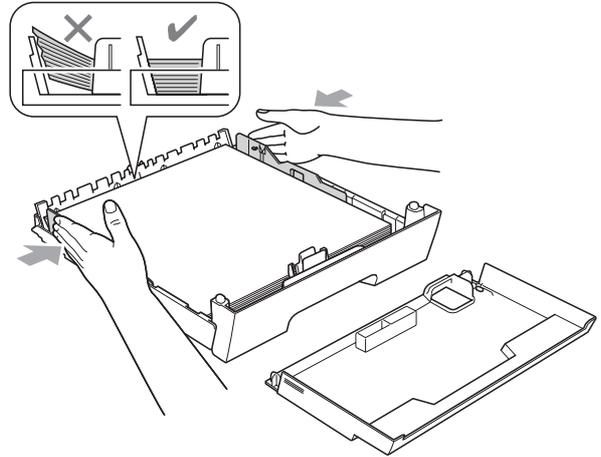
Note

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.

g Put on the paper tray cover.
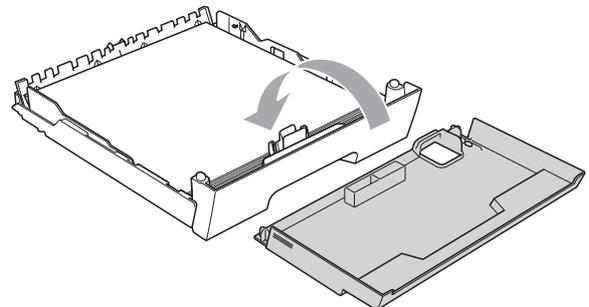
h *Slowly* push the paper tray back into the machine.

2
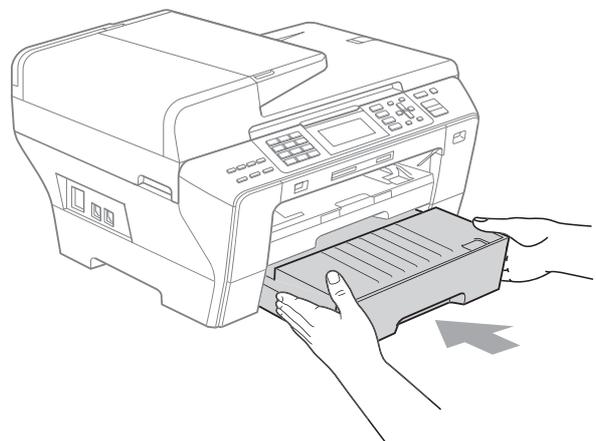
⑨ If you are using A3, Ledger or Legal size paper, complete the following steps. Pull Tray #1 out of the machine.
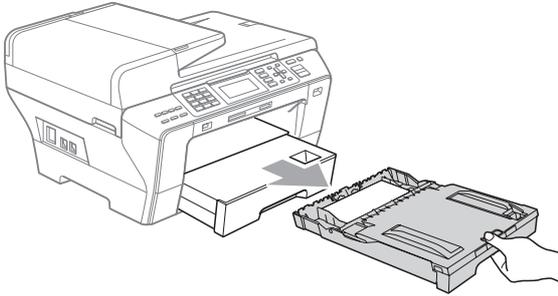
⑩ Press and hold the universal guide release button (1) as you slide out the front of the paper tray.
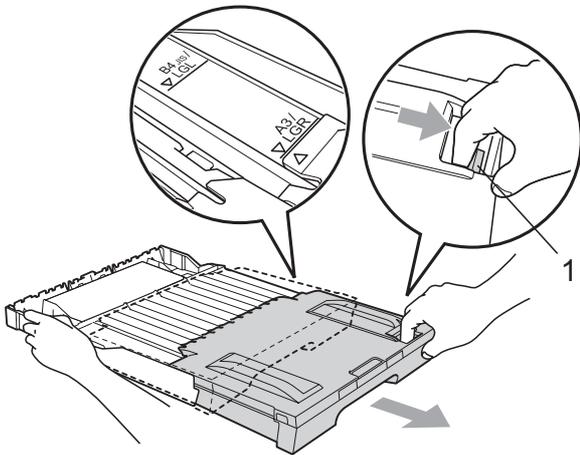
⑪ Open the paper tray cover and adjust the paper length guide (1) for the paper.
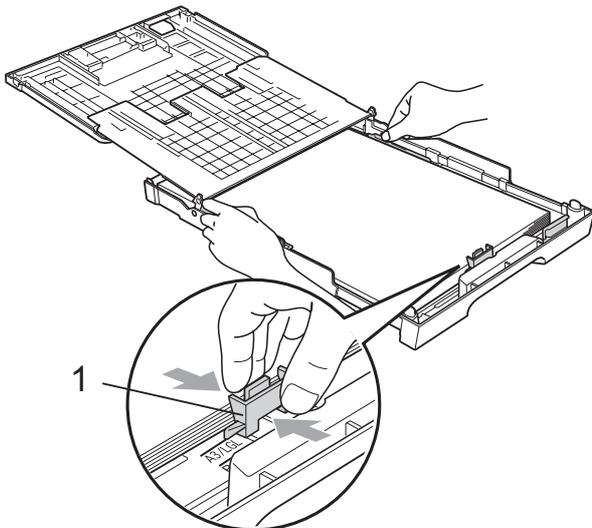
⑫ Close the paper tray cover and *slowly* push the paper tray into the machine. Pull out the paper support (1) until it clicks and unfold the paper support flap (2).
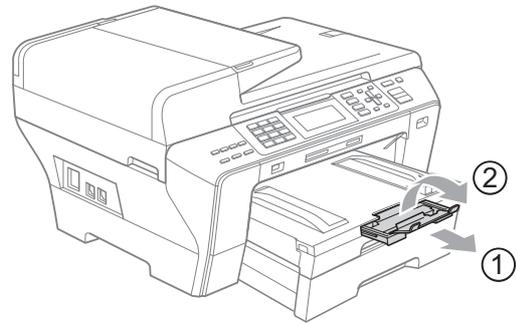
Note

If you are finished using A3, Ledger or Legal size paper and want to use a smaller paper size, take the paper out of the tray. Then shorten the tray by pressing the universal guide release button (1). Adjust the paper length guide (2) to fit the paper size you are going to use. Then put the smaller paper into the tray.
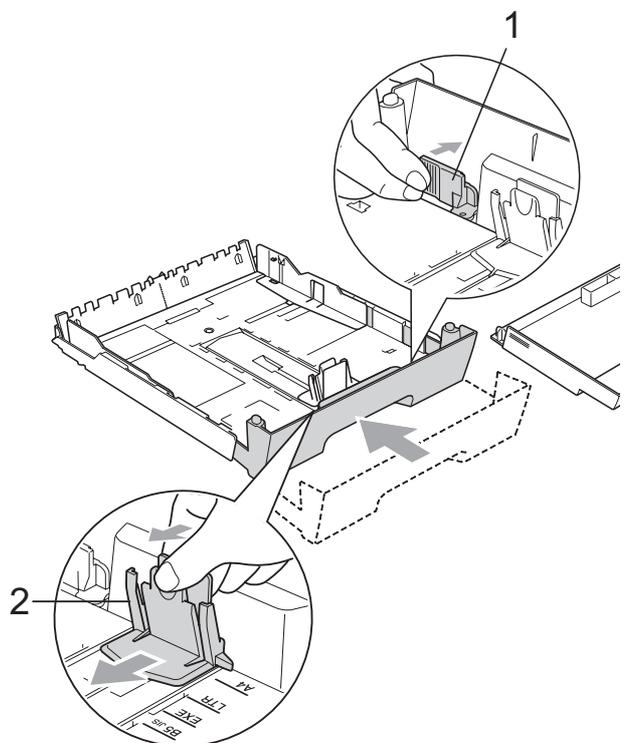
Loading envelopes and postcards

About envelopes

■ Use envelopes that weigh between 80 to 95 gsm.

■ Some envelopes need margin settings to be set in the application. Make sure you do a test print first before printing many envelopes.

> **⚠ 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
![Glue envelope crossed out]	![Double flap envelope crossed out]

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 post cards to make them as flat as possible.

> **📝 Note**
>
> If envelopes or post cards are 'double-feeding', put one envelope or post card in the paper tray at a time.
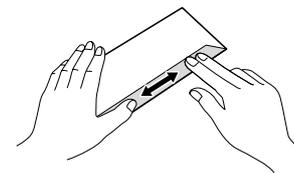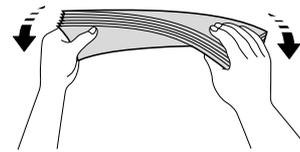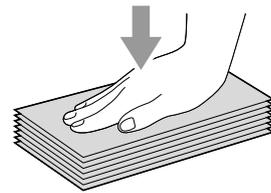
b Put envelopes or post cards in the paper tray with the address side down and the leading edge (top of the envelopes) in first. With both hands, gently press and slide the paper side guides (1) and paper length guide (2) to fit the size of the envelopes or post cards.
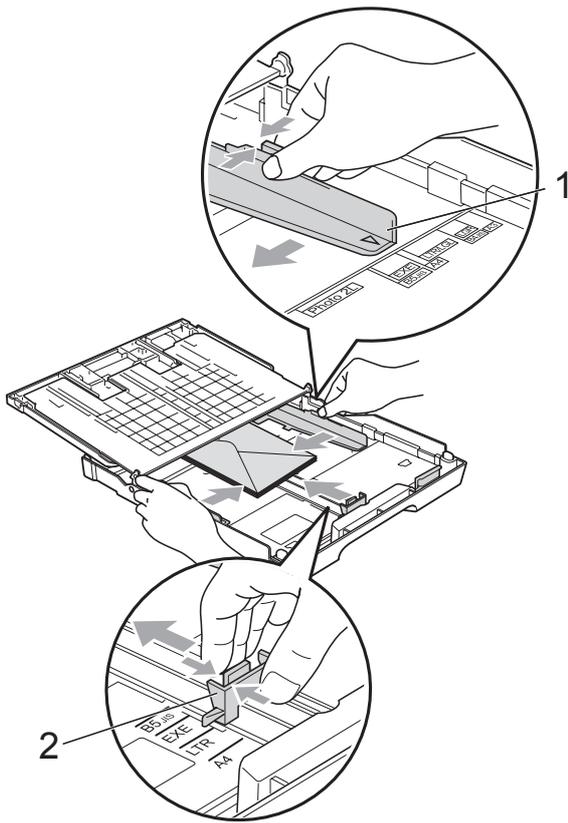
If you have problems when printing on envelopes, try the following suggestions:

a Make sure the flap is either to the side of the envelope or to the back edge of the envelope when printing.

b Adjust the size and margin in your application.
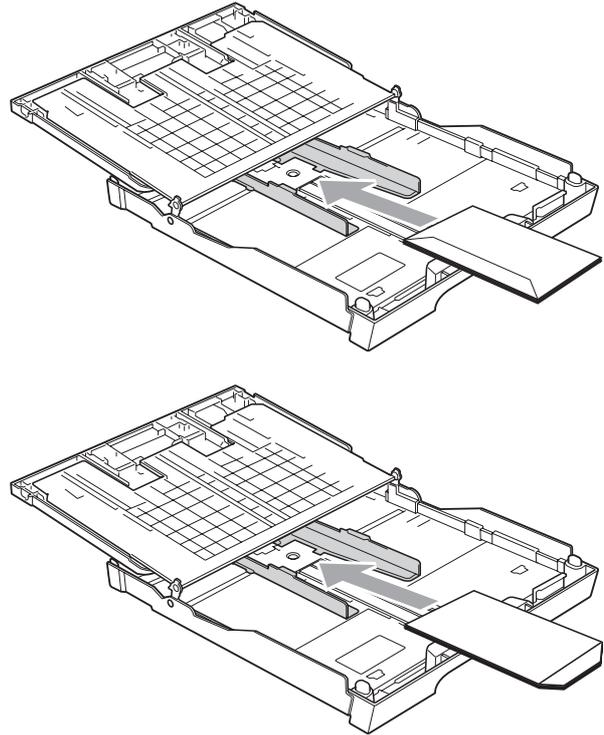
Removing small printouts from the machine

When the machine ejects small paper onto the output 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.
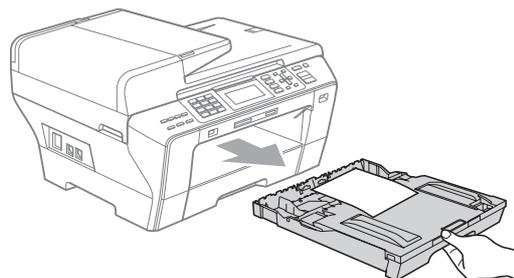
Printable area

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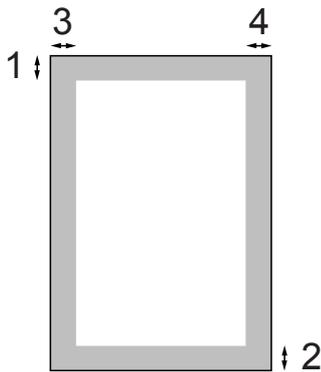
Cut Sheet Paper   **Envelopes**
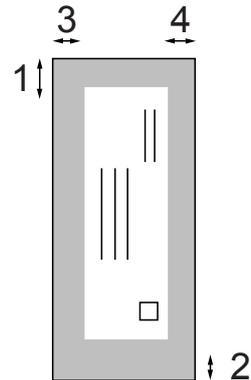
	Top (1)	Bottom (2)	Left (3)	Right (4)
Cut Sheet	3 mm	3 mm	3 mm	3 mm
Envelopes	12 mm	24 mm	3 mm	3 mm

Note

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 Size and Type (MFC-6490CW only)* on page 27.)

■ 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
A3 Plain	BP60PA3
A3 Glossy Photo	BP71GA3
A3 Inkjet (Matte)	BP60MA3
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® in the Software User's Guide on the CD-ROM.)

🚫 Improper Setup

DO NOT use the following kinds of paper:

- Damaged, curled, wrinkled, or irregularly shaped paper
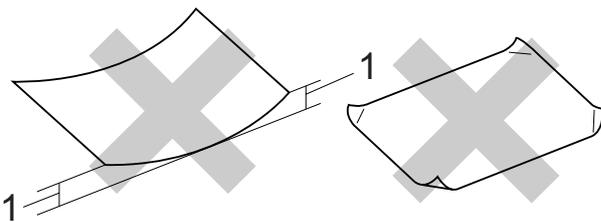
1   2 mm or greater

- Extremely shiny or highly textured paper

- Paper that cannot be arranged uniformly when stacked

Paper capacity of the paper tray

Up to 50 sheets of 80 gsm A4 paper.

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

2

Choosing the right print media

Paper type and size for each operation

Paper Type	Paper Size		Usage			
			Fax	Copy	Photo Capture	Printer
Cut Sheet	Ledger	279.4 × 431.8 mm (11 × 17 in.)	Yes	Yes	Yes	Yes
	A3	297 × 420 mm (11.7 × 16.5 in.)	Yes	Yes	Yes	Yes
	Letter	215.9 × 279.4 mm (8 1/2 × 11 in.)	Yes	Yes	Yes	Yes
	A4	210 × 297 mm (8.3 × 11.7 in.)	Yes	Yes	Yes	Yes
	Legal	215.9 × 355.6 mm (8 1/2 × 14 in.)	Yes	Yes	–	Yes
	Executive	184 × 267 mm (7 1/4 × 10 1/2 in.)	–	–	–	Yes
	JIS B4	257 × 364 mm (10.1 × 14.3 in.)	–	–	–	Yes
	JIS B5	182 × 257 mm (7.2 × 10.1 in.)	–	–	–	Yes
	A5	148 × 210 mm (5.8 × 8.3 in.)	–	Yes	–	Yes
	A6	105 × 148 mm (4.1 × 5.8 in.)	–	–	–	Yes
Cards	Photo	10 × 15 cm (4 × 6 in.)	–	Yes	Yes	Yes
	Photo L	89 × 127 mm (3 1/2 × 5 in.)	–	–	–	Yes
	Photo 2L	13 × 18 cm (5 × 7 in.)	–	–	Yes	Yes
	Index Card	127 × 203 mm (5 × 8 in.)	–	–	–	Yes
	PostCard 1	100 × 148 mm (3.9 × 5.8 in.)	–	–	–	Yes
	PostCard 2 (Double)	148 × 200 mm (5.8 × 7.9 in.)	–	–	–	Yes
Envelopes	C5 Envelope	162 × 229 mm (6.4 × 9 in.)	–	–	–	Yes
	DL Envelope	110 × 220 mm (4.3 × 8.7 in.)	–	–	–	Yes
	COM-10	105 × 241 mm (4 1/8 × 9 1/2 in.)	–	–	–	Yes
	Monarch	98 × 191 mm (3 7/8 × 7 1/2 in.)	–	–	–	Yes
	JE4 Envelope	105 × 235 mm (4.1 × 9.3 in.)	–	–	–	Yes
Transparencies	Letter	215.9 × 279.4 mm (8 1/2 × 11 in.)	–	Yes	–	Yes
	A4	210 × 297 mm (8.3 × 11.7 in.)	–	Yes	–	Yes

Paper weight, thickness and capacity

Paper Type		Weight	Thickness	No. of sheets
Cut Sheet	Plain Paper	64 to 120 gsm	0.08 to 0.15 mm	150 [1]
	(Tray #2) Plain Paper	(MFC-6490CW) 64 to 105 gsm	0.08 to 0.15 mm	250 [2]
	Inkjet Paper	64 to 200 gsm	0.08 to 0.25 mm	20
	Glossy Paper	Up to 220 gsm	Up to 0.25 mm	20
Cards	Photo Card	Up to 220 gsm	Up to 0.25 mm	20
	Index Card	Up to 120 gsm	Up to 0.15 mm	30
	PostCard	Up to 200 gsm	Up to 0.25 mm	30
Envelopes		75 to 95 gsm	Up to 0.52 mm	10
Transparencies		–	–	10

[1]   Up to 150 sheets of 80 gsm paper.

[2]   Up to 250 sheets of 80 gsm paper.

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 50 pages and feeds each sheet individually. Use standard 80 gsm paper and always fan the pages before putting them in the ADF.

Recommended environment

Temperature:	20° C to 30° C
Humidity:	50% to 70%
Paper:	80 gsm

Document Sizes Supported

Length:	(MFC-5890CN) 148 to 355.6 mm (MFC-6490CW) 148 to 431.8 mm
Width:	(MFC-5890CN) 148 to 215.9 mm (MFC-6490CW) 148 to 297 mm
Weight:	64 to 90 gsm

How to load documents

⚠️ **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 Support (1) and the ADF Document Output Support Flap (2).
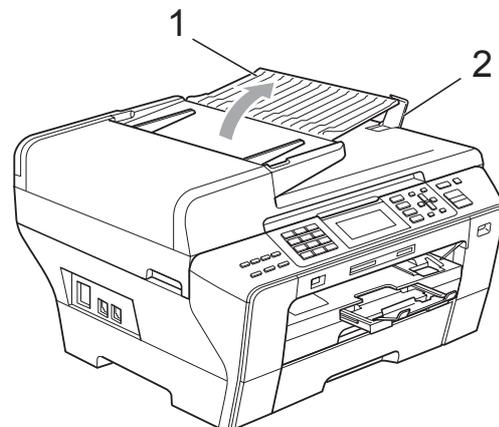
2 Fan the pages well.

3 Adjust the paper guides (1) to fit the width of your documents.
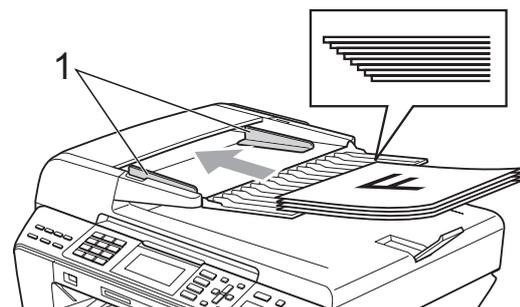
d Place your documents, **face up, top edge first** in the ADF until you feel them touch the feed roller.

Note

(MFC-6490CW only)

Insert A4/Letter documents short-edge first.
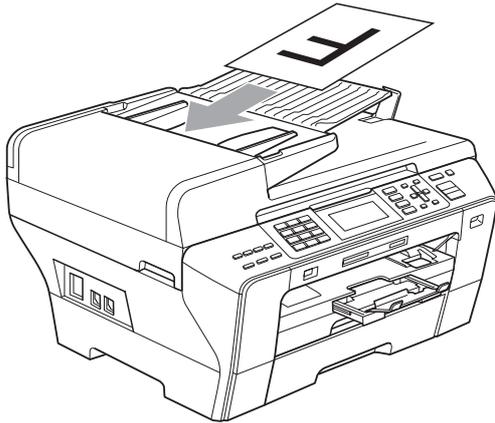
CAUTION

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:	(MFC-5890CN) Up to 297 mm (MFC-6490CW) Up to 431.8 mm
Width:	(MFC-5890CN) Up to 215.9 mm (MFC-6490CW) Up to 297 mm
Weight:	Up to 2 kg

How to load documents

Note

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

a Lift the document cover.

b Using the document guidelines on the left and top, place the document face down in the upper left corner of the scanner glass.
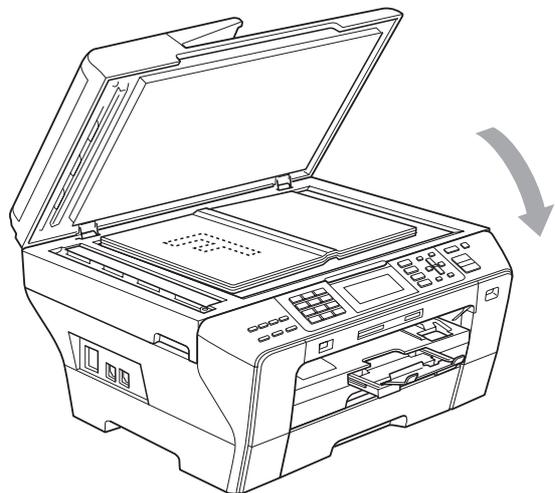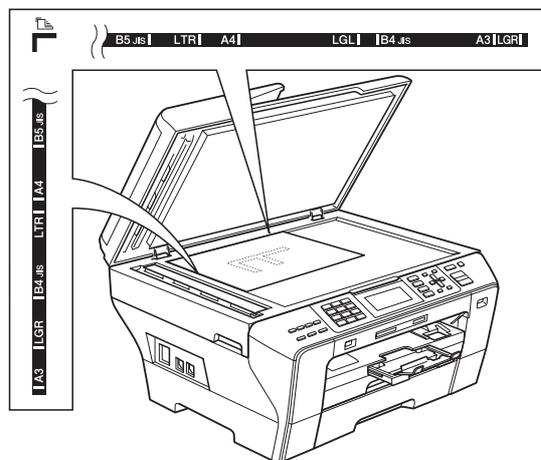
c Close the document cover.

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.
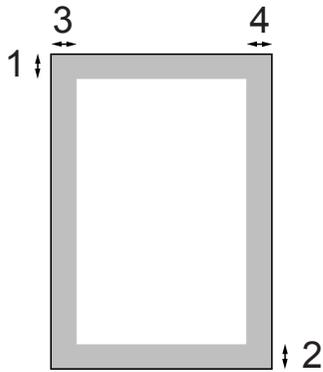
Usage	Document Size	Top (1) Bottom (2)	Left (3) Right (4)
Fax	Ledger (MFC-6490CW only)	3 mm	3.7 mm
	A3 (MFC-6490CW only)	3 mm	4.5 mm
	Letter	3 mm	4 mm
	A4	3 mm	(Scanner Glass) 3 mm (ADF) 1 mm
	Legal	3 mm	4 mm
Copy	All paper sizes	3 mm	3 mm
Scan	All paper sizes	3 mm	3 mm

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 25. 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.

Note

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

Putting your machine in Power Save mode

❶ 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

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

Note

• 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 25.)

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.

❶ Press **Menu**.

❷ Press ▲ or ▼ to choose General Setup.
Press **OK**.

❸ Press ▲ or ▼ to choose P.Save Setting.

❹ Press ◀ or ▶ to choose Fax Receive:Off (or Fax Receive:On).
Press **OK**.

❺ 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 [3] Fax Forward [3] Fax Storage [3] Fax Preview [3] PC Fax Receive [3] Remote Retrieval [3]
	Manual Fax/Tel [2]	Fax Detect Delayed Fax [3]
Fax Receive: Off	—	No machine operations will be available other than cleaning the print head.

[1] You cannot receive a fax with **Mono Start** or **Colour Start**.

[2] 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.

Fax

Scan

Copy

Photo Capture

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   `General Setup`.
   Press **OK**.

3. Press ▲ or ▼ to choose `Mode Timer`.

4. Press ◄ or ► to choose `0Sec`, `30Secs`, `1Min`, `2Mins`, `5Mins` or `Off`.
   Press **OK**.

5. Press **Stop/Exit**.

Paper settings

Paper Size and Type (MFC-5890CN only)

Paper Type

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

1. Press **Menu**.

2. Press ▲ or ▼ to 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**.

Note

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 seven sizes of paper for printing copies: A4, A5, A3, 10 × 15 cm (4 × 6 in.), Letter, Legal and Ledger and five sizes for printing faxes: Ledger, Letter, Legal, A3 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.

a Press **Menu**.

b Press ▲ or ▼ to choose
General Setup.
Press **OK**.

c Press ▲ or ▼ to choose Paper Size.

d Press ◄ or ► to choose A4, A5, A3,
10x15cm, Letter, Legal, and
Ledger.
Press **OK**.

e Press **Stop/Exit**.

Paper Size and Type (MFC-6490CW only)

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

You can use seven sizes of paper for printing copies: A3, A4, A5, 10 × 15 cm (4 × 6 in.), Ledger, Letter and Legal and five sizes for printing faxes: A3, A4, Ledger, Letter and Legal. When you load a different size of paper 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.

a Press **Menu**.

b Press ▲ or ▼ to chose General Setup.
Press **OK**.

c Press ▲ or ▼ to chose Tray Setting.
Press **OK**.

d Press ▲ or ▼ to choose Tray#1 or
Tray#2.
Press **OK**.

e Do one of the following:

■ If you chose Tray#1, press ◄ or ► to choose Plain Paper,
Inkjet Paper, Brother BP71,
Other Glossy or
Transparency.

Press **OK**.

Press ▲ or ▼ to choose Paper Size and press ◄ or ► to choose A4, A5,
A3, 10x15cm, Letter, Legal or
Ledger.

Press **OK**.

■ If you chose Tray#2, press ▲ or ▼ to choose Paper Size and press
◄ or ► to choose A4, A3, Letter,
Legal or Ledger.

Press **OK**.

f Press **Stop/Exit**.

Note

• You can only use plain paper and paper sizes A3, A4, Ledger, Letter or Legal in Tray #2.

• 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.

3

Tray use in Copy mode (MFC-6490CW only)

You can change the default tray the machine will use for printing copies.

To change the default setting follow the instructions below:

a Press **Menu**.

b Press ▲ or ▼ to choose
General Setup.
Press **OK**.

c Press ▲ or ▼ to choose Tray Setting.
Press **OK**.

d Press ▲ or ▼ to choose
Tray Use:Copy.

e Press ◀ or ▶ to choose Tray#1 or
Tray#2.
Press **OK**.

f Press **Stop/Exit**.

Note

You can change the paper size and tray selection temporarily for the next copy. (See *Paper Size* on page 97 and *Tray Select (MFC-6490CW only)* on page 97.)

Tray use in Fax mode (MFC-6490CW only)

You can change the default tray the machine will use for printing received faxes.

Auto Select will allow your machine to take paper from Tray #1 first, or from Tray #2 if:

- Tray #1 is out of paper.
- Tray #2 is set to a different paper size that is more suitable for the received faxes.
- Both trays are using the same size paper and Tray #1 is not set to use plain paper.

a Press **Menu**.

b Press ▲ or ▼ to choose
General Setup.
Press **OK**.

c Press ▲ or ▼ to choose Tray Setting.
Press **OK**.

d Press ▲ or ▼ to choose Tray Use:Fax.

e Press ◀ or ▶ to choose Tray#1,
Tray#2 or Auto Select.
Press **OK**.

f Press **Stop/Exit**.

Secure Paper Feed mode for A3 size Short Grain Paper

If your printed pages have smudge problems when using A3 paper, your paper may be short grain paper. Choose
A3 - Short Grain and set it to On to avoid this problem.

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   A3 - Short Grain.

4. Press ◀ or ▶ to choose On.
   Press **OK**.

5. Press **Stop/Exit**.

Note

- If you are not sure about the type of paper you are using, consult the paper packaging or manufacturer for paper specifications.

- Printing will be slower when using the A3 - Short Grain setting.

Volume Settings

Ring Volume

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

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose Volume.
   Press **OK**.

4. Press ▲ or ▼ to choose Ring.

5. Press ◀ or ▶ to choose Low, Med, High or Off.
   Press **OK**.

6. Press **Stop/Exit**.

3

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**.

2. Press ▲ or ▼ to choose General Setup. Press **OK**.

3. Press ▲ or ▼ to choose `Volume`. Press **OK**.

4. Press ▲ or ▼ to choose `Beeper`.

5. 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**.

2. Press ▲ or ▼ to choose General Setup. Press **OK**.

3. Press ▲ or ▼ to choose `Volume`. Press **OK**.

4. Press ▲ or ▼ to choose `Speaker`.

5. Press ◀ or ▶ to choose `Low`, `Med`, `High` or `Off`. Press **OK**.

6. Press **Stop/Exit**.

Setting Daylight Savings Time

You can set the machine to change for daylight savings time. It will reset itself forward one hour in the Spring and backward one hour in the Autumn. Make sure you have set the correct date and time in the `Date&Time` setting.

1. Press **Menu**.

2. Press ▲ or ▼ to choose General Setup. Press **OK**.

3. Press ▲ or ▼ to choose Daylight Save.

4. Press ◀ or ▶ to choose `Off` (or `On`). Press **OK**.

5. 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**.

2. 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.

1. Press **Menu**.

2. Press ▲ or ▼ to choose General Setup. Press **OK**.

3. Press ▲ or ▼ to choose LCD Settings. Press **OK**.

4. Press ▲ or ▼ to choose LCD Contrast.

5. 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**.

2. Press ▲ or ▼ to choose General Setup. Press **OK**.

3. Press ▲ 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**.

3

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**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose LCD Settings.
   Press **OK**.

4. 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 ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose LCD Settings.
   Press **OK**.

4. Press ▲ or ▼ to choose Wallpaper.
   Press **OK**.

5. Press ▲ or ▼ to choose your wallpaper
   from the four available designs.
   Press **OK**.

6. Press **Stop/Exit**.

4 Security features

Secure Function Lock

Secure Function Lock lets you restrict public access to certain machine functions (Fax, Copy, Scan, Print [1] and PCC).
This feature also prevents users from changing the default settings of the machine by limiting access to the menu settings.

Before using the security features you must first enter an administrator password.

Access to restricted operations can be enabled by creating a restricted user. Restricted users must enter a user password to use the machine.

Make a careful note of your password. If you forget it, please call your Brother dealer for service.

[1] Print includes PC-Fax Send as well as all print jobs.

Note

- Only administrators can set limitations and make changes for each user.

- When Print is disabled, PC print jobs will be lost without notification.

- If Fax Tx is disabled, you cannot use any function in the Fax menu.

- Polling Receive is enabled only when the both Fax Tx and Fax Rx are enabled.

Setting and changing the Administrator Password

Setting the password

The password you set in these steps is for the administrator. This password is used to set up users and to turn Secure Function Lock on or off. (See *Setting up and changing restricted users* on page 35 and *Turning Secure Function Lock on/off* on page 36.)

a Press **Menu**.

b Press ▲ or ▼ to choose
General Setup.
Press **OK**.

c Press ▲ or ▼ to choose
Function Lock.
Press **OK**.

d Enter a four-digit number for the password using numbers 0-9.
Press **OK**.

e Re-enter the password when the LCD shows Verify:.
Press **OK**.

f Press **Stop/Exit**.

Changing the password

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   Function Lock.
   Press **OK**.

4. Press ▲ or ▼ to choose Set Password.
   Press **OK**.

5. Enter the registered four-digit password.
   Press **OK**.

6. Enter a four-digit number for the new password.
   Press **OK**.

7. If the LCD shows Verify:, re-enter the new password.
   Press **OK**.

8. Press **Stop/Exit**.

Setting up and changing the Public user

Public users do not need to enter a password. You can set up one Public user.

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   Function Lock.
   Press **OK**.

4. Press ▲ or ▼ to choose Setup User.
   Press **OK**.

5. Enter the administrator password.
   Press **OK**.

6. Press ▲ or ▼ to choose Public.
   Press **OK**.

7. Do one of the following:

   ■ To set up the Public user, press ◄ or ► to choose Enable or Disable for Fax Tx. After you have set Fax Tx, press ▲ or ▼ to choose the settings for Fax Rx, Copy(Color), Copy(B&W), Scan, Print and PCC by repeating this step.
   Press **OK**

   ■ To change the Public user setting, press ▲ or ▼ to choose the setting you want to change.
   Press ◄ or ► to choose Enable or Disable.
   Repeat this step until you finish changing settings.
   Press **OK**

Note

If you disable PC Print and PhotoCapture printings (PCC) for Public users it will also disable those functions for all restricted users.

8. Press **Stop/Exit**.

Setting up and changing restricted users

Setting up restricted users

You can set up users with restrictions and a password. You can set up to 20 ristricted users.

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   Function Lock.
   Press **OK**.

4. Press ▲ or ▼ to choose Setup User.
   Press **OK**.

5. Enter the administrator password.
   Press **OK**.

6. Press ▲ or ▼ to choose User01.
   Press **OK**.

7. Use the numeric keys to enter the user name. (See *Entering Text* on page 206.)
   Press **OK**.

8. Enter a four-digit password for the user.
   Press **OK**.

9. Press ◀ or ▶ to choose Enable or
   Disable for Fax Tx.
   Press **OK**.
   After you have set Fax Tx, press ▲ or ▼
   and repeat this step for Fax Rx,
   Copy(Color), Copy(B&W) and Scan.

10. Press ▲ or ▼ to choose Exit.
    Press **OK**.

11. Repeat ❻ to ❿ for entering each additional user and password.

12. Press **Stop/Exit**.

Note

You cannot use the same password as another user's password.

Changing user name, password or settings for restricted users

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   Function Lock.
   Press **OK**.

4. Press ▲ or ▼ to choose Setup User.
   Press **OK**.

5. Enter the administrator password.
   Press **OK**.

6. Press ▲ or ▼ to choose the existing restricted user you want to change.
   Press **OK**.

7. Press ▲ or ▼ to choose Change.
   Press **OK**.

8. Do one of the following:

   ■ If you want to change the name press **Clear/Back**, and then enter the new name. (See *Entering Text* on page 206.)
   Press **OK**.

   ■ To leave the name unchanged press **OK**.

9. Enter a new four-digit password for this user.
   Press **OK**.

10. Press ◀ or ▶ to choose Enable or
    Disable for Fax Tx.
    Press **OK**.
    After you have set Fax Tx, press ▲ or ▼
    and repeat this step for Fax Rx,
    Copy(Color), Copy(B&W) and Scan.

11. Press ▲ or ▼ to choose Exit.
    Press **OK**.

12. Repeat ❻ to ⓫ if you want to change more users and settings.

13. Press **Stop/Exit**.

4

Reset existing restricted users

You can reset restricted users one by one.

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   Function Lock.
   Press **OK**.

4. Press ▲ or ▼ to choose Setup User.
   Press **OK**.

5. Enter the administrator password.
   Press **OK**.

6. Press ▲ or ▼ to choose the existing
   restricted user you want to reset.
   Press **OK**.

7. Press ▲ or ▼ to choose Reset.
   Press **OK**.

8. Press **1** to choose Yes.

9. Do one of the following:

   ■ Set a new restricted user. (See
     Setting up restricted users
     on page 35.)

   ■ If you do not want to set a new
     restricted user, go to step ⑪.

10. Repeat ⑥ to ⑨ if you want to reset more
    users.

11. Press **Stop/Exit**.

Turning Secure Function Lock on/off

✎ **Note**

If you enter the wrong password, the LCD
will show Wrong Password. Re-enter
the correct password.

Turning Secure Function Lock on

1. Press **Menu**.

2. Press ▲ or ▼ to choose
   General Setup.
   Press **OK**.

3. Press ▲ or ▼ to choose
   Function Lock.
   Press **OK**.

4. Press ▲ or ▼ to choose Lock Off→On.
   Press **OK**.

5. Enter your four-digit administrator
   password.
   Press **OK**.

Turning Secure Function Lock off

1. Press **Menu**.

2. Press ▲ or ▼ to choose Lock On→Off.
   Press **OK**.

3. Enter your four-digit administrator
   password.
   Press **OK**.

Switching users

This setting allows a restricted user to log on the machine when Secure Function Lock is turned on.

> **1** Hold down **Shift** as you press *.
> Or, press **Menu**. Then press ▲ or ▼ to choose Change User and press **OK**.

> **2** Press ▲ or ▼ to choose your user name. Press **OK**.

> **3** Enter your four-digit password. Press **OK**.

Changing to the Public mode

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

> **2** Press ▲ or ▼ to choose Go to Public. Press **OK**.

Note

After a restricted user has finished using the machine, it will return to the Public setting within the same time as the Mode Timer setting. (See *Mode Timer* on page 26.)

Reset all users

You can reset all settings and passwords for the Public user and all restricted users.

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

> **2** Press ▲ or ▼ to choose General Setup. Press **OK**.

> **3** Press ▲ or ▼ to choose Function Lock. Press **OK**.

> **4** Press ▲ or ▼ to choose Reset All Users. Press **OK**.

> **5** Enter your four-digit administrator password. Press **OK**.

> **6** Press **1** to reset.

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

4

Section II

Fax

5 Sending a Fax

Entering Fax mode

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

![Fax key icon] (**Fax**) key to illuminate it in blue.
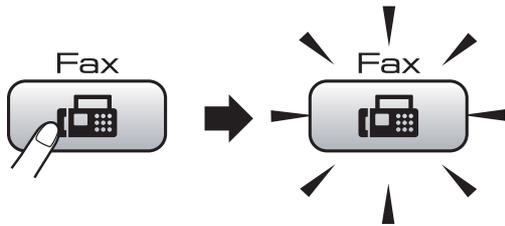
The LCD shows:
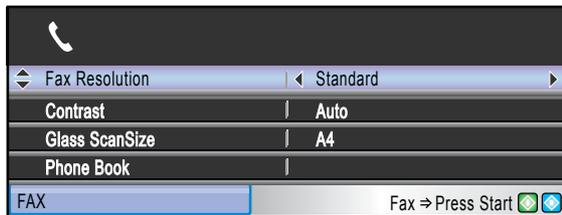
Press ▲ or ▼ to scroll through the **Fax** key options. Some functions are only available when sending monochrome faxes.

- `Fax Resolution` (See page 45.)
- `Contrast` (See page 45.)
- `Glass ScanSize`
  (MFC-5890CN: See page 41.)
  (MFC-6490CW: See page 42.)
- `Phone Book` (See page 75.)
- `Outgoing Call` (See page 76.)
- `Caller ID hist.` (See page 77.)
- `Broadcasting` (See page 43.)
- `Delayed Fax` (See page 46.)
- `Batch TX` (See page 47.)
- `Real Time TX` (See page 46.)
- `Polled TX` (See page 89.)
- `Polling RX` (See page 87.)
- `Overseas Mode` (See page 46.)
- `Set New Default` (See page 47.)
- `Factory Reset` (See page 47.)

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

Faxing from the ADF

a Press ![Fax icon] (**Fax**).

b Place the document face up in the ADF. (See *Using the ADF* on page 22.)

c Enter the fax number using the dial pad, One Touch, Speed Dial or Search.

Note

You can preview a fax message before sending it by pressing **Fax Preview**. (See *How to preview an outgoing fax* on page 42.)

d Press **Mono Start** or **Colour Start**. The machine starts scanning the document.

Note

- To cancel, press **Stop/Exit**.
- If you send a mono fax when the memory is full it will be sent in real time.
- You can send colour faxes up to A4 in size.

40

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 A3 size for MFC-6490CW, and A4 size for MFC-5890CN.

You cannot send colour faxes with multiple pages.

Note

• 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.

• (MFC-6490CW only)
You can send colour faxes up to A4 in size.

a Press 📠 (**Fax**).

b Load your document face down on the scanner glass. (See *Using the scanner glass* on page 23.)

c Enter the fax number using the dial pad, One Touch, Speed Dial or Search.

Note

You can preview a fax message before sending it by pressing **Fax Preview**. For details, see *How to preview an outgoing fax* on page 42.

d Press **Mono Start** or **Colour Start**.

■ If you press **Mono Start**, the machine starts scanning the first page. Go to step ❺.

■ If you press **Colour Start**, the machine starts sending the document.

e 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 ❻.

f Place the next page on the scanner glass. Press **OK**.
The machine starts scanning the page. (Repeat steps ❺ and ❻ for each additional page.)

Setting scanner glass size for faxing (MFC-5890CN only)

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.

a Press 📠 (**Fax**).

b Press ▲ or ▼ to choose Glass ScanSize.

c Press ◄ or ► to choose Letter (or A4). Press **OK**.

Note

• You can save the setting you use most often by setting it as default. (See *Setting your changes as a new default* on page 47.)

• This setting is only available for sending documents from the scanner glass.

Setting scanner glass size for faxing (MFC-6490CW only)

To fax a A3, Letter, Legal or Ledger size document from the scanner glass, you need to change the glass scan size setting.

1 Press 🖷 (**Fax**).

2 Press ▲ or ▼ to choose Glass ScanSize.

3 Press ◄ or ► to choose A4, A3, Letter, Legal or Ledger.

📝 Note

You can save the setting you use most often by setting it as default. (See *Setting your changes as a new default* on page 47.)

Colour fax transmission

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

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

How to preview an outgoing fax

You can preview a fax message before you send it. You must set the Real Time Transmission and Polling RX to off before you use this feature.

1 Press 🖷 (**Fax**).

2 Load the document.

3 Enter the fax number using the dial pad, One Touch or Speed Dial.

4 Press **Fax Preview**.
The machine starts scanning the document and the outgoing fax appears on the LCD. When the fax is open the control panel keys will perform the operations shown below.

Key	Description
＊	Enlarge the fax.
＃	Reduce the fax.
▲ or ▼	Scroll vertically.
◄ or ►	Scroll horizontally.
0	Rotate the fax clockwise.
7 PQRS	Go back to the previous page.
9 WXYZ	Go to the next page.

5 Press **Mono Start**.

📝 Note

The fax message in the memory will be sent and then erased when you press **Mono Start**.

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, One Touch, 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.

a Press 🖼 (**Fax**).

b Load your document.

c Press ▲ or ▼ to choose Broadcasting. Press **OK**.

d You can add numbers to the broadcast in the following ways:

- Press ▲ or ▼ to choose Add Number and enter a number using a dial pad.

  Press **OK**.

- Press ▲ or ▼ to choose Phone Book and **OK**. Press ▲ or ▼ to choose Alphabetical Order or Numerical Order and **OK**. Press ▲ or ▼ to select a number and **OK**.

Note

One Touch Dial locations begin with ∗. Speed Dial locations begin with **#**.

e After you have entered all the fax numbers by repeating step d, press ▲ or ▼ to choose Complete. Press **OK**.

f Press **Mono Start**.

Note

- If you did not use up any of the numbers for Groups, you can 'broadcast' faxes to as many as 216 (MFC-5890CN) or 256 (MFC-6490CW) 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.

5

Cancelling a Broadcast in progress

a Press **Menu**.

b Press ▲ or ▼ to choose Fax.
Press **OK**.

c Press ▲ or ▼ to choose
Remaining Jobs.
Press **OK**.
The LCD will show the fax number being
dialled and the Broadcast job number.

d Press **OK**.
The LCD will ask you the following
message:
Cancel Job?
Yes → Press 1
No   → Press 2

e Press **1** to cancel the number being
dialled.
The LCD will then show the Broadcast
job number.

f Press **OK**.
The LCD will ask you the following
message:
Cancel Job?
Yes → Press 1
No   → Press 2

g Press **1** to cancel the Broadcast.

h Press **Stop/Exit**.

Additional sending operations

Sending faxes using multiple settings

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

a Press [🖷] (**Fax**).
The LCD shows:

b Press ▲ or ▼ to choose a setting you
want to change.

c Press ◀ or ▶ to choose an option.

d Go back to ❷ to change more settings.

Note

• 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 47.)

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.

a Press ▣ (**Fax**).

b Press ▲ or ▼ to choose Contrast.

c Press ◀ or ▶ to choose Auto, Light or Dark.
Press **OK**.

Note

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 colour 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.

a Press ▣ (**Fax**).

b Press ▲ or ▼ to choose Fax Resolution.

c Press ◀ or ▶ to choose the resolution you want.
Press **OK**.

Note

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

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.

Colour	
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 **Colour Start** key to send a fax, the machine will send the fax using the Fine setting.

5

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.

Note

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 and you are sending a black & white fax from the ADF, 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**).

2 Press ▲ or ▼ to choose Real Time TX.

3 Press ◀ or ▶ to choose On (or Off). Press **OK**.

Note

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.

4 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 ❺.

1 Press 📠 (**Fax**).

2 Load your document.

3 Press ▲ or ▼ 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**.

Note

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.

a Press ⬛ (**Fax**).

b Press ▲ or ▼ to choose Batch TX.

c Press ◀ or ▶ to choose On.
Press **OK**.

d 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.)

a Press **Menu**.

b Press ▲ or ▼ to choose Fax.
Press **OK**.

c Press ▲ or ▼ to choose
Remaining Jobs.
Press **OK**.
Any waiting jobs appear on the LCD.

d Press ▲ or ▼ to scroll through the jobs and choose the job you want to cancel.
Press **OK**.

e Do one of the following:

■ To cancel, press **1** to choose Yes.

If you want to cancel another job go to step ❹.

■ To exit without cancelling, press **2** to choose No.

f 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.

a Press ⬛ (**Fax**).

b Press ▲ or ▼ to choose the menu option that you want to change. Press ◀ or ▶ to choose your new setting.
Repeat this step for each setting you want to change.

c After changing the last setting, press ▲ or ▼ to choose Set New Default.
Press **OK**.

d Press **1** to choose Yes.

e 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.

a Press ⬛ (**Fax**).

b Press ▲ or ▼ to choose
Factory Reset.
Press **OK**.

c Press **1** to choose Yes.

d 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.

3 To listen for a dial tone pick up the handset of an external telephone.

4 Dial the fax number.

5 When you hear the fax tone, press **Mono Start** or **Colour Start**.
If you are using the scanner glass press **1** on the machine to send a fax.

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** or **Colour Start** to send the pages scanned so far, or to press **Stop/Exit** to cancel the operation.

Note

If you do not want to delete your stored faxes to clear the memory, you can change the setting to send the fax in real time. (See *Real time transmission* on page 46.)

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 50.

Do you want to use the telephone features of your machine (if available) or an external telephone or external telephone answering device connected on the same line as the machine?

Yes

No

Are you using the voice message function of an external telephone answering device?

Fax Only

No

Do you want the machine to answer fax and telephone calls automatically?

No

Manual

Fax/Tel

Yes

External TAD

Yes

To set a receive mode follow the instructions below.

1 Press **Menu**.

2 Press ▲ or ▼ 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 51.)

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 recognizing 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 51 and *Ring Delay* on page 51.)

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 **Colour Start** and choose `Receive`. 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 52.)

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 71.)

Note

• When changing your Receive Mode, if the message appears `DR Mode in Use`, please go to page 65 to turn Distinctive Ring Off. Then return to change your receive mode.

• Do not turn off Distinctive Ring if you are subscribed to FaxStream® Duet®.

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. If you have external or extension telephones on the same line as the machine choose the maximum number of rings.

(See *Operation from extension telephones* on page 73 and *Fax Detect* on page 52.)

1. Press **Menu**.

2. Press ▲ or ▼ to choose `Fax`. Press **OK**.

3. Press ▲ or ▼ to choose `Setup Receive`. Press **OK**.

4. Press ▲ or ▼ to choose `Ring Delay`.

5. Press ◄ or ► to choose how many times the line rings before the machine answers (`2-10` for Australia, `1-10` for New Zealand, `0-10` for some countries). 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 73.)

1. Press **Menu**.

2. Press ▲ or ▼ to choose `Fax`. Press **OK**.

3. Press ▲ or ▼ to choose `Setup Receive`. Press **OK**.

4. Press ▲ or ▼ 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 (20, 30, 40 or 70 seconds for Australia and some countries, 20, 30, 40 or 55 seconds for New Zealand). Press **OK**.

6. Press **Stop/Exit**.

Note

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

6

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 **Colour Start**, then press **2** to receive the fax.

If you answered at an extension telephone, press * **5 1** (* **9 1** for New Zealand). (See *Operation from extension telephones* on page 73.)

Note

- 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** (* **9 1** for New Zealand).

- 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**.

2. Press ▲ or ▼ to choose `Fax`. Press **OK**.

3. Press ▲ or ▼ to choose `Setup Receive`. Press **OK**.

4. Press ▲ or ▼ to choose `Fax Detect`.

5. Press ◀ or ▶ to choose `On` (or `Off`). Press **OK**.

6. Press **Stop/Exit**.

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 and Type (MFC-5890CN only)* on page 26 or *Paper Size and Type (MFC-6490CW only)* on page 27.)

1. Press **Menu**.

2. Press ▲ or ▼ to choose `Fax`. Press **OK**.

3. Press ▲ or ▼ to choose `Setup Receive`. Press **OK**.

4. Press ▲ or ▼ to choose `Auto Reduction`.

5. Press ◀ or ▶ to choose `On` (or `Off`). Press **OK**.

6. Press **Stop/Exit**.

Setting Receiving Priority

If a A3 Colour fax is sent to your machine, your machine will receive either a A3 mono fax or a A4 Colour fax depending on the Receiving Priority setting. If you choose `Mono(Max.A3)`, you will receive a A3 mono fax. If you choose `Colour(Max.A4)`, you will receive a A4 Colour fax.

📝 Note

The default setting is `Mono(Max.A3)`, so the machine cannot receive A4 colour fax by default.

Receiving Priority	Document Sent		Document Received	Fax Preview	Storage OFF	Memory Receive (On)	
						Fax Storage **Fax Forward**	**PC-FAX**
CLR (Max. A4)	Colour	A4	Colour A4	N/A (Colour Printout)	(Colour Printout)	N/A (Colour Printout)	N/A (Colour Printout)
		A3	Colour A4 [1] (Reduced)				
	Mono	A4	Mono A4	Available	(Mono Printout)	Available	Available (Up to A4 size)
		A3	Mono A4 [1] (Reduced)				
Mono (Max. A3)	Colour	A4	Mono A4 [1]				
		A3	Mono A3 [1]				
	Mono	A4	Mono A4				
		A3	Mono A3				

[1] These results may vary depending on the sending machine's ability.

1. Press **Menu**.

2. Press ▲ or ▼ to choose `Fax`.
   Press **OK**.

3. Press ▲ or ▼ to choose `Setup Receive`.
   Press **OK**.

4. Press ▲ or ▼ to choose `Mono/Colour`.

5. Press ◀ or ▶ to choose `Mono(Max.A3)` or `Colour(Max.A4)`.
   Press **OK**.

6. Press **Stop/Exit**.

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. If you have chosen **Fax Preview**, see *Fax Preview (Monochrome only)* on page 58.

a Press **Menu**.

b Press ▲ or ▼ to choose `Fax`.
Press **OK**.

c Press ▲ or ▼ to choose
`Print Document`.
Press **OK**.

d Press **Mono Start**.

e Press **Stop/Exit**.

Note

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

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.

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 operations, a message will appear on the LCD. (See *Changing Memory Receive Operations* on page 58.)

Note

When you receive a colour fax, the machine will treat the data as a colour or monochrome fax depending on the Receive Priority setting. (See *Setting Receiving Priority* on page 53.)

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.

a Press **Menu**.

b Press ▲ or ▼ to choose Fax.
Press **OK**.

c Press ▲ or ▼ to choose
Setup Receive.
Press **OK**.

d Press ▲ or ▼ to choose
Memory Receive.
Press **OK**.

e Press ▲ or ▼ to choose Fax Forward.
Press **OK**.

f Enter the forwarding number
(up to 20 digits).
Press **OK**.

g Press ▲ or ▼ 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. This Backup Print:On feature will not work if Fax Preview is on.

• The machine can store faxes approximately 24 hours if there is a power failure.

h 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.

a Press **Menu**.

b Press ▲ or ▼ to choose Fax.
Press **OK**.

c Press ▲ or ▼ to choose
Setup Receive.
Press **OK**.

d Press ▲ or ▼ to choose
Memory Receive.
Press **OK**.

e Press ▲ or ▼ to choose Fax Storage.
Press **OK**.

f Press **Stop/Exit**.

6

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**.

2. Press ▲ or ▼ to choose `Fax`.
   Press **OK**.

3. Press ▲ or ▼ to choose
   `Setup Receive`.
   Press **OK**.

4. Press ▲ or ▼ to choose
   `Memory Receive`.
   Press **OK**.

5. Press ▲ or ▼ to choose
   `PC Fax Receive`.
   Press **OK**.

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

7. Press ▲ or ▼ to choose
   `Backup Print:On` or
   `Backup Print:Off`.
   Press **OK**.

8. Press **Stop/Exit**.

✎ Note

• PC Fax Receive is not supported in the Mac OS®.

• 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.)

• In the event of a power failure, the machine will store your faxes in the memory for approximately 24 hours. However, if you choose `Backup Print:On` the machine will print the fax, so you will have a copy if there is a power failure before it is sent to the PC.

• 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 153.)

Changing the destination PC

a Press **Menu**.

b Press ▲ or ▼ to choose Fax.
Press **OK**.

c Press ▲ or ▼ to choose
Setup Receive.
Press **OK**.

d Press ▲ or ▼ to choose
Memory Receive.
Press **OK**.

e Press ▲ or ▼ to choose
PC Fax Receive.
Press **OK**.

f Press ▲ or ▼ to choose Change.
Press **OK**.

g Press ▲ or ▼ to choose <USB> or the PC
you want to receive.
Press **OK**.

h Press ▲ or ▼ to choose
Backup Print:On or
Backup Print:Off.
Press **OK**.

i Press **Stop/Exit**.

Turning off Memory Receive Operations

a Press **Menu**.

b Press ▲ or ▼ to choose Fax.
Press **OK**.

c Press ▲ or ▼ to choose
Setup Receive.
Press **OK**.

d Press ▲ or ▼ to choose
Memory Receive.
Press **OK**.

e Press ▲ or ▼ to choose Off.
Press **OK**.

f Press **Stop/Exit**.

Note

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 58.)

6

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:

- Erase All Doc?

  Yes → Press 1

  No → Press 2

- Print All Fax?

  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 56.)

  - If you press **2**, faxes in the memory will not be erased or transferred to your PC and the setting will be unchanged.

Fax Preview (Monochrome only)

How to preview a received fax

You can view received faxes on the LCD by pressing the **Fax Preview** key. When the machine is in Ready mode, a popup message will appear on the LCD to alert you of new faxes.

Setting Fax Preview

1. Press **Fax Preview**.

2. Press **1** to choose Yes.
   LCD asks you again to make sure that faxes will not be printed.
   Press **1** to choose OK.

Note

- When you receive colour fax, the machine will treat the data as colour fax or monochrome fax depend on your setting for Memory Receive. (See *Setting Receiving Priority* on page 53.)

- When Fax Preview is turned On, a backup copy of received faxes will not be printed, even if you have set Backup Print On.

- (For Singapore and Hong Kong)
  Fax Preview is not available when Fax Forwarding is turned on.

Using Fax Preview

When you receive a fax, you will see the pop-up message on the LCD. (For example: `New Fax(es): 02`)

a Press **Fax Preview**.
You can see the new fax list.

Note

- (MFC-6490CW)
  If you receive a fax containing multiple paper sizes (for example, a page of A4 data and a page of A3 data), the machine may create and store a file for each paper size. The LCD may show that more than one fax job has been received.

- You can also see your old fax list by pressing *. Press **#** to go back to your new fax list.

b Press **▲** or **▼** to choose the fax you want to see.
Press **OK**.

Note

- If your fax is large there may be a delay before it is displayed on the LCD.

- The LCD will show the current page number and total pages of the fax message. When your fax message is over 99 pages the total number of pages will be shown as "`XX`".

c Press **Stop/Exit**.

When a fax is open the control panel keys will perform the operations shown below.

Key	Description
✱	Enlarge the fax.
#	Reduce the fax.
▲ or ▼	Scroll vertically.
◀ or ▶	Scroll horizontally.
0	Rotate the fax clockwise.
2 ABC	Delete the fax. Press **1** to confirm.
7 PQRS	Go back to the previous page.
9 WXYZ	Go to the next page.
OK	Go to the next step. (Print, Back and Exit are available.)
Clear / Back	Go back to the fax list.
Mono Start	Print the fax. Do one of the following: ■ Press **1** to print the whole message. ■ Press **2** to print only the displayed page. ■ Press **3** to print from the displayed page. (After printing, you can choose to delete or re-print the fax.)

6

59

How to delete all faxes in the list

1️⃣ Press **Fax Preview**.

2️⃣ Press ▲ or ▼ to choose `Delete All`.
Press **OK**.
Press **1** to confirm.

3️⃣ Press **Stop/Exit**.

How to print all faxes in the list

1️⃣ Press **Fax Preview**.

2️⃣ Press ▲ or ▼ to choose `Print All`.
Press **OK**.

3️⃣ Press **Stop/Exit**.

Changing the settings to turn off Fax Preview

1️⃣ Press **Fax Preview**.

2️⃣ Press ▲ or ▼ to choose
`Fax Preview → Off`.
Press **OK**.

3️⃣ Press **1** to choose `Yes`.

4️⃣ Do one of the following:

■ If you do not want to print the stored faxes, press **1**. The machine asks you to confirm the deletion of the stored faxes. Press **1** to confirm.

■ If you want to print all the stored faxes, press **2**.

■ If you want to cancel the setting, press **3**.

Press **Stop/Exit**.

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 (---∗).

1️⃣ Press **Menu**.

2️⃣ Press ▲ or ▼ to choose `Fax`.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose
`Remote Access`.

4️⃣ Enter a three-digit code using numbers **0**-**9**, ∗, or **#**.
Press **OK**. (The preset '∗' cannot be changed.)

📝 **Note**

Do not use the same code as your Remote Activation Code (∗ **5 1** (∗ **9 1** for New Zealand)) or Remote Deactivation Code (**# 5 1** (**# 9 1** for New Zealand)). (See *Operation from extension telephones* on page 73.)

5️⃣ Press **Stop/Exit**.

📝 **Note**

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 4️⃣ 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.

2. When your machine answers, enter your remote access code (3 digits followed by ∗) at once.

3. The machine signals if it has received messages:

   ■ **1 long beep — Fax messages**

   ■ **No beeps — No messages**

4. 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.

5. Press **9 0** to stop Remote Access when you have finished.

6. Hang up.

Note

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. This function may not be available in some countries e.g. Australia.

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 $*$), the system will give two short beeps and you must enter a remote command.

Remote 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 three short beeps, the change was not accepted because something has not been set up (for example, a Fax Forwarding number has not been registered). You can register your Fax Forwarding number by entering 4. (See *Changing your Fax Forwarding number* on page 63.) Once you have registered the number, Fax Forwarding will work.
	4 Fax Forwarding number	
	6 Fax Storage	
96	**Retrieve a fax**	
	2 Retrieve all faxes	Enter the number of a remote fax machine to receive stored fax messages. (See *Retrieving fax messages* on page 63.)
	3 Erase faxes from the memory	If you hear one long beep, fax messages have been erased from the memory.
97	**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 **9 0** 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.

① Dial your fax number.

② When your machine answers, enter your remote access code (3 digits followed by ∗) at once. If you hear one long beep, you have messages.

③ When you hear two short beeps, press **9 6 2**.

④ 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 **# #**.

Note

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

⑤ 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.

① Dial your fax number.

② When your machine answers, enter your remote access code (3 digits followed by ∗) at once. If you hear one long beep, you have messages.

③ When you hear two short beeps, press **9 5 4**.

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 **# #**.

Note

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.

6

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 (Not Available for New Zealand)

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.

2. 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** (**# 9 1** for New Zealand) 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** (**∗ 9 1** for New Zealand).

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 25.)

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** (**∗ 9 1** for New Zealand).

Telephone Service for Australia

Telstra® FaxStream® Duet® (Distinctive Ring)

Telstra® FaxStream® Duet® is an enhanced Public Switched Telephone Service (PSTS) offered by Telstra® that allows you to have an additional number on one phone line, with its own distinctive ring pattern. Telstra® FaxStream® Duet® is a call handling feature that helps users distinguish voice and facsimile calls. With FaxStream® Duet®, incoming calls to a fax number are announced by a different, distinctive ring signal. Only one call can be answered (or made) at any one time and while this call is in progress, incoming calls to either number will be presented with a busy tone.

Your machine has a Distinctive Ring function, allowing you to dedicate one phone number just for receiving faxes.

Note

After you have set the Distinctive Ring feature to On, the receive mode is set to Manual automatically. Your Distinctive Ring Number does not allow Voice calls - only Faxes. You can not change the receive mode from Manual mode while the Distinctive Ring is set to on.

What is the Advantage of using Telstra® FaxStream® Duet® Function?

Using Telstra® FaxStream® Duet® is the most efficient way to receive both fax and telephone calls on the same line. When the voice call comes in, all phones (extension and external) and the fax machine will ring to alert you to pick it up. If a fax call comes in, the fax machine will answer automatically without ringing, whereas the extension and external phones will ring twice with a distinctive ring pattern. It is also a more efficient way of operating a Fax machine with an extension phone as you do not have to use the remote activation codes. It gives you two independent numbers without the higher cost of a second line.

7

How does Telstra® FaxStream® Duet® Work?

Incoming calls to the voice number, will have the standard ring pattern of long, long tone, followed by a pause, repeated, while the new fax number will have a different ring pattern of three short bursts of ring, repeated at regular intervals.

When FaxStream® Duet® is On and you receive a voice call all extension and external phones will ring with a standard ring pattern. The fax machine will ring on the third ring with a standard ring pattern. All external and the extension phones will continue to ring, until you or a telephone answering device can answer the voice number.

When FaxStream® Duet® is On and you receive a fax call on the Duet® number the Fax machine will answer and automatically receive the fax message without ringing. On the other hand, all extension and external phones will ring twice with a distinctive ring pattern. Do not answer the phone as you are receiving a fax message.

Flowchart Sequence of Incoming call

```
        ┌─────────────────────────┐
        │     Incoming Call       │
        │ (either Voice or Fax)   │
        └─────────────────────────┘
                     │
                     ▼
        ┌─────────────────────────┐
        │  All extension phones   │
        │  ring twice, fax        │
        │  machine is silent.     │
        └─────────────────────────┘
```

Registered Duet (Fax) Number

Main number (Voice Number)

```
┌─────────────────┐     ┌─────────────────┐
│ Fax machine     │     │ Fax machine     │
│ automatically   │     │ begins ringing  │
│ receives and    │     │ on third ring.  │
│ prints fax      │     │                 │
│ message without │     │                 │
│ ringing.        │     │                 │
└─────────────────┘     └─────────────────┘
```

```
┌─────────────────┐     ┌─────────────────┐
│ You answer the  │     │ Telephone       │
│ call at an      │     │ Answering       │
│ external phone  │     │ Device (TAD)    │
│ or an extension │     │ answers the     │
│ phone or at the │     │ call.           │
│ machine's       │     │                 │
│ handset.        │     │                 │
└─────────────────┘     └─────────────────┘
```

Registering the Distinctive Ring pattern

Very Important!

After you have set the Distinctive Ring feature to on, the receive mode is set to `Manual` automatically. Your Distinctive Ring Number does not allow Voice calls - only Faxes. You cannot change the receive mode to another mode while the Distinctive Ring is set to on.

1️⃣ Press **Menu**.

2️⃣ Press ▲ or ▼ to choose `Fax`.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose `Miscellaneous`.
Press **OK**.

4️⃣ Press ▲ or ▼ to choose `Distinctive`.

5️⃣ Press ◄ or ► to choose `On`.
Press **OK**.

6️⃣ Press **Stop/Exit**.
Distinctive Ring is now set to on.

Turning off Distinctive Ring

1️⃣ Press **Menu**.

2️⃣ Press ▲ or ▼ to choose `Fax`.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose `Miscellaneous`.
Press **OK**.

4️⃣ Press ▲ or ▼ to choose `Distinctive`.

5️⃣ Press ◄ or ► to choose `Off`.
Press **OK**.

6️⃣ Press **Stop/Exit**.

📝 Note

If you turn off Distinctive Ring, the machine will stay in `Manual` receive mode. You will need to set the Receive Mode again. (See *Choose the Receive Mode* on page 49.)

Caller ID

Caller ID is a telephone service that allows the subscriber to see a display of the caller's phone number or name 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 machine memory.

✎ Note

To get the Caller ID Service: apply for the Caller ID service at your local telephone company, if available.

Advantages of Caller ID

For Business

All businesses profit from a quicker response to customer calls. Businesses that provide mail order services, money-lending services or provide confidential information, can protect themselves from false orders or acceptance of false identification.

At Home

Residential customers can protect themselves from unwanted calls.

How Does the Caller ID Work?

The Caller ID Appears on the Display When Your Telephone Rings

As your telephone rings, the display shows you the caller's phone number or name if the name has stored in the One-Touch and Speed-Dial. Once you answer the call, the caller's ID disappears. You will see up to the first 18 characters of the number on the display.

✎ Note

- If ID Unknown appears on the display, it means that the call came from outside your caller ID service area or a public phone. [1]

- If ID Withheld appears on the display, it means the caller intentionally blocked the transmission of his/her ID. [1]

[1] Depends on network function.

The Caller ID is Stored in Your Machine Memory

The machine can store a maximum of the last 30 incoming caller IDs in the memory, along with the time and date of reception. The 31st call will cause the oldest ID to be erased.

The Caller ID information stored in the memory can be used for the following.

■ **Printing the Caller ID List.**

You can review calls you received by checking the Caller IDs in memory. This report will list the Date, Time, Phone Number (Caller ID) name, and type of Call (Comment) if available. (See *How to print a report* on page 86.)

7

Telephone Service for New Zealand

FaxAbility

FaxAbility is a service offered by Telecom that allows you to have an additional number on one phone line, with its own distinctive ring pattern. This way, when you get an incoming call, you can identify the number being called by its ring.

How Will the Fax Machine Treat All Other Numbers?

FaxAbility mode ensures that the machine will answer calls to the FaxAbility (secondary) number. When a call comes in to your main number, all the phones will ring. You can set an external answering device (TAD) to answer calls on the other number(s). (See the chart in the following page.)

What is the Advantage of Using the FaxAbility Function?

Using FaxAbility is the most efficient way to receive both fax and telephone calls on the same line. It is much easier for your callers who dial manually. The fax machine will answer with receiving tones so they will not have to press an activation code. And the people who call to talk on your main number will not have to talk to your fax machine. Basically, it gives you two independent numbers without the higher cost of a second line.

How Does FaxAbility Work?

Your telephone number will have the standard ring pattern of long, long tone, while the new number will have a ring pattern of long, silence, long, etc. When FaxAbility is On, you will not hear the first ring of all incoming calls on the fax machine. Extension phones will ring as usual. If the fax machine recognizes the ring pattern, all ringing will stop and the fax machine will answer and automatically receive the fax message. Otherwise, you will hear the extension phones and the fax machine continue to ring. The fax machine always listens to the ring pattern before it answers, so do not pick up the phone during that time. You will quickly learn to recognize the ring pattern for faxes, so you will not be tempted to answer that number. Either you or a telephone answering device can answer the main number(s).

Flowchart Sequence of Incoming call

```
        ┌─────────────────────────┐
        │   Incoming Call         │
        │ (either Voice or Fax)   │
        └─────────────────────────┘
                    │
        ┌─────────────────────────┐
        │ All extension phones ring│
        │ twice, fax machine is silent.│
        └─────────────────────────┘
         Registered          Main number
         Duet (Fax)          (Voice Number)
         Number
   ┌──────────────┐      ┌──────────────┐
   │ Fax machine  │      │ Fax machine  │
   │ automatically│      │ begins ringing│
   │ receives and prints│ │ on third ring.│
   │ fax message  │      └──────────────┘
   │ without ringing.│
   └──────────────┘
       ┌──────────────────┐  ┌──────────────────┐
       │ You answer the call│ │ Telephone Answering│
       │ at an external phone│ │ Device (TAD)      │
       │ or an extension   │  │ answers the call. │
       │ phone or at the   │  └──────────────────┘
       │ machine's handset.│
       └──────────────────┘
```

Note

> After you have set the FaxAbility feature to `On`, the receive mode is set to `Manual` automatically. Unless you have a TAD or Voice Mail set up on the FaxAbility number, Manual mode means you must answer all the call yourself. You can not change the receive mode to the other mode while the FaxAbility is set to on.

How to Turn FaxAbility OFF or ON

The FaxAbility function is designed to accommodate the FaxAbility service provided by Telecom. To change the setting, repeat steps ❶-❻; Step ❺ is where you can choose either `On` or `Off`.

Call Waiting beeps caused by incoming calls on your main number can affect fax transmissions. If you have FaxAbility Service but don't have Call Waiting, you need do nothing at this stage. If you do have Call Waiting as well as FaxAbility, set the Call Waiting menu option to `On`. See below.

❶ Press **Menu**.

❷ Press ▲ or ▼ to choose `Fax`.
Press **OK**.

❸ Press ▲ or ▼ to choose `Miscellaneous`.
Press **OK**.

❹ Press ▲ or ▼ to choose `Faxability`.

❺ Press ◄ or ► to set FaxAbility to `On` (or `Off`).
If you have FaxAbility service, choose `On`.
Press **OK**.

❻ Press ▲ or ▼ to choose `Call Waiting`.
Press ◄ or ► to set `Call Waiting` to `On`.
If you have Call Waiting service, choose `On` to avoid the trouble caused by Call Waiting.
Press **OK**.

❼ Press **Stop/Exit**.

Caller ID

Caller ID is a telephone service that allows the subscriber to see a display of the caller's phone number and name if available 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 machine memory.

📝 Note

To get the Caller ID Service, apply for the Caller ID service at your local telephone company, if available.

Advantages of Caller ID

For Business

All businesses profit from a quicker response to customer calls. Businesses that provide mail order services, money-lending services or provide confidential information, can protect themselves from false orders or acceptance of false identification.

At Home

Residential customers can protect themselves from unwanted calls.

How Does the Caller ID Work?

The Caller ID Appears on the Display When Your Telephone Rings

As your telephone rings, the display shows you the caller's phone number or name if available. Once you answer the call, the caller's ID disappears. You will see up to the first 18 characters of the number and name if available on the display. (See *How to print a report* on page 86.)

📝 Note

- If `ID Unknown` appears on the display, it means that the call came from outside your caller ID service area. [1]

- If `ID Withheld` appears on the display, it means the caller intentionally blocked the transmission of his/her ID. [1]

[1] Depends on network function.

Telephone Service for Some Countries

Distinctive Ring (For Singapore and Hong Kong)

This machine feature lets you use the Distinctive Ring subscriber service offered by some telephone companies, which allows you to have several telephone numbers on one phone line. Each phone number has its own Distinctive Ring pattern, so you will know which phone number is ringing. This is one way you can have a separate phone number for your machine.

Your machine has a Distinctive Ring function, allowing you to dedicate one phone number just for receiving faxes. You will need to set Distinctive Ring to `On`.

Note

You can switch it off temporarily, then turn it back on. When you get a new fax number, make sure you reset this function.

- The machine will answer only calls to the Distinctive Ring number.

Registering the Distinctive Ring pattern

Very Important!

After you have set the Distinctive Ring feature to on, the receive mode is set to `Manual` automatically. Unless you have a TAD or Voice Mail set up on the Distinctive Ring number, `Manual` mode means you must answer all the calls yourself. You cannot change the receive mode to another mode while the Distinctive Ring is set to on.

1 Press **Menu**.

2 Press ▲ or ▼ to choose `Fax`.
Press **OK**.

3 Press ▲ or ▼ to choose `Miscellaneous`.
Press **OK**.

4 Press ▲ or ▼ to choose `Distinctive`.

5 Press ◀ or ▶ to choose `On`.
Press **OK**.

6 Press **Stop/Exit**.
Distinctive Ring is now set to on.

Turning off Distinctive Ring

1 Press **Menu**.

2 Press ▲ or ▼ to choose `Fax`.
Press **OK**.

3 Press ▲ or ▼ to choose `Miscellaneous`.
Press **OK**.

4 Press ▲ or ▼ to choose `Distinctive`.

5 Press ◀ or ▶ to choose `Off`.
Press **OK**.

6 Press **Stop/Exit**.

Note

If you turn off Distinctive Ring, the machine will stay in `Manual` receive mode. You will need to set the Receive Mode again. (See *Choose the Receive Mode* on page 49.)

Caller ID (For Singapore and Hong Kong)

The Caller ID feature of this machine lets you use the Caller ID subscriber service offered by many local phone companies. Call your telephone company for details. This service provides you, by means of the screen display, the telephone number (or name) of your caller as the line rings.

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 18 characters of the number or name.

■ ID Unknown display means call originates outside your Caller ID service area.

■ ID Withheld display means the caller has intentionally blocked transmission of information.

Note

You can print a list of Caller ID information received by your machine. (See *How to print a report* on page 86.)

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 two 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.

Note

If you do not receive all your faxes, shorten the Ring Delay setting on your external TAD.
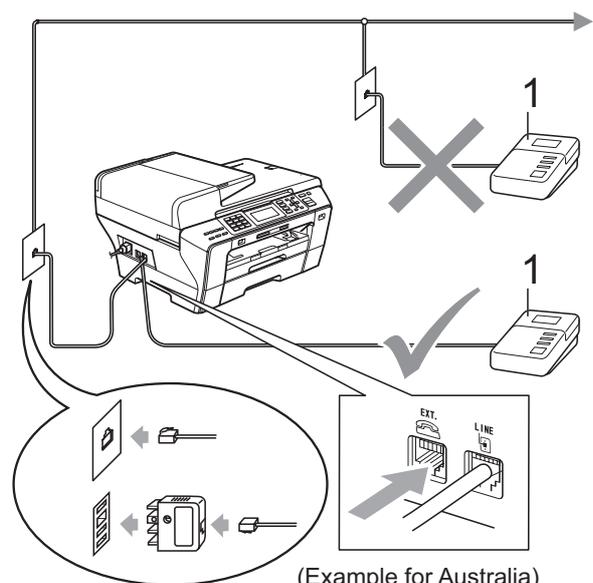
(Example for Australia)

1 TAD

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

⊘ **Improper Setup**

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

Connections

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

① Set your external TAD to one or two rings. (The machine's Ring Delay setting does not apply.)

② Record the outgoing message on your external TAD.

③ Set the TAD to answer calls.

④ Set the Receive Mode to External TAD. (See *Choose the Receive Mode* on page 49.)

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.

Note

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 (PABX)

Most offices use a central telephone system.

Brother recommends that all our machines be connected to a discreet (dedicated) line. Although a particular PABX may appear to work with a particular model of fax machine, we cannot guarantee that the unit will operate correctly.

While it is often relatively simple to connect a fax machine to a PABX, (Private Automatic Branch Exchange), we suggest that you contact the company that installed your telephone system and ask them to connect the fax machine for you.

Brother does not recommend the use of a PABX line. PABX limitations in general can cause some functions of the fax machine not to work correctly.

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.

(Example for Australia)
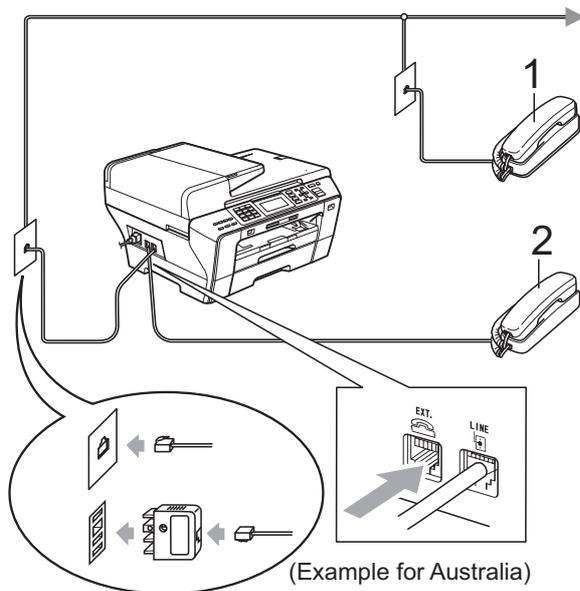
1   **Extension telephone**
2   **External telephone**

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

Operation from extension 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** (* **9 1** for New Zealand), 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** (**# 9 1** for New Zealand) to take the call at an extension telephone. (See *F/T Ring Time (Fax/Tel mode only)* on page 51.)

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** (* **9 1** for New Zealand) and wait for the chirp or until the LCD shows Receiving, and then hang up.

🖉 Note

You can also use the Fax Detect feature to make your machine automatically take the call. (See *Fax Detect* on page 52.)

Using a cordless external telephone

If your cordless telephone is connected to the telephone line cord (See *External and extension telephones* on page 73) 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 telephone, you can tell your machine to receive it by dialling the Remote Activation Code * **5 1** (* **9 1** for New Zealand). Wait for the chirping sounds then replace the handset. (See *Fax Detect* on page 52.) Your caller will have to press **Start** to send the fax.

If you answer a fax call at the external telephone, you can make the machine receive the fax by pressing **Mono Start** and choose Receive.

7

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** (**# 9 1** for New Zealand) (make sure you press this *between* the rings).

If the machine answers a voice call and pseudo/double-rings for you to take over, you can take the call at the external telephone by pressing **Hook**.

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** (* **9 1** for New Zealand). The preset Remote Deactivation Code is **# 5 1** (**# 9 1** for New Zealand). If you want to, you can replace them with your own codes.

1. Press **Menu**.

2. Press ▲ or ▼ to choose Fax.
   Press **OK**.

3. Press ▲ 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. Press ▲ or ▼ to choose Deact.Code:
   and enter the new Remote Deactivation Code.
   Press **OK**.

8. Press **Stop/Exit**.

📝 **Note**

- 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.

8

Dialling and storing numbers

How to Dial

Manual dialling

Press all of the digits of the fax or telephone number.
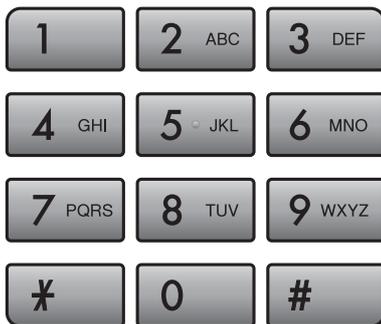
One Touch Dialling

Your machine has 3 One Touch keys where you can store 6 fax or telephone numbers for automatic dialling.
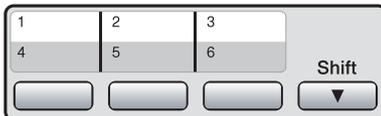
Press the One Touch key that stores the number you want to call. (See *Storing One Touch Dial numbers* on page 77.) To access numbers 4 to 6, hold down **Shift** as you press the One Touch key.

Speed Dialling

a Press ⬚ (**Phone Book**).

You can also choose `Phone Book` by pressing ⬚ (**Fax**).

b Press ▲ or ▼ to choose `Search`.
Press **OK**.

c Press the two-digit Speed Dial number.
(See *Storing Speed Dial numbers* on page 79.)

d If you have two numbers in the location, press ▲ or ▼ to choose the number you want to call.
Press **OK**.

Note

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

8

75

Search

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

a Press 📖 (**Phone Book**).
You can also choose Phone Book by pressing ☎ (**Fax**).

b Press ▲ or ▼ to choose Search.
Press **OK**.

c Press ▲ or ▼ to choose
Alphabetical Order or
Numerical Order.
Press **OK**.

Note

• Press * to make the LCD font size larger.

• Press # to make the LCD font size smaller.

d If you chose Alphabetical Order in step **c**, 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 **Colour 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.

a Press **Redial/Pause**.

b Press ▲ or ▼ to choose the number you want to redial.
Press **OK**.

c Press ▲ or ▼ to choose Send a fax.
Press **OK**.

d Press **Mono Start** or **Colour Start**.

Note

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 One Touch or Speed Dial, or delete from the history.

a Press **Redial/Pause**.
You can also choose Outgoing Call by pressing ☎ (**Fax**).

b Press ▲ or ▼ to choose the number you want.
Press **OK**.

c Do one of the following:

■ To send a fax, press ▲ or ▼ to choose Send a fax.

Press **OK**.

Press **Mono Start** or **Colour Start**.

■ If you want to store the number, press ▲ or ▼ to choose Add To Phone Book.

Press **OK**.

(See *Storing One Touch numbers from Outgoing Calls* on page 78 or *Storing Speed Dial numbers from Outgoing Calls* on page 80.)

■ Press ▲ or ▼ to choose Delete.

Press **OK**.

Press **1** to confirm.

d Press **Stop/Exit**.

Caller ID history

This feature requires the Caller ID subscriber service offered by many local telephone companies. (See *Caller ID* on page 67.) (See *Caller ID* on page 69.) (See *Caller ID (For Singapore and Hong Kong)* on page 71.)

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 One Touch or Speed Dial, or delete from the history. When the thirty-first call comes in to the machine, it replaces information about the first call.

a Press 　⬛ (**Fax**).

b Press ▲ or ▼ to choose
   Caller ID hist.
   Press **OK**.

c Press ▲ or ▼ to choose the number you
   want.
   Press **OK**.

d Do one of the following:

   ■ To send a fax, press ▲ or ▼ to choose
     Send a fax.

     Press **OK**.

     Press **Mono Start** or **Colour Start**.

   ■ If you want to store the number,
     press ▲ or ▼ to choose
     Add To Phone Book.

     Press **OK**.

     (See *Storing Speed Dial numbers
     from Outgoing Calls* on page 80.)

   ■ Press ▲ or ▼ to choose Delete.

     Press **OK**.

     Press **1** to confirm.

e Press **Stop/Exit**.

Note

You can print the Caller ID list.
(See *How to print a report* on page 86.)

Storing numbers

You can set up your machine to do the following types of easy dialling: One Touch, 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.

Note

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 One Touch Dial numbers

Your machine has 3 One Touch keys where you can store 6 fax or telephone numbers for automatic dialling. To access numbers 4 to 6 hold down **Shift** as you press the One Touch key.

a Press the One Touch key where you
   want to store the number.
   Press **1** to choose Yes.

Note

You can also store one Touch Dial
numbers pressing 📖 (**Phone Book**).

Press ▲ or ▼ to choose
Set One Touch Dial.
Press **OK**.

Press ▲ or ▼ to choose the location where
you want to store the number in.
Press **OK**.

8

b 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 206.)

■ To store the number without a name, press **OK**.

c Enter the fax or telephone number (up to 20 digits).
Press **OK**.

Note

(MFC-6490CW only)
If you want to store an E-mail address to use with Internet fax or Scan to E-mail server, press ▲ to choose Dial Type, and then press ◄ or ► to change the option to E-Address. Press ▼ to choose FAX/TEL/MAIL and then enter the E-mail address. (See *Entering Text* on page 206.)

d Press ▲ or ▼ to choose Complete.
Press **OK**.

e Press **Stop/Exit**.

Storing One Touch numbers from Outgoing Calls

You can store One Touch numbers from the Outgoing Call history.

a Press **Redial/Pause**.
You can also choose Outgoing Call
by pressing ▒ (**Fax**).

b Press ▲ or ▼ to choose the name or number you want to store.
Press **OK**.

c Press ▲ or ▼ to choose
Add To Phone Book.
Press **OK**.

d Press ▲ or ▼ to choose the One Touch Dial number where you want to store the number.
Press **OK**.

Note

One Touch Dial numbers begin with ∗ (for example, ∗ **0 2**).

e Do one of the following:

■ Enter the name using the dial pad (up to 16 characters).

Press **OK**.

(To help you enter letters, see *Entering Text* on page 206.)

■ To store the number without a name, press **OK**.

f Press **OK** to confirm the fax or telephone number.

g Press ▲ or ▼ to choose Complete.
Press **OK**.

h Press **Stop/Exit**.

Storing One Touch numbers from the Caller ID history

If you have the Caller ID subscriber service from your telephone company you can also store One Touch numbers from incoming calls in the Caller ID History. (See *Caller ID* on page 67.) (See *Caller ID* on page 69.) (See *Caller ID (For Singapore and Hong Kong)* on page 71.)

a Press ▒ (**Fax**).

b Press ▲ or ▼ to choose
Caller ID hist.
Press **OK**.

c Press ▲ or ▼ to choose the number you want to store.
Press **OK**.

d Press ▲ or ▼ to choose
Add To Phone Book.
Press **OK**.

e Press ▲ or ▼ to choose the 2-digit One Touch location where you want to store the number in. Press **OK**.

Note

One Touch Dial numbers begin with ∗ (for example, ∗ **0 2**).

f 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 206.)

■ To store the number without a name, press **OK**.

g Press **OK** to confirm the fax or telephone number.

h Press ▲ or ▼ to choose Complete. Press **OK**.

i Press **Stop/Exit**.

Storing Speed Dial numbers

You can store up to 80 (MFC-5890CN) or 100 (MFC-6490CW) 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:

📖 (**Phone Book**), the two-digit number, and **Mono Start** or **Colour Start**).

a Press 📖 (**Phone Book**).

b Press ▲ or ▼ to choose Set Speed Dial. Press **OK**.

c Press ▲ or ▼ to choose the Speed Dial location where you want to store the number in. Press **OK**.

d 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 206.)

■ To store the number without a name, press **OK**.

e Enter the fax or telephone number (up to 20 digits). Press **OK**.

Note

(MFC-6490CW only)
If you want to store an E-mail address to use with Internet fax or Scan to E-mail server, press ▲ to choose Dial Type, and then press ◄ or ► to change the option to E-Address. Press ▼ to choose FAX/TEL/MAIL, and then enter the E-mail address and press **OK**. (See *Entering Text* on page 206.)

f 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**.

g Press ▲ or ▼ to choose Complete. Press **OK**.

h Do one of the following:

■ To store another Speed Dial number, go to step **c**.

■ To finish the setting, press **Stop/Exit**.

8

Storing Speed Dial numbers from Outgoing Calls

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

a Press **Redial/Pause**.
You can also choose `Outgoing Call` by pressing [📠] (**Fax**).

b Press ▲ or ▼ to choose the name or number you want to store.
Press **OK**.

c Press ▲ or ▼ to choose
`Add To Phone Book`.
Press **OK**.

d Press ▲ or ▼ to choose the Speed Dial location you want to store the number in.
Press **OK**.

Note

Speed Dial numbers begin with **#** (for example, **# 0 2**).

e 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 206.)

■ To store the number without a name, press **OK**.

f Press **OK** to confirm the fax or telephone number.

g 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**.

h Press ▲ or ▼ to choose `Complete`.
Press **OK**.

i 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* on page 67.) (See *Caller ID* on page 69.) (See *Caller ID (For Singapore and Hong Kong)* on page 71.)

a Press [📠] (**Fax**).

b Press ▲ or ▼ to choose
`Caller ID hist.`
Press **OK**.

c Press ▲ or ▼ to choose the number you want to store.
Press **OK**.

d Press ▲ or ▼ to choose
`Add To Phone Book`.
Press **OK**.

e Press ▲ or ▼ to choose the 2-digit Speed Dial location you want to store the number in.
Press **OK**.

Note

Speed Dial numbers begin with **#** (for example, **# 0 2**).

f 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 206.)

■ To store the number without a name, press **OK**.

g Press **OK** to confirm the fax or telephone number.

h 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**.

i Press ▲ or ▼ to choose `Complete`.
Press **OK**.

j Press **Stop/Exit**.

Changing One Touch or Speed Dial names or numbers

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

a Press ⬚ (**Phone Book**).

b Press ▲ or ▼ to choose
Set One Touch Dial or
Set Speed Dial.
Press **OK**.

c Press ▲ or ▼ to choose the 2-digit One Touch or Speed Dial location you want to change.
Press **OK**.

d 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 ❽.

Note

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.

e Do one of the following:

 ■ If you want to change the name, press ▲ or ▼ to choose Name.
Press **OK** and enter the name (up to 16 characters) using the dial pad.

 Press **OK**.

 (See *Entering Text* on page 206.)

 ■ If you do not want to change the name, go to step ❻.

f Do one of the following:

 ■ If you want to change the fax or telephone number, press ▲ or ▼ to choose Fax/Tel1:. You can also change Fax/Tel2: if you are changing Speed Dial.
Press **OK** and enter the new fax or telephone number (up to 20 digits).

 Press **OK**.

 ■ If you do not want to change the number, go to step ❼.

g Press ▲ or ▼ to choose Complete.
Press **OK**

h Press **Stop/Exit**.

8

Setting up groups for broadcasting

Groups, which can be stored in a One Touch key or a Speed Dial location, allow you to send the same fax message to many fax numbers by pressing only a One Touch key or $\frac{\square\square}{\blacktriangle}$ (**Phone Book**), the two-digit location and **Mono Start**. First, you'll need to store each fax number in a One Touch key or Speed-Dial location. Then you can include them as numbers in the Group. Each Group uses up a One Touch key or Speed Dial location. You can have up to six Groups, or you can assign up to 165 (MFC-5890CN), 205 (MFC-6490CW) numbers in a large Group.

(See *Storing Speed Dial numbers* on page 79 and *Broadcasting (Monochrome only)* on page 43.)

a Press $\frac{\square\square}{\blacktriangle}$ (**Phone Book**).

b Press ▲ or ▼ to choose Setup Groups. Press **OK**.

c Press ▲ or ▼ to choose GROUP1, GROUP2, GROUP3, GROUP4, GROUP5 or GROUP6 for the Group name where you will store the fax numbers. Press **OK**.

d Press ▲ or ▼ to choose the 2-digit One Touch or Speed Dial location you want to add to the Group. Press **OK**.

Note

Speed Dial numbers start with **#**.
One Touch numbers start with *.

e Press ▲ or ▼ to choose Add Number. Press **OK**.

f 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**.

Note

Speed Dial numbers start with **#**.
One Touch numbers start with *.

g After you have finished adding numbers by repeating steps ❺ to ❻, press ▲ or ▼ to choose Complete. Press **OK**.

h Press **Stop/Exit**.

Note

You can print a list of all the One Touch and Speed Dial numbers. Group numbers will be marked in the GROUP column. (See *Reports* on page 86.)

Changing a Group name

a Press $\frac{\square\square}{\blacktriangle}$ (**Phone Book**).

b Press ▲ or ▼ to choose Setup Groups. Press **OK**.

c Press ▲ or ▼ to choose the Group name you want to change. Press **OK**.

d Press ▲ or ▼ to choose Change Group Name. Press **OK**.

Note

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.

e Enter the new name (up to
16 characters) using the dial pad.
Press **OK**.
(See *Entering Text* on page 206. For
example, type NEW CLIENTS.)

f Press ▲ or ▼ to choose Complete.
Press **OK**.

g Press **Stop/Exit**.

Deleting a Group

a Press 📖 (**Phone Book**).

b Press ▲ or ▼ to choose Setup Groups.
Press **OK**.

c Press ▲ or ▼ to choose the Group you
want to delete.
Press **OK**.

d Press ▲ or ▼ to choose Delete.
Press **OK**.
Press **1** to confirm.

e Press **Stop/Exit**.

Deleting a number from a Group

a Press 📖 (**Phone Book**).

b Press ▲ or ▼ to choose Setup Groups.
Press **OK**.

c Press ▲ or ▼ to choose the Group you
want to change.
Press **OK**.

d Press ▲ or ▼ to choose the number you
want to delete.
Press **OK**.
Press **1** to confirm.

e Press ▲ or ▼ to choose Complete.
Press **OK**.

f 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 One Touch and Speed Dial
numbers. You can store these long dialling
sequences by dividing them and setting them
up as separate One Touch and Speed Dial
numbers in any combination. You can even
include manual dialling using the dial pad.
(See *Storing Speed Dial numbers*
on page 79.)

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

a Press 📖 (**Phone Book**).

b Press ▲ or ▼ to choose Search.
Press **OK**.

c Press ▲ or ▼ to choose
Numerical Order.
Press **OK**.

d Press ▲ or ▼ to choose #03.
Press **OK**.

📝 **Note**

Speed Dial numbers start with #.
One Touch numbers start with *.

e Press **OK** to choose Send a fax.

f Press ▲ or ▼ to choose Phone Book.
Press **OK**.

g Press ▲ or ▼ to choose Search.
Press **OK**.

h Press ▲ or ▼ to choose
Numerical Order.
Press **OK**.

8

9 Press ▲ or ▼ to choose `*02`.
Press **OK**.

10 Press **OK** to choose `Send a fax.`

11 Press **Mono Start** or **Colour 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 (**Phone Book**), choose `Search`, press **03** and then press **7001** using the dial pad.

Note

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`, `Off+Image` or `Off2+Image` (MFC-6490CW) will print a section of the fax's first page on the report to help you remember.

(MFC-5890CN)
When the 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.

(MFC-6490CW)
When the Transmission Verification Report is turned `Off` or `Off+Image`, the Report will print if there is a transmission error and the fax was not sent. It will also print if there is a transmission error, with images reduced to a smaller size.

When the Transmission Verification Report is set to `Off2` or `Off2+Image`, the Report will only print if there is a transmission error, and the fax could not be sent.

Note

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 46.)

1. Press **Menu**.

2. Press ▲ or ▼ to choose `Fax`.
   Press **OK**.

3. Press ▲ or ▼ to choose `Report Setting`.
   Press **OK**.

4. Press ▲ or ▼ to choose `Transmission`.

5. (MFC-5890CN)
   Press ◄ or ► to choose `On`, `On+Image`, `Off` or `Off+Image`.
   Press **OK**.

   (MFC-6490CW)
   Press ◄ or ► to choose `On`, `On+Image`, `Off`, `Off+Image`, `Off2` or `Off2+Image`.
   Press **OK**.

6. Press **Stop/Exit**.

9

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 86. The factory setting is `Every 50 Faxes`.

a Press **Menu**.

b Press ▲ or ▼ to choose `Fax`.
Press **OK**.

c Press ▲ or ▼ to choose
`Report Setting`.
Press **OK**.

d Press ▲ or ▼ to choose
`Journal Period`.

e 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.

f Enter the time to start printing in 24-hour format.
Press **OK**.
(For example: enter 19:45 for 7:45 PM.)

g 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 One Touch and 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

a Press **Menu**.

b Press ▲ or ▼ to choose
`Print Reports`.
Press **OK**.

c Press ▲ or ▼ to choose the report you want.
Press **OK**.

d Press **Mono Start**.

e 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

a Press ⬛ (**Fax**).

b Press ▲ or ▼ to choose `Polling RX`.

c Press ◀ or ▶ to choose `Standard`.
Press **OK**.

d Enter the fax number you are polling.

e Press **Mono Start** or **Colour 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.

a Press ⬛ (**Fax**).

b Press ▲ or ▼ to choose `Polling RX`.

c Press ◀ or ▶ to choose `Secure`.
Press **OK**.

d Enter a four-digit secure code.
This is the same as the security code of the fax machine you are polling.
Press **OK**.

e Enter the fax number you are polling.

f Press **Mono Start** or **Colour 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.

a Press ⬛ (**Fax**).

b Press ▲ or ▼ to choose `Polling RX`.

c Press ◀ or ▶ to choose `Timer`.
Press **OK**.

d Enter the time (in 24-hour format) you want to start polling.
For example, enter 21:45 for 9:45 PM.
Press **OK**.

e Enter the fax number you are polling.

f Press **Mono Start** or **Colour Start**.
The machine makes the polling call at the time you entered.

10

Sequential polling (Monochrome only)

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

a Press 📠 (**Fax**).

b Press ▲ or ▼ to choose Polling RX.

c Press ◀ or ▶ to choose Standard, Secure or Timer.
Press **OK**.

d Do one of the following:

■ If you chose Standard.
Press **OK** and go to step ❺.

■ If you chose Secure, press **OK** and enter a four-digit number.
Press **OK**, go to step ❺.

■ If you chose Timer, press **OK** and enter the time (24-hour format) you want to begin polling.
Press **OK**, go to step ❺.

e Press ▲ or ▼ to choose Broadcasting.
Press **OK**.

f Do one of the following:

■ Press ▲ or ▼ to choose Add Number and enter a number using a dial pad.
Press **OK**.

■ Press ▲ or ▼ to choose Phone Book and **OK**. Press ▲ or ▼ to choose Alphabetical Order or Numerical Order and **OK**. Press ▲ or ▼ to select a number and **OK**.

Note

One Touch Dial locations begin with ∗.
Speed Dial locations begin with **#**.

g After you have entered all the fax numbers by repeating step ❻, press ▲ or ▼ to choose Complete.
Press **OK**.

h 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 47.

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 47.)

Setup for polled transmit

a Press (**Fax**).

b Load your document.

c Press ▲ or ▼ to choose Polled TX.

d Press ◄ or ► to choose Standard.
Press **OK**.

e 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.

f Press **Mono Start**.

g 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 ❽.

- Press **2** or **Mono Start** to send the document.

h Place the next page on the scanner glass, press **OK**. Repeat ❼ and ❽ 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.

a Press (**Fax**).

b Load your document.

c Press ▲ or ▼ to choose Polled TX.

d Press ◄ or ► to choose Secure.
Press **OK**.

e Enter a four-digit number.
Press **OK**.

f 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.

g Press **Mono Start**.

10

Section III

Copy

11 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 ─── 📄 01                    ● ● ● ●
        ⬍ Quality         ◀ Normal              ▶
          Enlarge/Reduce    ▎ 100%
          Ratio:            ▎
          Tray Select       ▎ Tray#1
        COPY                Copy ⇒ Press Start ◀▶
```
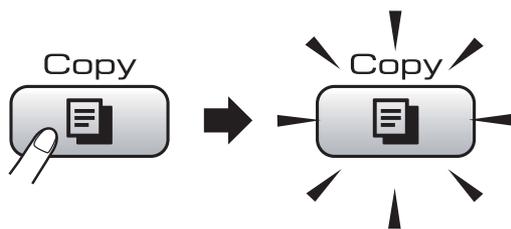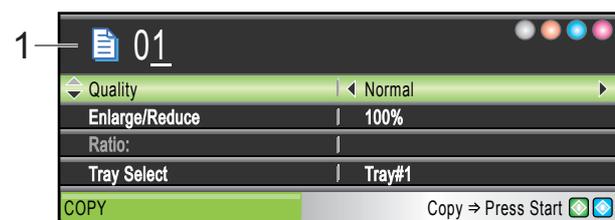
1 No. of Copies

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 93.)
- `Enlarge/Reduce` (See page 93.)
- `Tray Select` (MFC-6490CW) (See page 97.)
- `Paper Type` (See page 97.)
- `Paper Size` (See page 97.)
- `Brightness` (See page 96.)
- `Contrast` (See page 97.)
- `Stack/Sort` (See page 96.)
- `Page Layout` (See page 94.)
- `Skew Adjustment` (MFC-6490CW) (See page 98.)
- `Book Copy` (See page 98.)
- `Watermark Copy` (See page 99.)
- `Set New Default` (See page 100.)
- `Factory Reset` (See page 100.)

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

📝 Note

- 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 26.)

- `Book Copy` and `Watermark Copy` features are supported by technology from Reallusion, Inc. **REALLUSION**

Making a single copy

1. Press ☐ (**Copy**).

2. Load your document. (See *Loading documents* on page 22.)

3. Press **Mono Start** for B&W copy or **Colour Start** for colour 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 22.)

3. Enter the number of copies you want.

4. Press **Mono Start** for B&W copy or **Colour Start** for colour copy.

📝 Note

To sort the copies, press ▲ or ▼ to choose `Stack/Sort`. (See *Sorting copies using the ADF* on page 96.)

Stop copying

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

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 26.)

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

If you want to choose more settings, press ▲ or ▼.

Note

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 100.)

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.

④ Press ▲ or ▼ to choose Quality.

⑤ Press ◄ or ► to choose Fast, Normal or Best.
   Press **OK**.

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

(MFC-5890CN only)
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 Enlarge/Reduce.

⑤ 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 ➐.

11

100%
198% 10x15cm→A4
186% 10x15cm→LTR
142% A4→A3, A5→A4
97% LTR→A4
93% A4→LTR
83% LGL→A4
69% A3→A4 (MFC-6490CW only), 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 **Colour Start**.

Note

- Page Layout and Skew Adjustment are 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 if the document on the scanner glass is skewed by 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.

(MFC-6490CW) The 1 to 2 feature copies one A3 or Ledger size page onto two A4 or Letter size pages. If you use this setting, use the scanner glass.

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, Ledger, A4 or A3.

- You cannot use the Enlarge/Reduce setting with the N in 1 and Poster features.

- If you are producing multiple colour copies, N in 1 copy is not available.

- (P) means Portrait and (L) means Landscape.

- You can only make one poster copy and 1 to 2 copy at a time.

Note

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

- (MFC-5890CN)
4 in 1 and Poster (3 × 3) are not available if you are using A3 or Ledger size paper.

a Press [目] (**Copy**).

b Load your document.

c Enter the number of copies you want.

d Press ▲ or ▼ to choose Page Layout.

e (MFC-5890CN)
Press ◀ or ▶ to choose Off(1 in 1),
2 in 1 (P),2 in 1 (L),
4 in 1 (P),4 in 1 (L),
Poster(2 x 2) or Poster(3 x 3).
Press **OK**.
Go to step g.

(MFC-6490CW)
Press ◀ or ▶ to choose Off(1 in 1),
2 in 1 (P),2 in 1 (L),
4 in 1 (P),4 in 1 (L),1 to 2,
Poster(2 x 2) or Poster(3 x 3).
Press **OK**.

If you chose 2 in 1 or
Poster(2 x 2) with A3 or Ledger, go
to step f to choose the paper size of
your document.
If you choose another setting, go to
step g.

f (MFC-6490CW)
Do one of the following:

■ If you chose 2 in 1 (P) or
2 in 1 (L),press ▲ or ▼ to choose
Layout Format. Press ◀ or ▶ to
choose LGRx2 → LGRx1,
LTRx2 → LGRx1,A3x2 → A3x1 or
A4x2 → A3x1.

■ If you chose Poster(2 x 2),
press ▲ or ▼ to choose
Layout Format. Press ◀ or ▶ to
choose LGRx1 → LGRx4,
LTRx1 → LGRx4,A3x1 → A3x4 or
A4x1 → A3x4.

g If you do not want to change additional
settings, press **Mono Start** or
Colour 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 h.**

h After the machine scans the page,
press **1** to scan the next page.

i Place the next page on the scanner
glass.
Press **OK**.
Repeat steps h and i for each page of
the layout.

j After all the pages have been scanned,
press **2** to finish.

**If you are copying from the ADF, insert the
document face up in the direction shown
below:**

■ **2 in 1 (P)**

■ **2 in 1 (L)**

■ **4 in 1 (P)**

■ **4 in 1 (L)**

11
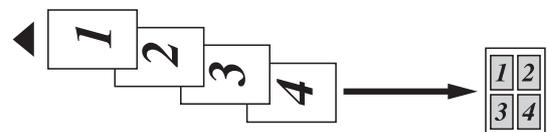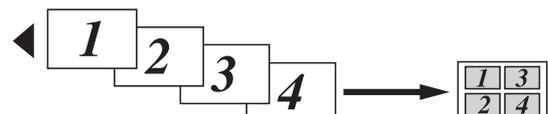
If you are copying from the scanner glass, place the document face down in the direction shown below:

■ **2 in 1 (P)**

■ **2 in 1 (L)**
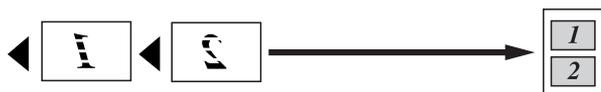
■ **1 to 2 (MFC-6490CW)**

■ **4 in 1 (P)**

■ **4 in 1 (L)**

■ **Poster (2 x 2)**

You can make a poster size copy of a photograph.
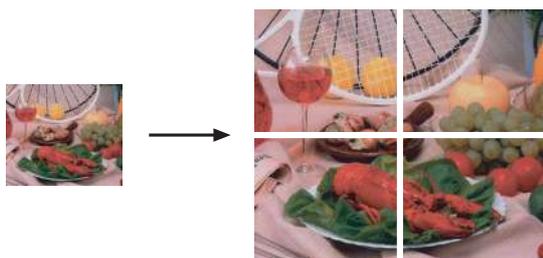
■ **Poster (3 x 3)**

You can make a poster size copy of a photograph.
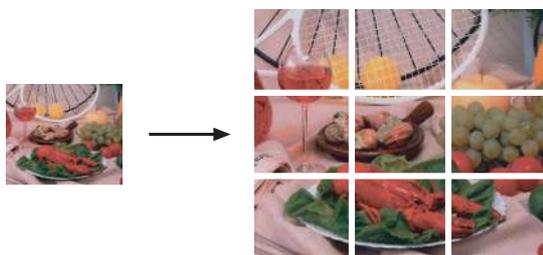
Sorting copies using the ADF

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

① Press ▣ (**Copy**).

② Load your document.

③ Enter the number of copies you want.

④ 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 **Colour Start**.

✎ **Note**

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.

⑤ 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 **Colour 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.

4. 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 **Colour 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.

5. 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 **Colour 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 Ledger, A3, Letter, Legal, A4, A5 or Photo 10 cm × 15 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, A3, 10x15cm, Letter, Legal or Ledger. Press **OK**.

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

Tray Select (MFC-6490CW only)

You can change the tray that will be used for the next copy. To change the default tray see *Tray use in Copy mode (MFC-6490CW only)* on page 28.

1. Make sure you are in Copy mode.

2. Load your document.

3. Enter the number of copies you want.

4. Press ▲ or ▼ to choose Tray Select.

5. Press ◀ or ▶ to choose Tray#1 or Tray#2. Press **OK**.

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

11

Skew Adjustment (MFC-6490CW only)

If your copy is scanned skewed, your machine can correct the data automatically. This setting is only available when using the scanner glass and 100% copy.

a Press 🔲 (**Copy**).

b Load your document.

c Enter the number of copies you want.

d Press ▲ or ▼ to choose Skew Adjustment.

e Press ◄ or ► to choose Auto (or Off). Press **OK**.

f If you do not want to change additional settings, press **Mono Start** or **Colour Start**.

✐ Note

- Page Layout, Enlarge/Reduce, Book Copy and Watermark Copy are not available with Skew Adjustment.

- You cannot use this setting with Ledger, A3 or paper smaller than 64 mm × 91 mm.

- This setting is only available for paper that is rectangular or square.

- Skew Adjustment is only available if the document is skewed by less than 3 degrees.

- Skew Adjustment may not work correctly if your document is too thick.

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.

a Press 🔲 (**Copy**).

b Load your document.

c Enter the number of copies you want.

d Press ▲ or ▼ to choose Book Copy.

e Do one of the following:

- If you want to correct the data yourself, press ◄ or ► to choose On(Preview).

  Press **Mono Start** or **Colour Start** and go to step **f**.

- If you want the machine to correct the data automatically, press ◄ or ► to choose On and go to step **g**.

f Adjust the skewed data by using **#** or **＊**. Remove the shadows by using ▲ or ▼.

g If you have finished making corrections, press **Mono Start** or **Colour Start**.

✐ Note

Book Copy is not available with Page Layout, Sort, Fit to Page, Skew Adjustment 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.

Note

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

Using a template

1. Press ▢ (**Copy**).

2. Load your document.

3. Enter the number of copies you want.

4. Press ▲ or ▼ to choose Watermark Copy. Press **OK**.

5. Press ◀ or ▶ to choose On.

6. Press ▲ or ▼ to choose Current Setting. Press **OK**.

7. Press ▲ or ▼ to choose Template. Press **OK**.

8. If you want to change any of the displayed settings, press ▲ or ▼ to choose the setting, and then press ◀ or ▶ to choose the option you want.

9. When you are finished changing settings, press ▲ or ▼ to choose Apply. Press **OK**.

10. Press **Mono Start** or **Colour Start**.

Using data from a media card or USB Flash memory drive data

1. Press ▢ (**Copy**).

2. Load your document.

3. Enter the number of copies you want.

4. Press ▲ or ▼ to choose Watermark Copy. Press **OK**.

5. Press ◀ or ▶ to choose On.

6. Press ▲ or ▼ to choose Current Setting. Press **OK**.

7. Insert a media card or USB Flash memory drive. Press ▲ or ▼ to choose Media. Press **OK**.

8. Press ◀ or ▶ to choose the data you want to use for the watermark. Press **OK**.

9. If you want to change any of the displayed settings, press ▲ or ▼ to choose the setting, and then press ◀ or ▶ to choose the option you want.

10. When you are finished changing settings, press ▲ or ▼ to choose Apply. Press **OK**.

11. Press **Mono Start** or **Colour Start**.

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.

11

Using a scanned paper document as your watermark

a Press [📋] (**Copy**).

b Enter the number of copies you want.

c Press ▲ or ▼ to choose
Watermark Copy.
Press **OK**.

d Press ◀ or ▶ to choose On.

e Press ▲ or ▼ to choose
Current Setting.
Press **OK**.

f Press ▲ or ▼ to choose Scan. Press **OK**,
and place the page that you want to use
as a watermark on the scanner glass.

g Press **Mono Start** or **Colour Start**.

h Take out the watermark document you
scanned and load the document you
want to copy.

i Press ◀ or ▶ to change the
Transparency of the watermark.
Press **OK**.

j Press **Mono Start** or **Colour Start**.

Note

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, Tray Select (MFC-
6490CW only), Brightness, Contrast,
Page Layout or Skew Adjustment
(MFC-6490CW only) that you use most often
by setting them as the default settings. These
settings will stay until you change them again.

a Press [📋] (**Copy**).

b Press ▲ or ▼ to choose your new setting.
Press **OK**.
Repeat this step for each setting you
want to change.

c After changing the last setting, press
▲ or ▼ to choose Set New Default.
Press **OK**.

d Press **1** to choose Yes.

e 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.

a Press [📋] (**Copy**).

b Press ▲ or ▼ to choose
Factory Reset.
Press **OK**.

c Press **1** to choose Yes.

d 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 **Colour 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 *Memory Receive (Monochrome only)* on page 54.)

■ Print the faxes that are in the memory. (See *Printing a fax from the memory* on page 54.)

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%.

11

Section IV

Direct Photo Printing

12

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 107.)

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 118.)

Using PhotoCapture Center™ from your computer

You can access a memory card or USB Flash memory drive that is inserted in 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®, Memory Stick®, Memory Stick Pro™, SD, SDHC, xD-Picture Card™ and USB Flash memory drives.

CompactFlash®

Memory Stick®
Memory Stick Pro™

SD, SDHC

xD-Picture Card™

22 mm or less

11 mm or less
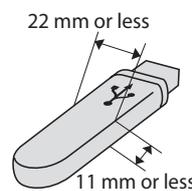
USB Flash memory drive

■ 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™ 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.

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™ printing must be performed separately from PhotoCapture Center™ operations using the PC. (Simultaneous operation is not available.)

■ IBM Microdrive™ is not compatible with the machine.

■ The machine can read up to 999 files on a memory card or USB Flash memory drive.

■ CompactFlash® Type II is not supported.

■ This product supports xD-Picture Card™ Type M / Type M+ / Type H (Large Capacity).

■ The DPOF file on the memory cards must be in a valid DPOF format. (See *DPOF printing* on page 113.)

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®.

12

Getting started

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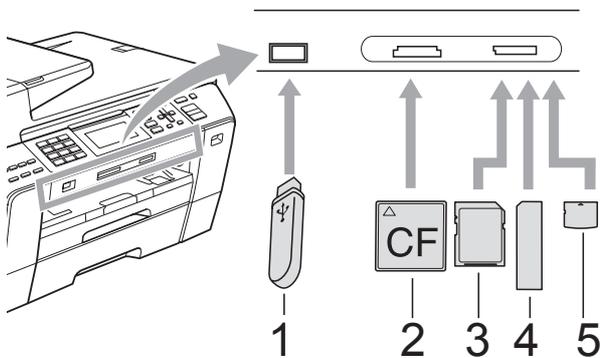
1 USB Flash memory drive

2 CompactFlash®

3 SD, SDHC

4 Memory Stick®, Memory Stick Pro™

5 xD-Picture Card™

⚠ 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:
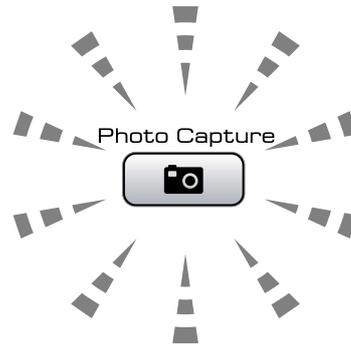
■ **Photo Capture** light is on, the memory card or USB Flash memory drive is correctly inserted.

■ **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.

⚠ 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.

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:

View Photo(s)	▶	View photos on the LCD and select the images you want to print.
Print Index		
Print Photos		
Enhance Photos		
Search by Date		
Print All Photos		
PHOTO		Select & Press ⭘ OK
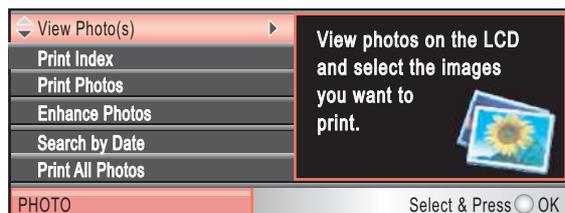
Press ▲ or ▼ to scroll through the PhotoCapture key options.

- `View Photo(s)` (See page 107.)
- `Print Index` (See page 108.)
- `Print Photos` (See page 109.)
- `Enhance Photos` (See page 109.)
- `Search by Date` (See page 112.)
- `Print All Photos` (See page 112.)
- `Slide Show` (See page 112.)
- `Trimming` (See page 113.)

Note

If your digital camera supports DPOF printing, see *DPOF printing* on page 113.

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

Print Images

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.

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

Press 📷 (**Photo Capture**).

b Press ▲ or ▼ to choose `View Photo(s)`.
Press **OK**.

c Press ◀ or ▶ to choose your photo.

Note

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 108.)

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

e Repeat step ❸ and step ❹ until you have chosen all the photos.

Note

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

f After you have chosen all the photos, do one of the following:

- Press **OK** and change the print settings. (See page 114.)
- If you do not want to change any settings, press **Colour Start** to print.

12

Print Index (Thumbnails)

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

NO. 1   01. 01. 2009
DEI.JPG   100KB

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.

Note

Only file names that are 8 characters or less will be printed correctly on the index sheet.

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

Press (**Photo Capture**).

② Press ▲ or ▼ to choose Print Index. Press **OK**.

③ Press ▲ or ▼ to choose Layout Format. Press ◄ or ► to choose 6 Images/Line or 5 Images/Line. Press **OK**.
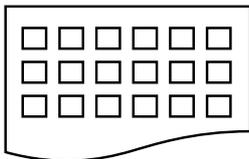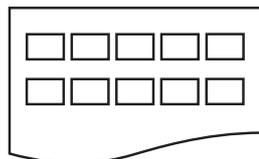
6 Images/Line   5 Images/Line

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

④ 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 ▲ or ▼ to choose Paper Size and press ◄ or ► 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 ⑤.

⑤ Press **Colour Start** to print.

Printing Photos

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

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

Press 📷 (**Photo Capture**).

b Print the Index. (See *Print Index (Thumbnails)* on page 108.)

c Press ▲ or ▼ to choose Print Photos. Press **OK**.

d Enter the image number that you want to print from the thumbnails printed on the Index page.
Press **OK**.

e Repeat step d until you have entered the image numbers that you want to print.

Note

• 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.

f After you have chosen the image numbers, press **OK** again.

g Enter the number of copies you want using the dial pad.

h Do one of the following:

■ Change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour Start** to print.

Enhance Photos

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

Note

• 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.

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

Press 📷 (**Photo Capture**).

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

c Press ◄ or ► to choose your photo. Press **OK**.

d Press ▲ or ▼ to choose Auto Correct. Press **OK**.

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

f Do one of the following.

■ Press **OK** and change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour Start** to print.

Note

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

12

Enhance Skin-**Tone**

Enhance Skin-Tone is best used for adjusting portrait photographs. It detects human skin colour 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**).

(2) Press ▲ or ▼ to choose Enhance Photos.
Press **OK**.

(3) Press ◀ or ▶ to choose your photo.
Press **OK**.

(4) Press ▲ 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 ▲ or ▼ 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 114.)

■ If you do not want to change any settings, press **Colour 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**).

(2) Press ▲ or ▼ to choose Enhance Photos.
Press **OK**.

(3) Press ◀ or ▶ to choose your photo.
Press **OK**.

(4) Press ▲ or ▼ 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.

(7) Do one of the following.

■ Press **OK** and change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour Start** to print.

Remove Red-Eye

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

✎ Note

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.

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

Press [📷] (**Photo Capture**).

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

c Press ◀ or ▶ to choose your photo.
Press **OK**.

d Press ▲ or ▼ 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.

✎ Note

Press **#** to try Remove Red-Eye once again.

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

f Do one of the following.

- Press **OK** and change the print settings. (See page 114.)

- If you do not want to change any settings, press **Colour Start** to print.

Monochrome

You can convert your photo to monochrome.

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

Press [📷] (**Photo Capture**).

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

c Press ◀ or ▶ to choose your photo.
Press **OK**.

d Press ▲ or ▼ to choose Monochrome.
Press **OK**.

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

f Do one of the following.

- Press **OK** and change the print settings. (See page 114.)

- If you do not want to change any settings, press **Colour Start** to print.

Sepia

You can convert the colour of your photo to sepia.

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

Press [📷] (**Photo Capture**).

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

c Press ◀ or ▶ to choose your photo.
Press **OK**.

d Press ▲ or ▼ to choose Sepia.
Press **OK**.

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

f Do one of the following.

- Press **OK** and change the print settings. (See page 114.)

- If you do not want to change any settings, press **Colour Start** to print.

12

Search by Date

You can find your photos based on date.

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

Press 🔳 (**Photo Capture**).

b Press ▲ or ▼ to choose
Search by Date.
Press **OK**.

c Press ▲ or ▼ to choose the date that you want to search from.
Press **OK**.

d Press ◀ or ▶ to choose your photo.

Note

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

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

f Repeat step d and step e until you have chosen all your photos.

g After you have chosen all your photos, do one of the following:

■ Press **OK** and change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour Start** to print.

Print All Photos

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

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

Press 🔳 (**Photo Capture**).

b Press ▲ or ▼ to choose
Print All Photos.
Press **OK**.

c Enter the number of copies you want using the dial pad.

d Do one of the following:

■ Change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour 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.

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

Press 🔳 (**Photo Capture**).

b Press ▲ or ▼ to choose Slide Show.
Press **OK**.

c Press **Stop/Exit** to finish Slide show.

Printing a photo during a Slide show

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

Press 🔳 (**Photo Capture**).

b Press ▲ or ▼ to choose Slide Show.
Press **OK**.

c Press **OK** to stop at one image while Slide show is operating.

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

e Do one of the following:

■ Press **OK** and change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour Start** to print.

Trimming

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

Note

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.

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

Press ■ (**Photo Capture**).

b Press ▲ or ▼ to choose Trimming.
Press **OK**.

c Press ◀ or ▶ to choose your photo.
Press **OK**.

d 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.

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

f Do one of the following:

■ Press **OK** and change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour 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.

a 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.

b Press **1** to choose Yes.

c Do one of the following:

■ Change the print settings. (See page 114.)

■ If you do not want to change any settings, press **Colour Start** to print.

Note

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.

12

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 26.)

Note

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 118.)

```
Print Setting                          0001      1
  Print Quality          ◄ Photo              ►
  Paper Type               Other Glossy
  Paper Size               10 x 15 cm
  Print Size               Max. Size
  Brightness               0
 PHOTO                      Print ⇒ Press Start
```

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` (Not available for DPOF printing)	`Normal`/`Photo`	—	115
`Paper Type`	`Plain Paper`/`Inkjet Paper`/ `Brother BP71`/`Other Glossy`	—	115
`Paper Size`	`10x15cm`/`13x18cm`/ `A4`/`A3`/`Letter`/`Ledger`	(When A4 or Letter is chosen) `8 x 10cm`/ `9 x 13cm`/ `10 x 15cm`/`13 x 18cm`/ `15 x 20cm`/`Max. Size`	115
`Brightness` (Not available when `Enhance Photos` is chosen)	◄ 0 Dark ——⌂—— Light ►	—	116
`Contrast` (Not available when `Enhance Photos` is chosen)	◄ 0 - ——⌂—— + ►	—	116

Menu Selections	Options 1	Options 2	Page
Color Enhance (Not available when Enhance Photos is chosen)	On/Off White Balance ◄0-─────△────+► Sharpness ◄0-─────△────+► Color Density ◄0-───△─────+► Exit	—	116
Cropping	On/Off	—	117
Borderless	On/Off	—	117
Date Print (Not available for DPOF printing)	On/Off	—	117
Set New Default	Yes/No	—	118
Factory Reset	Yes/No	—	118

Print Speed and Quality

1. Press ▲ or ▼ to choose Print Quality.

2. Press ◄ or ► to choose Normal or Photo.
   Press **OK**.

3. If you do not want to change additional settings, press **Colour Start** to print.

Paper options

Paper Type

1. Press ▲ or ▼ to choose Paper Type.

2. Press ◄ or ► to choose the paper type you are using, Plain Paper, Inkjet Paper, Brother BP71 or Other Glossy.
   Press **OK**.

3. If you do not want to change additional settings, press **Colour Start** to print.

Paper and print size

1. Press ▲ or ▼ to choose Paper Size.

2. Press ◄ or ► to choose the paper size you are using, 10x15cm, 13x18cm, A4, A3, Letter or Ledger.
   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 8 x 10cm	2 9 x 13cm	3 10 x 15cm
4 13 x 18cm	5 15 x 20cm	6 Max. Size

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

12

115

Adjusting Brightness, Contrast and Colour

Brightness

1️⃣ Press ▲ or ▼ to choose Brightness.

2️⃣ Press ◀ or ▶ to make a darker or lighter print.
Press **OK**.

3️⃣ If you do not want to change additional settings, press **Colour Start** to print.

Contrast

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

1️⃣ Press ▲ or ▼ to choose Contrast.

2️⃣ Press ◀ or ▶ to change the contrast.
Press **OK**.

3️⃣ If you do not want to change additional settings, press **Colour Start** to print.

Colour Enhancement

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

1️⃣ Press ▲ or ▼ to choose
Color Enhance.
Press **OK**.

2️⃣ Do one of the following:

■ If you want to customize the White Balance, Sharpness or Colour Density, press ◀ or ▶ to choose On, and then go to step 3️⃣.

■ If you do not want to customize, press ◀ or ▶ to choose Off.

Press **OK** and then go to step 6️⃣.

3️⃣ Press ▲ or ▼ to choose
White Balance, Sharpness or
Color Density.

4️⃣ Press ◀ or ▶ to adjust the degree of the setting.
Press **OK**.

5️⃣ Do one of the following:

■ If you want to customize another colour enhancement, press ▲ or ▼ to choose another option.

■ If you want to change other settings, press ▲ or ▼ to choose Exit, and then press **OK**.

6️⃣ If you do not want to change additional settings, press **Colour Start** to print.

Note

• **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 colour. 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.

• **Colour Density**

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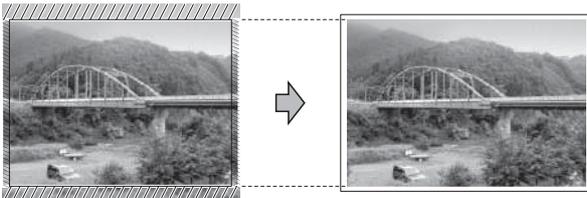
Cropping

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.
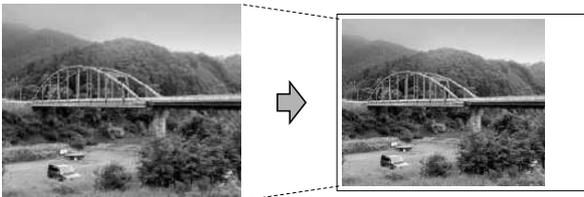
The factory setting is On. If you want to print the whole image, turn this setting to Off. If you are also using the Borderless setting, turn Borderless to Off. (See *Borderless printing* on page 117.)

1. Press ▲ or ▼ to choose Cropping.

2. Press ◀ or ▶ to choose Off (or On). Press **OK**.

3. If you do not want to change additional settings, press **Colour Start** to print.

Cropping: On

Cropping: Off

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.

2. Press ◀ or ▶ to choose Off (or On). Press **OK**.

3. If you do not want to change additional settings, press **Colour 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.

1. Press ▲ or ▼ to choose Date Print.

2. Press ◀ or ▶ to choose On (or Off). Press **OK**.

3. If you do not want to change additional settings, press **Colour Start** to print.

Note

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

12

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.

1 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 ▲ or ▼ 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

⟱ (**Scan**).

The LCD shows:
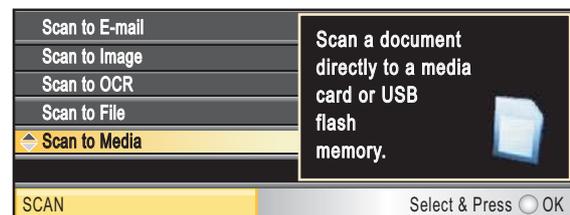
Press ▲ or ▼ to choose `Scan to Media`.

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® or Macintosh® 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 colour documents onto a memory card or USB Flash memory drive. Monochrome documents will be stored in PDF (*.PDF) or TIFF (*.TIF) file formats. Colour 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 colour 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

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

⚠ CAUTION

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

b Load your document.

c Press ⬄ (**Scan**).

d Press ▲ or ▼ to choose
Scan to Media.
Press **OK**.

e Do one of the following:

■ To change the quality, press ▲ or ▼ to choose Quality.

Go to step f.

■ Press **Mono Start** or **Colour Start** to start scanning without changing additional settings.

📝 Note

(MFC-6490CW only)
If you are using the scanner glass of the machine you can change the glass scan size.
Press ▲ or ▼ to choose Glass ScanSize and ◀ or ▶ to choose A4, A3, Letter, Legal or Ledger.

f Press ◀ or ▶ to choose
Color 150 dpi, Color 300 dpi, Color 600 dpi, B/W 200x100 dpi or B/W 200 dpi.
Press **OK**.

g Do one of the following:

■ To change the file type, go to step h.

■ Press **Mono Start** or **Colour Start** to start scanning without changing additional settings.

h Press ▲ or ▼ to choose File Type.
Press ◀ or ▶ to choose JPEG, PDF or TIFF.
Press **OK**.

📝 Note

• If you chose colour in the resolution setting, you cannot choose TIFF.

• If you chose monochrome in the resolution setting, you cannot choose JPEG.

i Do one of the following:

■ To change the file name, go to step j.

■ Press **Mono Start** or **Colour Start** to start scanning without changing additional settings.

j 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 206.) You can only change the first 6 characters.
Press **OK**.

📝 Note

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

k Press **Mono Start** or **Colour Start**.

12

Glass Scan Size (MFC-6490CW only)

To scan a Letter, Legal, Ledger, or A3 size document, you need to change the Glass ScanSize setting. The default setting is A4.

1️⃣ Press 🔲 (**Scan**).

2️⃣ Press ▲ or ▼ to choose
Scan to Media.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose
Glass ScanSize.

4️⃣ Press ◀ or ▶ to choose A4, A3, Letter, Legal or Ledger.

✎ Note

• You can save the setting you use most often by setting it as the default. (See *Setting your changes as a new default* on page 118.)

• This setting is only available for scanning documents from the scanner glass.

How to change the file name

You can change the file name.

1️⃣ Press 🔲 (**Scan**).

2️⃣ Press ▲ or ▼ to choose
Scan to Media.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose File Name.

4️⃣ Enter the new name using the dial pad. You can only change the first 6 digits. (See *Entering Text* on page 206.)

How to set a new default

You can set your own default setting.

1️⃣ Press 🔲 (**Scan**).

2️⃣ Press ▲ or ▼ to choose
Scan to Media.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose
Set New Default.
Press **OK** and **1** to choose Yes.

4️⃣ Press **Stop/Exit**.

How to reset to factory settings

You can restore the machine to factory settings.

1️⃣ Press 🔲 (**Scan**).

2️⃣ Press ▲ or ▼ to choose
Scan to Media.
Press **OK**.

3️⃣ Press ▲ or ▼ to choose
Factory Reset.
Press **OK** and **1** to choose Yes.

4️⃣ 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 http://solutions.brother.com. This message will also appear if you connect a broken device to the USB direct interface.

12

13   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 124.)

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™ operations are not available when using the PictBridge feature.

Setting your digital camera

Make sure your camera is in PictBridge mode. The following PictBridge settings may be available from the LCD of your PictBridge compatible camera.

Depending on your camera some of these settings may not be available.

Camera Menu Selections	Options
Paper Size	Ledger, A3, Letter, A4, 10x15cm, Printer Settings (Default setting) [2]
Paper Type	Plain Paper, Glossy Paper, Inkjet Paper, Printer Settings (Default setting) [2]
Layout	Borderless: On, Borderless: Off, Printer Settings (Default setting) [2]
DPOF setting [1]	-
Print Quality	Normal, Fine, Printer Settings (Default setting) [2]
Color Enhancement	On, Off, Printer Settings (Default setting) [2]
Date Print	On, Off, Printer Settings (Default setting) [2]

[1] See *DPOF printing* on page 123 for more details.

[2] 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 camera.

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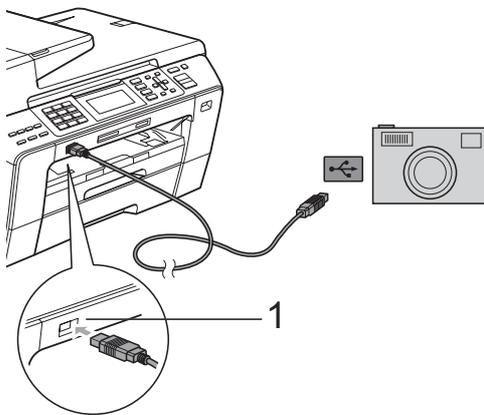
Printing Images

Note

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

a 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

b Turn on the camera.
When the machine has recognized the camera, the LCD shows
Camera Connected.

c 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.

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.

Note

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.

13

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 122.)

Note

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

Note

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

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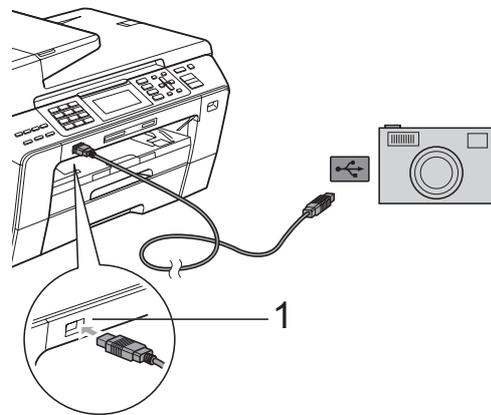
1 USB direct interface

b Turn on the camera.

c Follow the steps in *Print Images* on page 107.

⚠ 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 153.)

Section V

Software

14 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®)
- Remote Setup
- Faxing from your computer
- PhotoCapture Center™
- Network Printing
- Network Scanning
- Wired and Wireless Network (MFC-6490CW only)

How to read HTML User's Guide

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

For Windows®

Note

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**.

2 Click **SOFTWARE USER'S GUIDE** (or **NETWORK USER'S GUIDE**) from the top menu.

3 Click the heading you would like to view from the list at the left of the window.
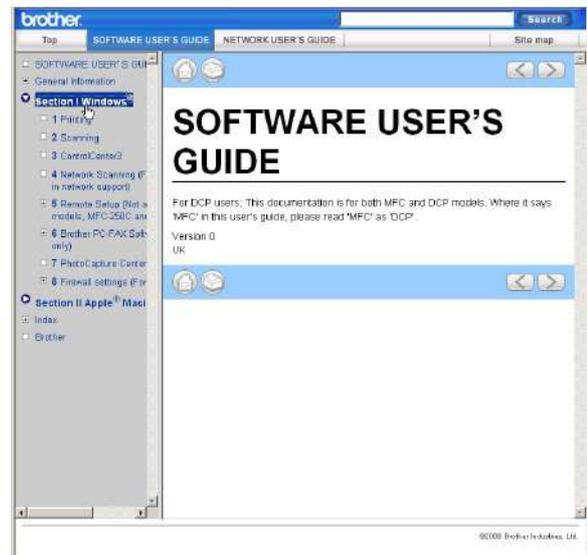
For Macintosh®

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.

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.
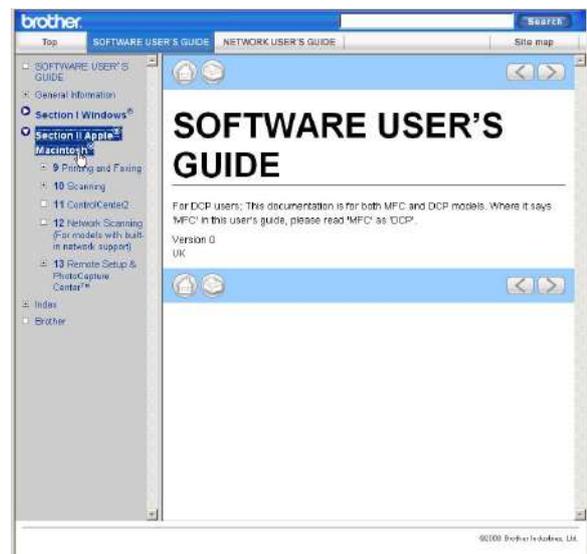
Section VI

> # Appendixes

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.

❗ **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.

Note

If there are faxes in the machine's memory, you need to print them or save them before you unplug the machine from the AC power outlet for more than 24 hours. (To print the faxes in memory, see *Printing a fax from the memory* on page 54. To save the faxes in memory, see *Transferring faxes to another fax machine* on page 159 or *Transferring faxes to your PC* on page 159.)

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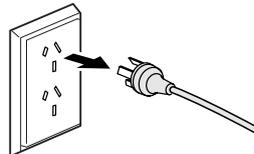
DO NOT handle the plug with wet hands. Doing this might cause an electrical shock.

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.
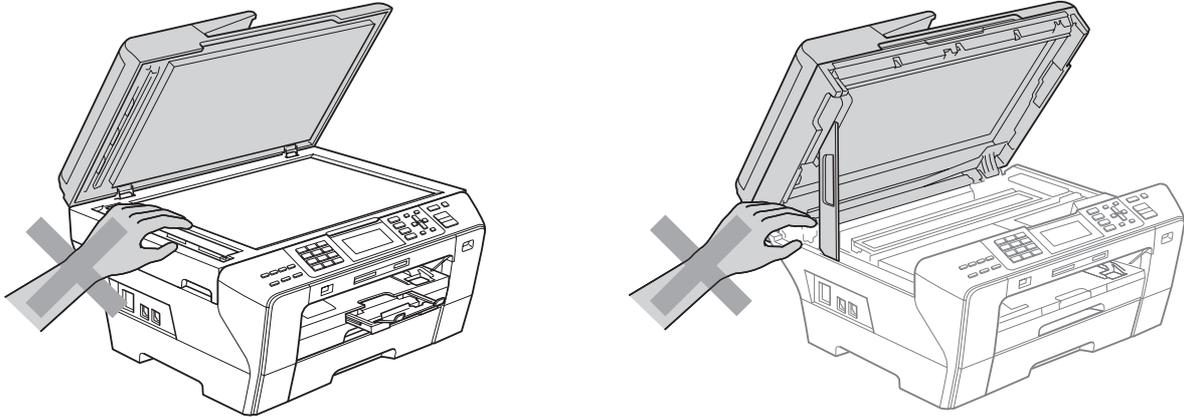
DO NOT put your hands in front of the machine under the scanner cover. Doing this may cause injury.
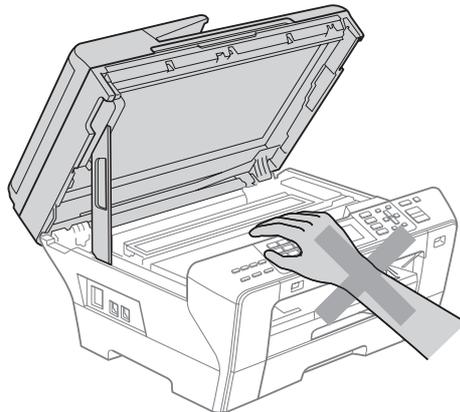
DO NOT put your hands on the edge of the paper tray under the paper tray cover. Doing this may cause injury.
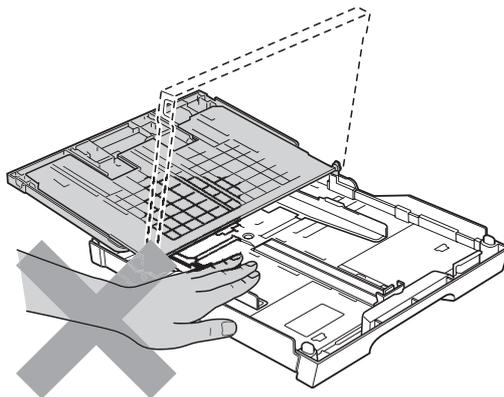
DO NOT touch the area shaded in the illustration. Doing this may cause injury.
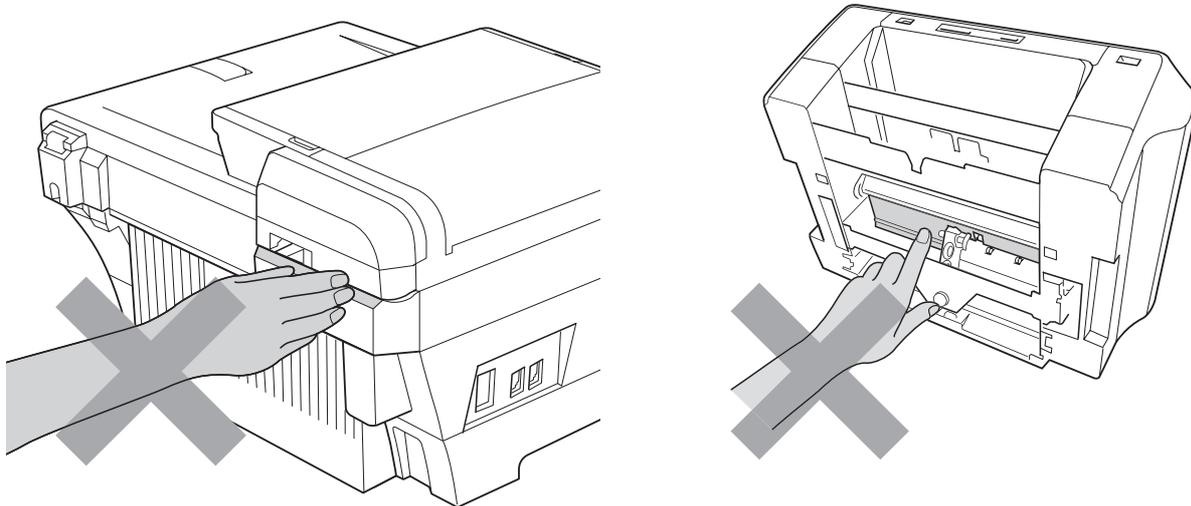
When moving the machine you must lift it from the base, by placing a hand at each side of the unit as shown in the illustration. DO NOT carry the machine by holding the scanner cover or the Jam Clear Cover.

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.

A

⚠️

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.

⚠️

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.

![Warning triangle icon]

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-For Your Safety

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

Extension cords used with the equipment must be two-condoctor or 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

⚠ **CAUTION**

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

Radio interference

This product complies with EN55022 (CISPR Publication 22) /Class B. When connecting the machine to a computer, ensure that you use a USB cable which does not exceed 2.0 m in length.

A

International ENERGY STAR® Compliance Statement

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

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

Important Information for Australia

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 socket 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 use this product near water.

6 Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.

7 Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heater. This product should never be placed in a built-in installation unless adequate 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 grounded plug, a plug having a third (grounded) pin. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounded plug.

10 Do not place anything on top of the power cord including this machine. Do not allow the power cord to be stepped on.

11 Do not place anything in front of the machine that will block received faxes. Do not place anything in the path of received faxes.

12 Do not touch a document during printing.

13 Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in a risk of fire or electric shock. Never spill liquid of any kind on the product.

14 Do not attempt to service this product yourself, because opening or removing covers may expose you to dangerous voltage points and/or other risks. Refer all servicing to service personnel.

15 Wait until pages have exited the machine before picking them up.

A

16 Unplug this product from the electrical socket and refer servicing to Authorized Service Personnel under the following conditions:

- When the power cord is damaged or frayed.

- If liquid has been spilled into the product.

- If the product has been exposed to rain or water.

- If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

- If the product has been dropped or the cabinet has been damaged.

- If the product exhibits a distinct change in performance, indicating a need for service.

17 Small metallic objects such as pins and staples may be attracted to the phone's earpiece.

Important Information for New Zealand

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. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

5 The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

6 This equipment does not fully meet Telecom's impedance requirements. Performance limitations may occur when used in conjunction with some parts of the network. Telecom will accept no responsibility should difficulties arise in such circumstances.

7 If a charge for local calls is acceptable, the "Dial Button" should not be used for local calls. Only the 7-digits of the local number should be dialled from your telephone. Do not dial the area code digit or the "0 " prefix.

8 This equipment shall not be set to make automatic calls to the Telecom '111 ' Emergency Service.

9 This equipment should not be used under any circumstances which may constitute a nuisance to other Telecom customers.

10 Not all telephones will respond to incoming ringing when connected to the extension socket.

11 The answer delay setting of this equipment shall not be set to less than the default setting as this will destroy Caller ID information.

12 All persons using this device for recording telephone conversations shall comply with New Zealand law. This requires that at least one party to the conversation is to be aware that it is being recorded. In addition, the Principles enumerated in the Privacy Act 1993 shall be complied with in respect to the nature of the personal information collected, the purpose for its collection, how it is to be used and what it disclosed to any other party.

13 Do not place this product on an unstable surface, stand, or table. The product may fall, causing serious damage to the product.

14 Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heater. This product should not be placed in a built-in installation unless proper ventilation is provided.

15 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.

16 This product is equipped with a 3-wire earthed plug. This plug will fit into only an earthed socket. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete socket. Do not defeat the purpose of an earthed plug.

17 Do not place anything on top of the power cord including this machine. Do not allow the power cord to be stepped on.

18 Do not place anything in front of the machine that will block received faxes. Do not place anything in the path of received faxes.

19 Do not touch a document during printing.

20 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 a risk of fire or electric shock. Never spill liquid of any kind on the product.

21 Do not attempt to service this product yourself, because opening or removing covers may expose you to dangerous voltage points and/or other risks. Refer all servicing to service personnel.

22 Unplug this product from the mains power and telephone line sockets, and refer servicing to qualified Service Personnel under the following conditions:

■ If the power cord is damaged or frayed.

■ If liquid has been spilled into the product.

■ If the product has been exposed to rain or water.

■ If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Incorrect 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.

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23 This unit will only work in conjunction with a tone signalling (DTMF) telephone, but some telephones are not compatible. Since noise or speech from the telephone can upset dialling from this unit, errors may result if the devices are used together in other than quiet conditions.

24 Where it is necessary to dial prefix digits, such as a Caller Display override code ("0196 " or "0197 "), this unit will have to be used in conjunction with an associated tone signalling (DTMF) telephone.

25 Note that some telephones are not compatible with this unit and dialling errors may result if the two devices are used together in other than quiet conditions. The Telecom Faults Service is not to be called should such problems arise. In such cases, it is recommended that the prefix and wanted number are dialled manually.

26 This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

27 This equipment is not capable, under all operating conditions, of correct operation at the higher speeds for which it is designed. Telecom will accept no responsibility should difficulties arise in such circumstances. This condition typically applies to 56 kbit/s modems and facsimile machines operating at >14.4 kbit/s.

28 When using the Caller Line Identification incorporated in this device, verify the integrity of the recorded digits prior to dialling.

29 Some parameters required for compliance with Telecom's Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom's Specifications:

■ There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation.

■ The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next call attempt.

■ Automatic calls to different numbers are spaced such that there is not less than 5 seconds between the end of one call attempt and the beginning of another.

■ Equipment shall be set to ensure that calls are answered within 3 and 30 seconds of the receipt of ringing.

30 In the event of any problem with this device, it is to be disconnected, and a CPE item connected to one of its terminal ports may be connected directly in its place.
The user should then arrange for the product to be repaired. Should the matter be reported to Telecom as a wiring fault and the fault is proven to be due to this product, a call out charge will be incurred by the customer.

31 The Caller ID telephone numbers that are displayed and stored in this equipment include the caller's area code but not the toll access "0" prefix. When calling back it is necessary to add a "0" to the telephone number, or if the telephone number is a local number, omit the area code digit. If the toll services of a service provider other than Telecom are being used then a toll charge may be incurred if the "0" prefix toll access code and area code are used.

Important Information for Some Countries

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 2-wire grounding type plug or a 3-wire grounding type plug (Only for Singapore, Malaysia, Hong Kong and India), a plug having two or 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.

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- Passports
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- Immigration Papers
- Welfare documents
- Cheques or Drafts drawn by Governmental Agencies
- Identification Documents, badges or insignias

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B 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.
	Check to see if the LCD is showing an error message. (See *Error and Maintenance messages* on page 153.)
	If the LCD says `Cannot Print` and `Replace Ink`, see *Replacing the ink cartridges* on page 166.
	Check that the correct printer driver has been installed and chosen.
	Make sure that the machine is online. Click **Start** and then **Printers and Faxes**. Choose **Brother MFC-XXXX** (where XXXX is your model name), and make sure that **Use Printer Offline** is unchecked.
	When you choose the **Print Odd Pages** and **Print Even Pages** 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 172.)
	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® or *Printing and Faxing* for Macintosh® in the Software User's Guide on the CD-ROM and *Paper Size and Type (MFC-6490CW only)* on page 27.)
	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.
	Make sure that you are using Brother Original Innobella™ ink.
	Try using the recommended types of paper. (See *Acceptable paper and other print media* on page 18.)
	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 172.)
	Make sure that you are using Brother Original Innobella™ ink.
	Try using the recommended types of paper. (See *Acceptable paper and other print media* on page 18.)
The machine prints blank pages.	Clean the print head. (See *Cleaning the print head* on page 172.)
	Make sure that you are using Brother Original Innobella™ ink.
Characters and lines are stacked.	Check the printing alignment. (See *Checking the print alignment* on page 174.)
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 *Loading paper and other print media* on page 9.)
	(MFC-6490CW) Make sure the Outer Rear Cover and Inner Rear Cover are closed correctly.
	(MFC-5890CN) 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 *Acceptable paper and other print media* on page 18.)
Smudged stain on the data.	If you are using A3 size paper, try using the A3 Secure Feed setting. (See *Secure Paper Feed mode for A3 size Short Grain Paper* on page 29.)
	If you are printing from a computer, change the paper size to **A3 (Long Grain)** in the driver. (See *Printing* for Windows® or *Printing and Faxing* for Macintosh® in the Software User's Guide on the CD-ROM.)
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 **Print Odd Pages** and **Print Even Pages** settings.
Printing appears dirty or ink seems to run.	Make sure you are using the recommended types of paper. (See *Acceptable paper and other print media* on page 18.) Don't handle the paper until the ink is dry.
	Make sure that 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 **Media Type** in the **Basic** tab of the printer driver.
Stains appear on the reverse side 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 171.)
	Make sure that you are using Brother Original Innobella™ ink.
	Make sure you are using the paper support flap. (See *Loading paper and other print media* 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 **Colour Settings**, and uncheck **Bi-Directional Printing** for Windows® or **Bi-Directional Printing** for Macintosh®.
	Make sure that 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.

Printing (continued)

Difficulty	Suggestions
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 **Advanced** tab. Also, click **Colour Settings**, and make sure you uncheck **Colour Enhancement**.
	Turn the borderless feature off. Borderless printing is slower than normal printing. (See *Printing* for Windows® or *Printing and Faxing* for Macintosh® in the Software User's Guide on the CD-ROM.)
Colour Enhancement is not working correctly.	If the image data is not full colour in your application (such as 256 colour), Colour Enhancement will not work. Use at least 24 bit colour data with the Colour Enhancement feature.
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 171.)
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.)
Machine does not print from Adobe Illustrator.	Try to reduce the print resolution. (See *Printing* for Windows® or *Printing and Faxing* for Macintosh® in the Software User's Guide on the CD-ROM.)

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 colour fax prints only in black and white.	Replace the colour ink cartridges that are empty or nearly empty, and then ask the other person to send the colour fax again. (See *Replacing the ink cartridges* on page 166.)
	Check that Setup Receive is set to Colour(Max.A4). (See *Setting Receiving Priority* on page 53.)
Left and Right margins are cut off or a single page is printed on two pages.	Turn on Auto Reduction. (See *Printing a reduced incoming fax* on page 52.)

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.
	(Not available in New Zealand) 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 **Mono Start** or **Colour Start**.
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 49.) 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 *Receive mode settings* on page 51.)
	If you often have interference on the telephone line, try changing the menu setting of Compatibility to `Basic(for VoIP)`. (See *Telephone line interference* on page 152.)

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 40.)
	Ask the other party to check that the receiving machine has paper.
	Print the Transmission Verification Report and check for an error. (See *Reports* on page 86.)
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 *Turning off Memory Receive Operations* on page 57), print fax messages in memory (see *Memory Receive (Monochrome only)* on page 54) or cancel a Delayed Fax or Polling Job (see *Cancelling a fax in progress* on page 42 or *Checking and cancelling waiting jobs* on page 47). 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 152.)
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 *Cleaning the scanner glass* on page 170.)
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 *Cleaning the scanner glass* on page 170.)

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 **Stop/Exit**. Try avoiding this problem by turning Fax Detect to off. (See *Fax Detect* on page 52.)
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 (* 9 1 for New Zealand)). When your machine answers, hang up.
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 92.)
Poor copy results when using the ADF.	Try using the scanner glass. (See *Using the scanner glass* on page 23.)
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 *Cleaning the scanner glass* on page 170.)
Fit to Page does not work properly.	Make sure your source document is not skewed. Reposition the document and try again.

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 PaperPort™ 11SE with OCR, click **File**, **Scan or Get Photo** and click **Select** to choose the Brother TWAIN/WIA driver.
	(Hong Kong users only)
	Make sure the Brother TWAIN/WIA driver is chosen as the primary source. In Presto!® PageManager® with OCR, click **File**, **Select Source** and choose the Brother TWAIN/WIA driver.
Poor scanning results when using the ADF.	Try using the scanner glass. (See *Using the scanner glass* on page 23.)
OCR does not work.	Try increasing the scanner resolution.

Software Difficulties

Difficulty	Suggestions
Cannot install software or print.	Run the **Repair MFL-Pro Suite** 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 correctly.	1 Have you installed the Windows® 2000 update? If not, do the following:
	
	  1) Unplug the USB cable.
	
	  2) Install the Windows® 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.
	
	  3) Wait about 1 minute after you restart the PC, and then connect the USB cable.
	
	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®, 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 *Borderless printing* on page 117, and *Cropping* on page 117.)

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 *Reports* on page 86.) 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. The network PC-Fax Receive feature does not work.	(For Windows® 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. For Windows® XP SP2 and Windows Vista® users, see *Firewall settings* in the Software User's Guide on the CD-ROM. For Windows® XP SP1 users, please visit the Brother Solutions Center. (http://solutions.brother.com)
Your computer cannot find your machine.	<Windows® users> Firewall settings on you PC may be rejecting the necessary network connection. For detail, see the instruction above. <Macintosh® users> 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**.

2. Press ▲ or ▼ to choose Initial Setup. Press **OK**.

3. Press ▲ 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**.

2. Press ▲ or ▼ to choose Fax. Press **OK**.

3. Press ▲ 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.

   ■ High increases the modem speed to 33600 bps. (factory setting)

   Press **OK**.

6. Press **Stop/Exit**.

Note

When you change the compatibility to Basic(for VoIP), the ECM feature is only available for colour 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 http://solutions.brother.com.

Error Message	Cause	Action
`B&W Print Only`	One or more of the colour ink cartridges is empty. While this message appears on the LCD, each operation works in the following way: ■ Printing If you click **Greyscale** 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` or `Inkjet Paper` the machine will receive and print the faxes in monochrome. If a sending machine has a colour 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.	Replace the empty ink cartridges. (See *Replacing the ink cartridges* on page 166.)

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 166.)
Cannot Print	One or more of the ink cartridges are empty. The machine will stop all print operations. While memory is available, black and white faxes will be stored in the memory. If a sending machine has a colour 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 166.)
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 **Stop/Exit**. 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 fed correctly, or the document scanned from the ADF was too long.	See *Using the ADF* on page 22. See *Document jam* on page 160.
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 colour fax to send, your machine's 'handshake' will ask that the fax be sent as black and white. If the sending machine has the ability to convert it, the colour fax will be printed at your machine as a black and white fax.	Order a new ink cartridge. You can continue printing until the LCD shows Cannot Print. (See *Replacing the ink cartridges* on page 166.)
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* on page 67.) (See *Caller ID* on page 69.) (See *Caller ID (For Singapore and Hong Kong)* on page 71.)
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 166.)
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 or paper is not properly loaded in the paper tray.	Do one of the following: ■ Refill the paper in the paper tray, and then press **Mono Start** or **Colour Start**. ■ Remove the paper and load it again and then press **Mono Start** or **Colour Start**.
	The paper is jammed in the machine.	Remove the jammed paper by following the steps in *Printer jam or paper jam (MFC-5890CN only)* on page 161 or *Printer jam or paper jam (MFC-6490CW only)* on page 163.
	The jam clear cover (MFC-5890CN) or the outer rear cover or inner rear cover (MFC-6490CW) may not be closed properly.	(MFC-5890CN) Open the jam clear cover and then close it. Make sure the jam clear cover is closed properly. (MFC-6490CW) Open the outer rear cover and inner rear cover. Then close the inner rear cover and outer rear cover. Make sure they are closed properly.
`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 One Touch or Speed Dial number that is not programmed.	Set up the One Touch or Speed Dial number. (See *Storing Speed Dial numbers* on page 79.)
`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 *Memory Receive (Monochrome only)* on page 54.) ■ Print the faxes that are in the memory. (See *Printing a fax from the memory* on page 54.)
	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.

B

Error Message	Cause	Action
Paper Jam	Paper is jammed in the machine.	(MFC-6490CW) Open the Outer Rear Cover and Inner Rear Cover (at the back of the machine) and remove the jammed paper. (See *Printer jam or paper jam (MFC-6490CW only)* on page 163.)
		(MFC-5890CN) Open the Jam Clear Cover (at the back of the machine) and remove the jammed paper. (See *Printer jam or paper jam (MFC-5890CN only)* on page 161.)
		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.
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, disconnect the machine from the power for several minutes, then reconnect it. (The machine can be turned off for approximately 24 hours without losing faxes stored in the memory. See *Transferring your faxes or Fax Journal report* on page 159.)
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, disconnect the machine from the power for several minutes, then reconnect it. (The machine can be turned off for approximately 24 hours without losing faxes stored in the memory. See *Transferring your faxes or Fax Journal report* on page 159.)
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, disconnect the machine from the power for several minutes, then reconnect it. (The machine can be turned off for approximately 24 hours without losing faxes stored in the memory. See *Transferring your faxes or Fax Journal report* on page 159.)

Error Message	Cause	Action
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, disconnect the machine from the power for several minutes, then reconnect it. (The machine can be turned off for approximately 24 hours without losing faxes stored in the memory. See *Transferring your faxes or Fax Journal report* on page 159.)
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 **Power Save** to turn the machine off and then on again.
Unusable Device Please Disconnect USB Device.	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 http://solutions.brother.com.)	Unplug the device from the USB direct interface.
Wrong Paper Size	Paper is not the correct size.	(MFC-5890CN) Check that the machine's Paper Size setting matches the size of paper in the tray. (See *Paper Size* on page 27.) (MFC-6490CW) Make sure the machine's Paper Size setting matches the size of paper in the tray. (See *Paper Size and Type (MFC-6490CW only)* on page 27.) Also, check that the machine is set to use the tray with the paper size you want. (See *Tray use in Copy mode (MFC-6490CW only)* on page 28 and *Tray use in Fax mode (MFC-6490CW only)* on page 28.)

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 back. If you do not press a key after 1 minute the animation starts running automatically again.

Note

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 159 or *Transferring faxes to your PC* on page 159.)

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 160.)

Note

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.)

a Press **Stop/Exit** to interrupt the error temporarily.

b Press **Menu**.

c Press ▲ or ▼ to choose Service. Press **OK**.

d Press ▲ or ▼ to choose Data Transfer. Press **OK**.

e Press ▲ or ▼ to choose Fax Transfer. Press **OK**.

f 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.

g Press **Mono Start**.

Transferring faxes to your PC

You can transfer the faxes from your machine's memory to your PC.

a Press **Stop/Exit** to interrupt the error temporarily.

b 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.)

B

c Make sure you have set PC Fax Receive on the machine. (See *PC Fax Receive* on page 56.)
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.

d 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**.

e 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.)

a Press **Stop/Exit** to interrupt the error temporarily.

b Press **Menu**.

c Press ▲ or ▼ to choose Service.
Press **OK**.

d Press ▲ or ▼ to choose Data Transfer.
Press **OK**.

e Press ▲ or ▼ to choose Report Trans.
Press **OK**.

f Enter the fax number to which Fax Journal report will be forwarded.

g 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

a Take out any paper from the ADF that is not jammed.

b Open the ADF cover.

c Pull the jammed document out to the right.
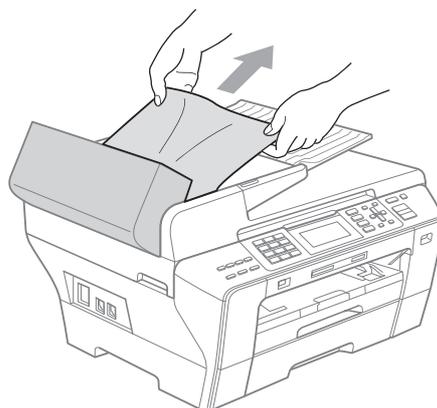
d Close the ADF cover.

e Press **Stop/Exit**.

Note

To avoid document jams close the ADF cover correctly by pushing it gently in the middle.

Document is jammed inside the ADF unit

a Take out any paper from the ADF that is not jammed.

b Lift the document cover.

c Pull the jammed document out to the right.
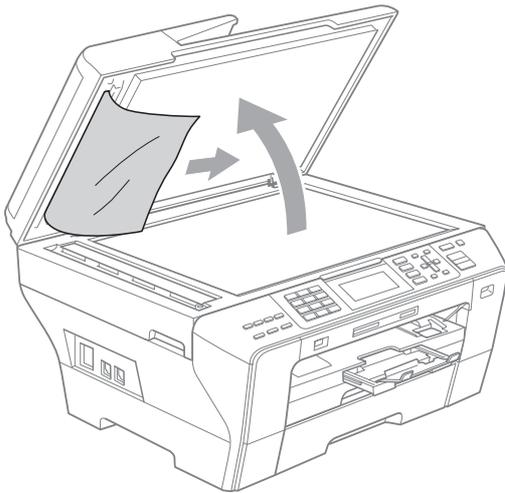

d Close the document cover.

e Press **Stop/Exit**.

Printer jam or paper jam (MFC-5890CN only)

B

Take out the jammed paper depending on where it is jammed in the machine. Open and close the scanner cover to clear the error.

a Pull the paper tray (1) out of the machine.

b Pull out the jammed paper (1) and press **Stop/Exit**.
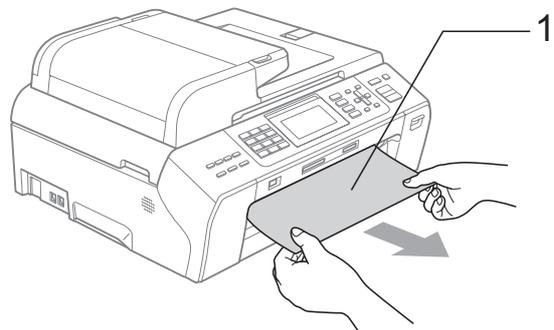
c Reset the machine by lifting the scanner cover from the front of the machine and then close it.

■ If you cannot remove the jammed paper from the front side, or the error message still appears on the LCD after you remove the jammed paper, please go to the next step.

d Open the Jam Clear Cover (1) from the back of the machine. Pull the jammed paper out of the machine.
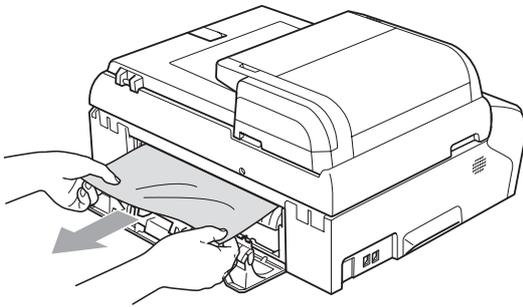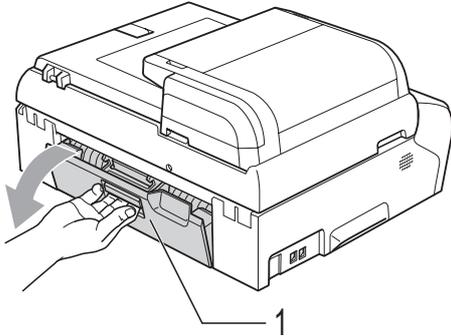
e Close the Jam Clear Cover back on. Make sure the cover is set properly.
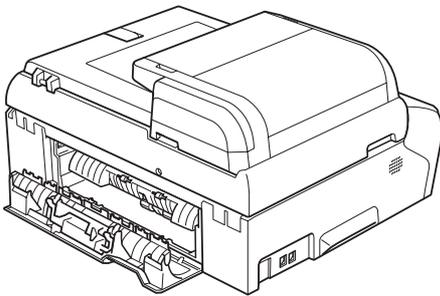
f Using both hands, use the finger holds on both sides of the machine to lift the scanner cover (1) until it locks securely in the open position. Make sure that there is no jammed paper left inside the machine under the plastic covers. Check both ends of the print carriage.
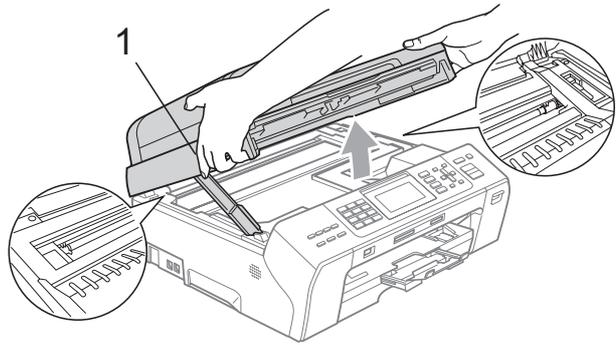
Note

- 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. Hold down **Stop/Exit** until the print head moves to the middle. Then unplug the machine from the power source, and take out the paper.
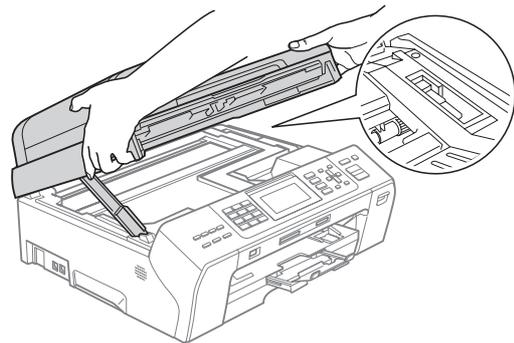
- If ink gets onto your skin, immediately wash with soap and plenty of water.

g Lift the scanner cover to release the lock (1). Gently push the scanner cover support down (2) and close the scanner cover (3).
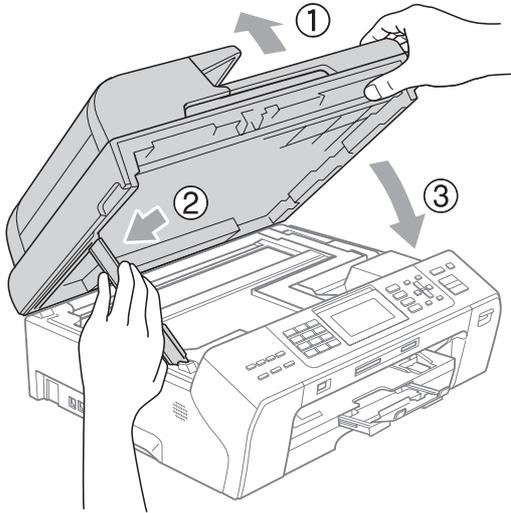
h Push the paper tray firmly back into the machine.
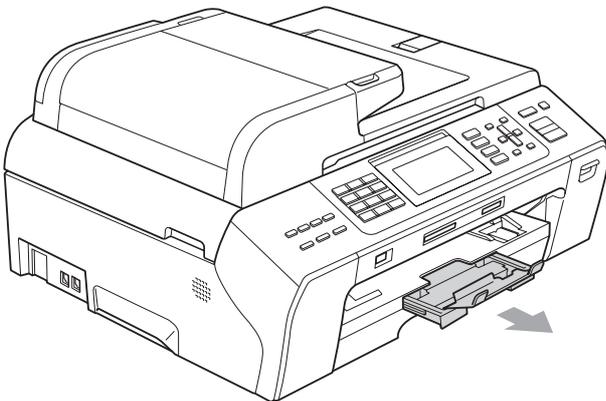
Note

Make sure you pull out the paper support until it clicks.

Printer jam or paper jam (MFC-6490CW only)

Take out the jammed paper depending on where it is jammed in the machine. Open and close the scanner cover to clear the error.

a Pull the paper tray (1) out of the machine.
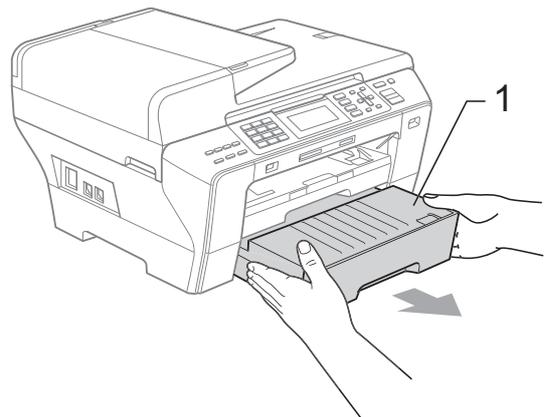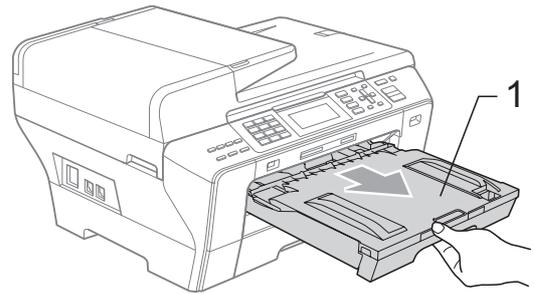
b Pull out the jammed paper (1) and press **Stop/Exit**.
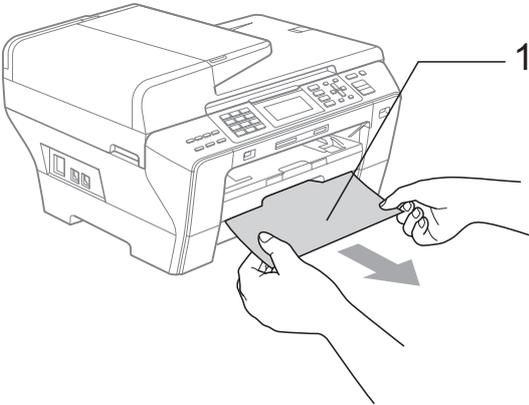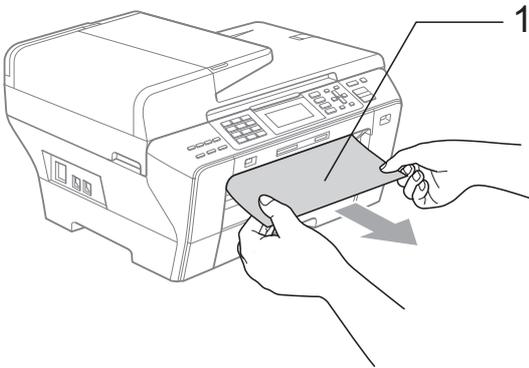
c Reset the machine by lifting the scanner cover from the front of the machine and then close it.

- If you cannot remove the jammed paper from the front side, or the error message still appears on the LCD after you remove the jammed paper, please go to the next step.

d Open the Outer Rear Cover (1) from the back of the machine. Pull the jammed paper out of the machine.
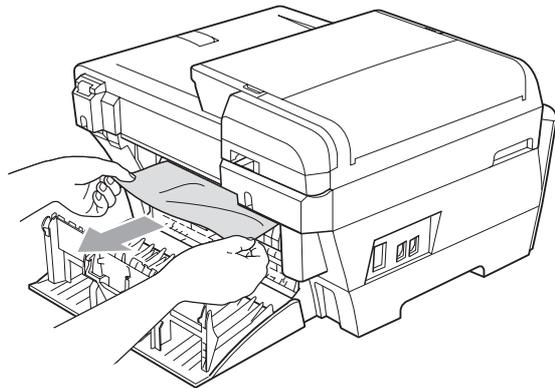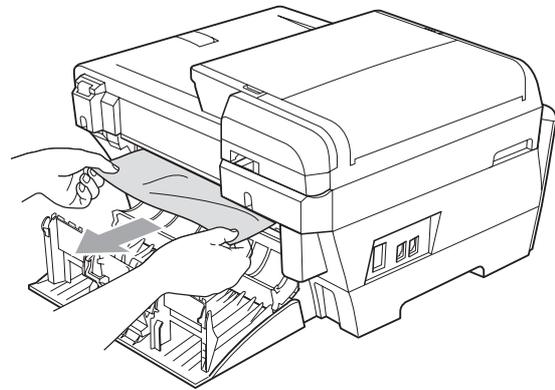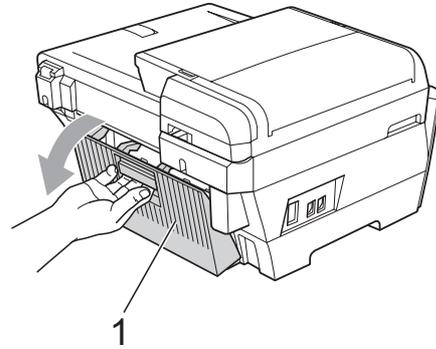
⑤ Close the Inner Rear Cover (1) if it is open like the illustration below.

1
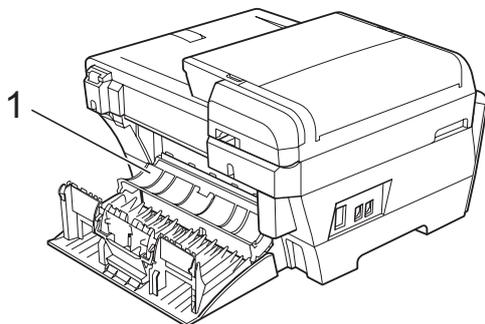
⑥ Close the Outer Rear Cover.
Make sure the cover is closed correctly.
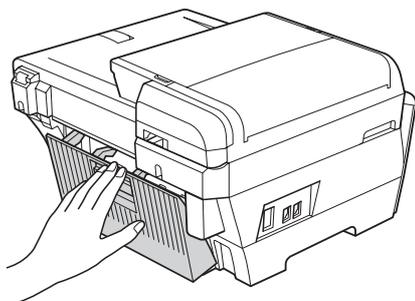
⑦ Using both hands, use the finger holds on both sides of the machine to lift the scanner cover (1) into the open position. Make sure that there is no jammed paper left in the corners of the machine.
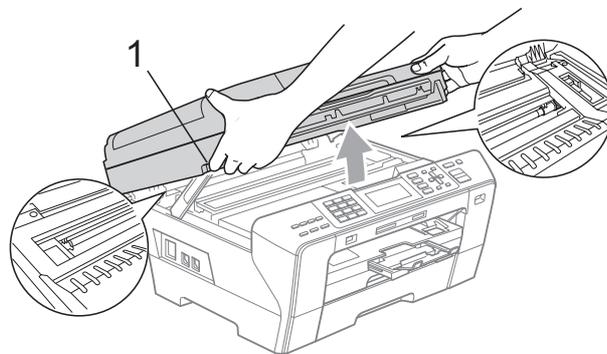
1

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. Hold down **Stop/Exit** until the print head moves to the middle. Then unplug the machine from the power source, and take out the paper.
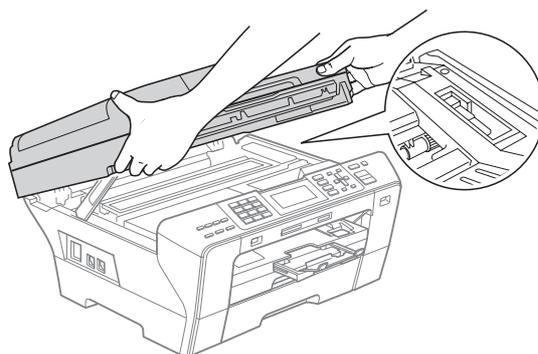
• If ink gets onto your skin, immediately wash with soap and plenty of water.

h Gently close the scanner cover (1) using the finger holds on both sides of it.
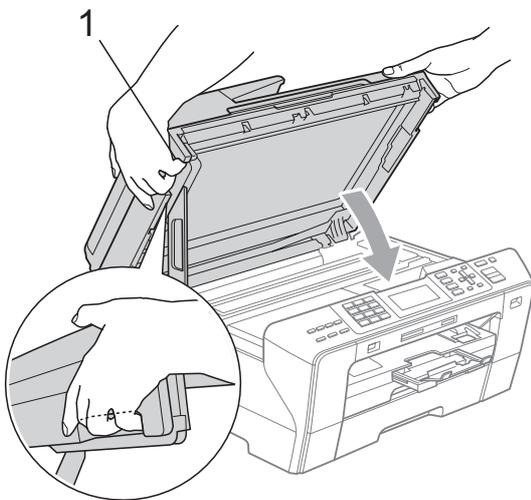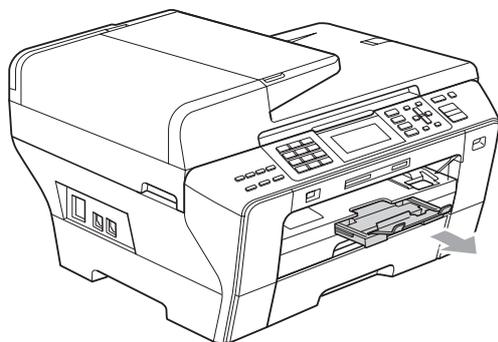

WARNING

Be careful not to trap your fingers under the scanner cover.
Always use the finger holds provided on both sides of the scanner cover when opening and closing it.

i Push paper tray #1 and paper tray #2 firmly back into the machine.

Note

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.

Note

For example, when one of the ink cartridge is nearly empty, the LCD will display Ink low (name of colour).

You should purchase a replacement cartridge in preparation for when the machine indicates the colour 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.

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 other brands of ink or ink cartridges, any repairs required as a result may not be covered by the warranty.
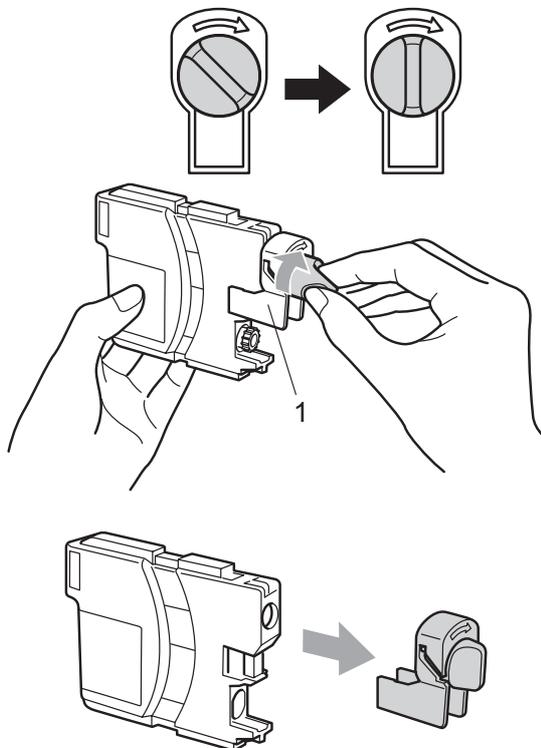
1 Open the ink cartridge cover.
If one or more ink cartridges are empty, for example Black, the LCD shows Cannot Print.

2 Press the lock release lever as shown to release the ink cartridge indicated on the LCD. Remove the cartridge from the machine.
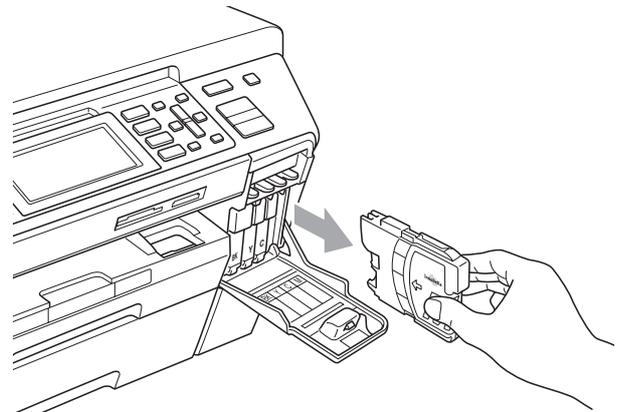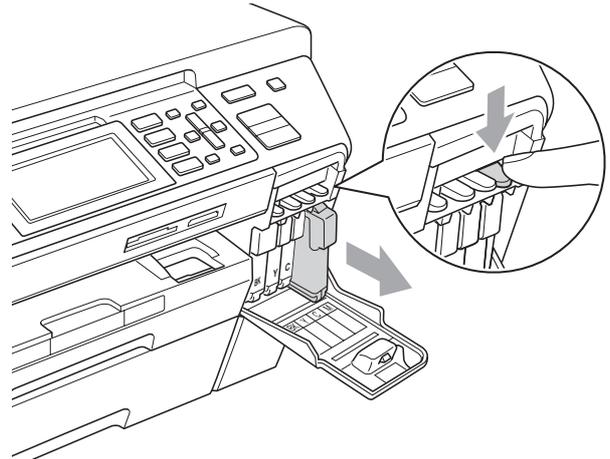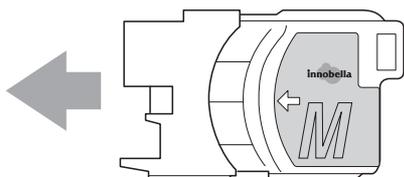

**3** Open the new ink cartridge bag for the colour shown on the LCD, and then take out the ink cartridge.

d Turn the green knob on the protective yellow cap clockwise until it clicks to release the vacuum seal, then remove the cap (1).

e Each colour has its own correct position. Insert the ink cartridge in the direction of the arrow on the label.

f Gently push the ink cartridge until it clicks, and then close the ink cartridge cover.
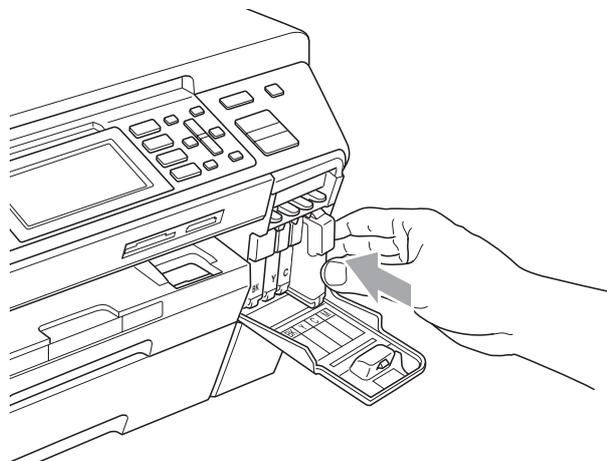
g The machine will automatically reset the ink dot counter.

Note

- 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 colour. 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.

⚠ WARNING

If ink gets in your eyes, wash them out with water at once and call a doctor if you are concerned.

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 colours 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.

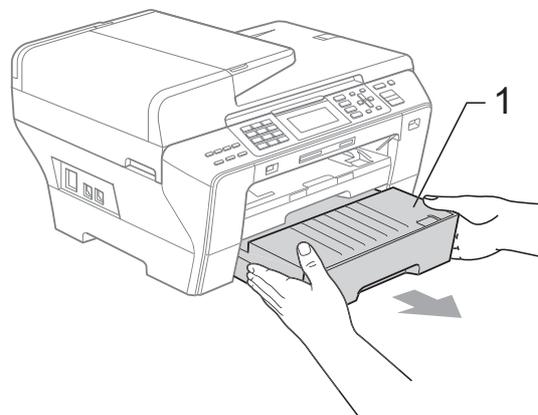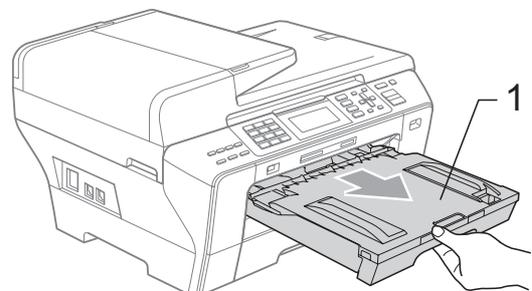# Cleaning the outside of the machine

CAUTION

Use neutral detergents. Cleaning with volatile liquids such as thinner or benzine will damage the outside surface of the machine.
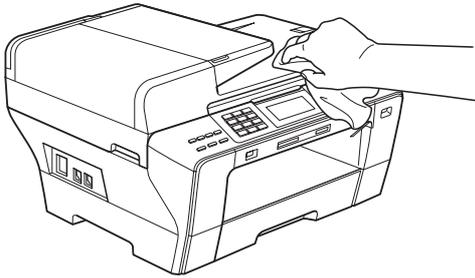
DO NOT use cleaning materials that contain ammonia.

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:
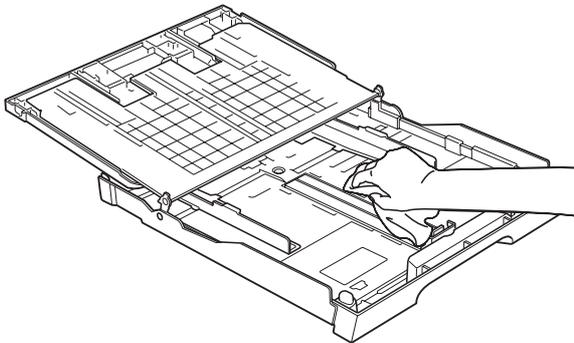
a Pull the paper trays (1) completely out of the machine.

b Wipe the outside of the machine with a soft cloth to remove dust.
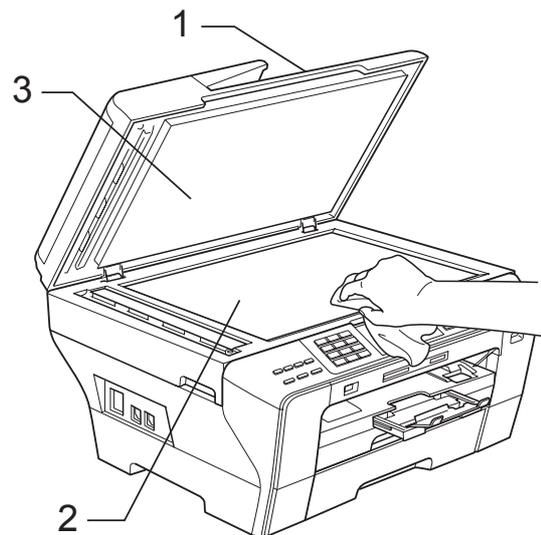

c Remove anything that is stuck inside the paper tray.

d Wipe the paper trays with a soft cloth to remove dust.

e Put the paper trays firmly back in the machine.

Cleaning the scanner glass

a 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.

b 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.
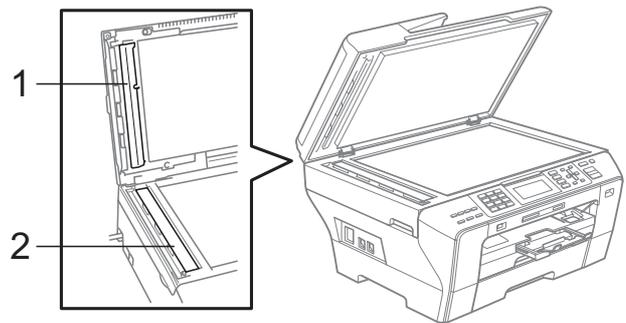
Note

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 attempt.

Cleaning the machine printer platen

1. Using both hands, use the finger holds on both sides of the machine to 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.
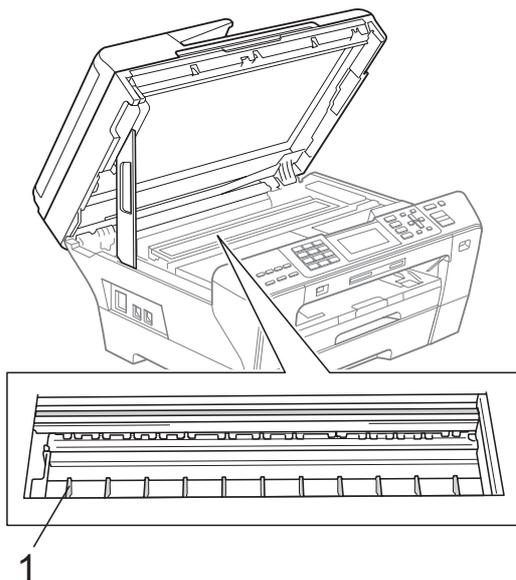
Cleaning the paper pick-up roller

1. Pull the paper trays completely out of the machine.

2. (MFC-5890CN)
   Unplug the machine from the electrical socket and open the Jam Clear Cover (1) at the back of the machine.
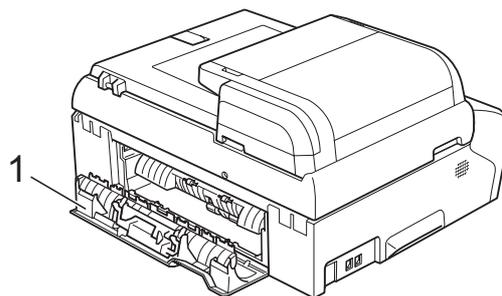
   (MFC-6490CW)
   Unplug the machine from the electrical socket and open the Outer Rear Cover (1) and Inner Rear Cover (2) from the back of the machine.

③ Clean the Paper Pick-up Roller (1) with isopropyl alcohol on a cotton swab.

④ (MFC-5890CN)
Close the Jam Clear Cover properly.

(MFC-6490CW)
Close the Inner Rear Cover and the Outer Rear Cover.
Make sure the cover is closed correctly.

⑤ Put the paper trays firmly back in the machine.

⑥ Re-connect the power cord.

Cleaning the print head

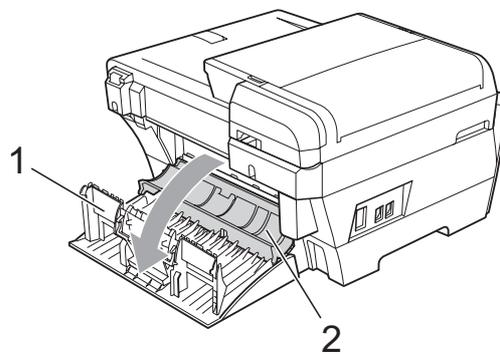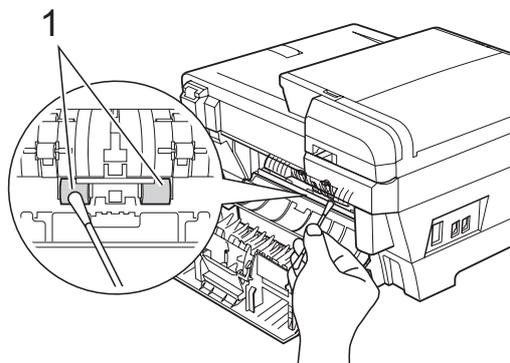To maintain print quality, the machine will automatically clean the print head. You can start the cleaning process manually if there is a print quality problem.

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 colours at a time (Cyan/Yellow/Magenta), or all four colours at once.

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

⚠ CAUTION

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

① Press **Ink Management**.

② Press ▲ or ▼ to choose Cleaning.
Press **OK**.

③ Press ▲ or ▼ 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.

✎ Note

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 colour. 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 colours 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**.

② Press ▲ or ▼ to choose Test Print.
Press **OK**.

③ Press ▲ or ▼ to choose Print Quality.
Press **OK**.

④ Press **Colour Start**.
The machine begins printing the Print Quality Check Sheet.

⑤ Check the quality of the four colour blocks on the sheet.

f The LCD asks you if the print quality is OK.

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 **j**.

■ If you can see missing short lines as shown below, press **2** to choose No.

\<Black\>

OK Poor

\<Colour\>
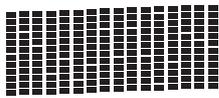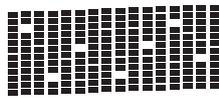
OK Poor
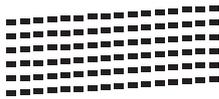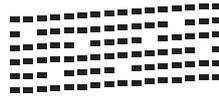
g The LCD asks you if the print quality is OK for black and three colours.
Press **1** (Yes) or **2** (No).

h The LCD asks you if you want to start cleaning.
Press **1** (Yes).
The machine starts cleaning the print head.

i After cleaning is finished, press **Colour Start**.
The machine starts printing the Print Quality Check Sheet again and then return to step **e**.

j 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 colour.
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.

⚠ CAUTION

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

📝 Note

→

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.

a Press **Ink Management**.

b Press ▲ or ▼ to choose `Test Print`. Press **OK**.

c Press ▲ or ▼ to choose `Alignment`. Press **OK**.

d Press **Mono Start** or **Colour Start**. The machine starts printing the Alignment Check Sheet.

e Check the 600 dpi and 1200 dpi test prints to see if number 5 most closely matches number 0.

f 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 i.

■ If another test print number is a better match for either 600 dpi or 1200 dpi, press **2** (`No`) to choose it.

g For 600 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).

h For 1200 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).

i 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.

a Press **Ink Management**.

b Press ▲ or ▼ to choose `Ink Volume`. Press **OK**. The LCD shows the ink volume.

c Press **Stop/Exit**.

Note

You can check the ink volume from your computer. (See *Printing* for Windows® or *Printing and Faxing* for Macintosh® 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**.

2. Press ▲ or ▼ to choose Machine Info.
   Press **OK**.

3. Press ▲ 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.

> ⚠️ **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.

2. Press the lock release lever to release the ink cartridge and take out all the ink cartridges. (See *Replacing the ink cartridges* on page 166.)

3. Install the green protective part and then close the ink cartridge cover.

B
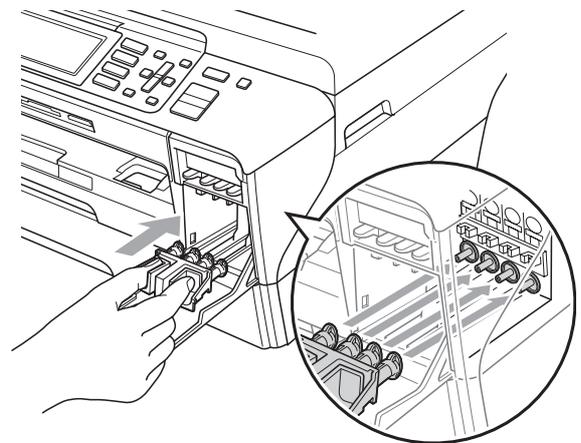
Make sure that the plastic tabs on both sides of the green protective part (1) have securely clicked into place (2).
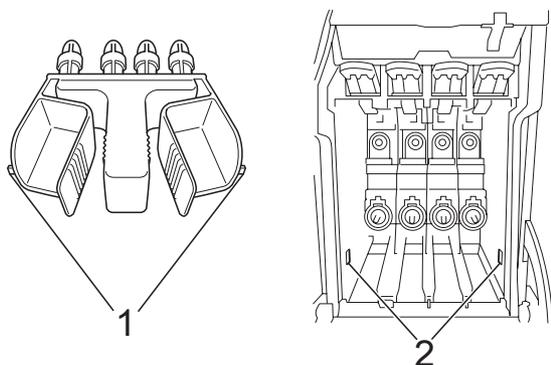
If you are not able to find the green protective part, DO NOT remove the ink cartridges before shipping. It is essential that the machine be shipped with either the green protective part or the ink cartridges in position. Shipping without them will cause damage to your machine and may void your warranty. When travelling with the ink cartridges still in the machine please keep the machine upright as this will protect the machine from leakage.

d Unplug the machine from the telephone wall socket and take the telephone line cord out of the machine.

e Unplug the machine from the electrical socket and from the machine.

f (MFC-5890CN)
Using both hands, use the finger holds 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.

(MFC-6490CW)
Using both hands, use the finger holds on both sides of the machine to lift the scanner cover into the open position. Then unplug the interface cable from the machine, if it is connected.

g (MFC-5890CN)
Lift the scanner cover (1) to release the lock. Gently push the scanner cover support down (2) and close the scanner cover (3).
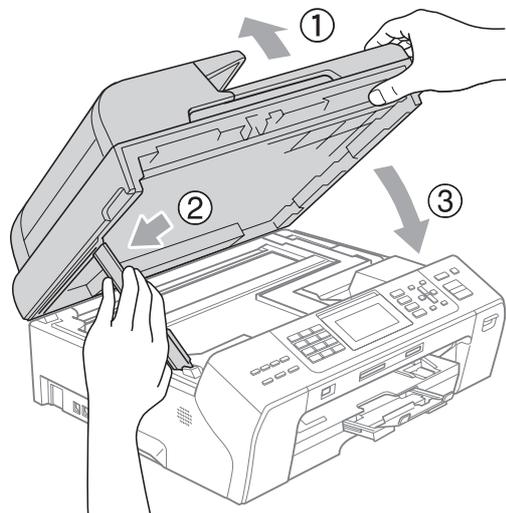
(MFC-6490CW)
Gently close the scanner cover using the finger holds on both sides of it as you push down on the Scanner Cover Support (1).
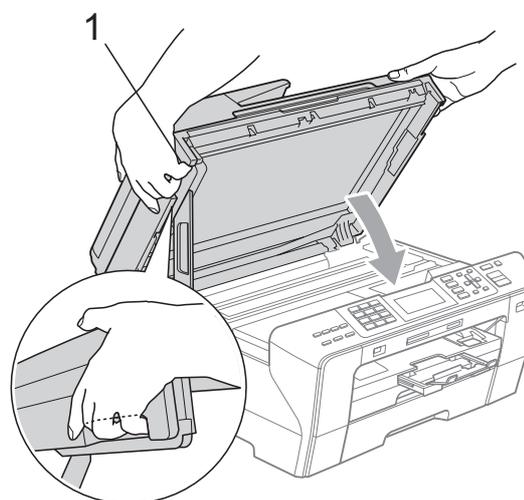
Be careful not to trap your fingers under the scanner cover.
Always use the finger holds provided on both sides of the scanner cover when opening and closing it.

8 Wrap the machine in the bag.
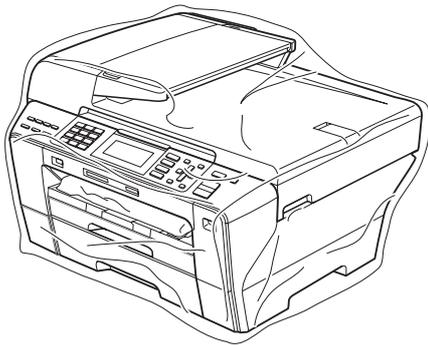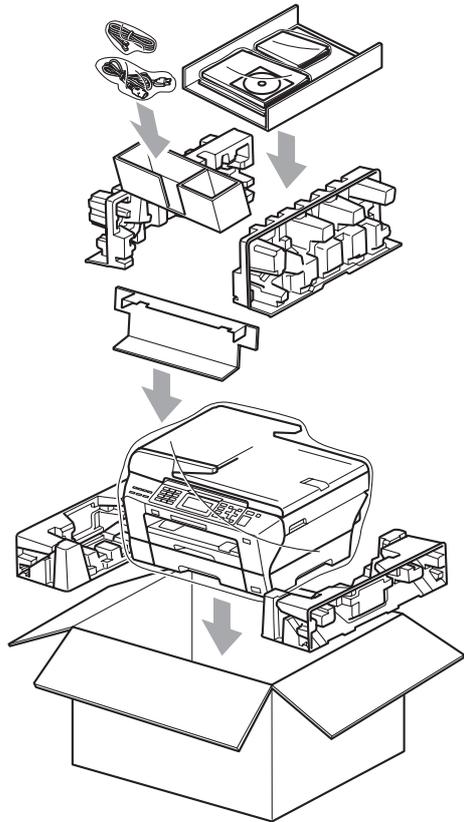
9 Pack the machine and the printed materials in the original carton with the original packing material as shown below. Do not pack the used ink cartridges in the carton.

(MFC-5890CN)

(MFC-6490CW)
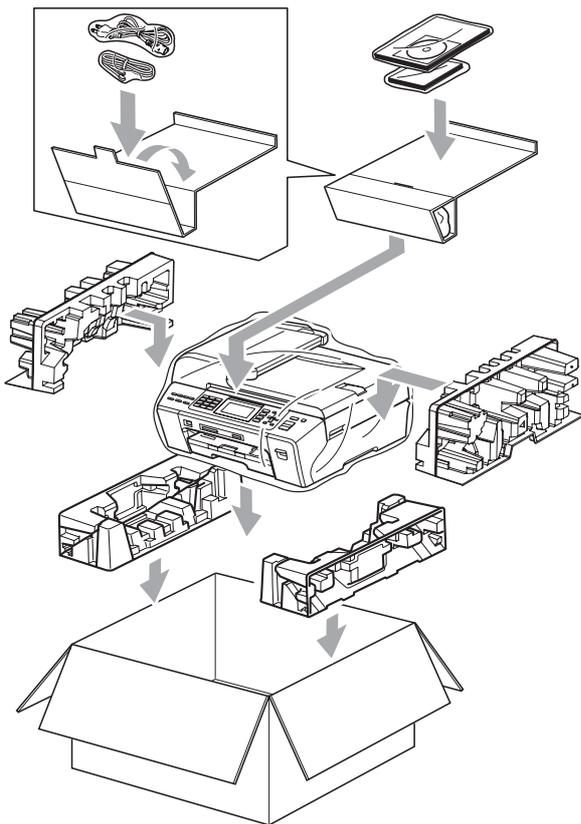
10 Close the carton and tape it shut.

B

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 179. 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.

Note

During a power failure the machine will retain messages that are in the memory for approximately 24 hours.

Mode and menu keys

Menu	Access the main menu.
Fax / **Scan** / **Copy** / **Photo Capture**	Press to access the temporary settings for each mode.
▲ ▼	Scroll through the current menu level.
◄	Go back to the previous menu level.
►	Go to the next menu level.
OK	■ Go to the next menu level. ■ Accept an option.
Clear / Back	■ Cancel the current operation. ■ Go back to the previous menu level.
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.

Menu ( )

Level1	Level2	Level3	Options	Descriptions	Page
General Setup	**Mode Timer**	—	Off 0Sec 30Secs 1Min **2Mins*** 5Mins	Sets the time to return to Fax mode.	26
	Paper Type (MFC-5890CN)	—	**Plain Paper*** Inkjet Paper Brother BP71 Other Glossy Transparency	Sets the type of paper in the paper tray.	26
	Paper Size (MFC-5890CN)	—	**A4*** A5 A3 10x15cm Letter Legal Ledger	Sets the size of the paper in the paper tray.	27
	The factory settings are shown in Bold with an asterisk.				

Level1	Level2	Level3	Options	Descriptions	Page
General Setup (Continued)	**Tray Setting** (MFC-6490CW)	**Tray#1**	**Paper Type** (Options) **Plain Paper*** Inkjet Paper Brother BP71 Other Glossy Transparency	Sets the size and type of paper in paper tray #1.	27
			Paper Size (Options) **A4*** A5 A3 10x15cm Letter Legal Ledger		27
		Tray#2	**Paper Type** (Option) **Plain Paper**	Sets the size of the paper in the paper tray #2.	27
			Paper Size (Options) **A4*** A3 Letter Legal Ledger		
✎ The factory settings are shown in Bold with an asterisk.					

Level1	Level2	Level3	Options	Descriptions	Page
General Setup (Continued)	**Tray Setting** (MFC-6490CW) (Continued)	**Tray Use:Copy**	**Tray#1*** Tray#2	Choose the tray that will be used for Copy mode.	28
		Tray Use:Fax	Tray#1 Tray#2 **Auto Select***	Choose the tray that will be used for Fax mode.	28
	Volume	**Ring**	Off Low **Med*** High	Adjusts the ring volume.	29
		Beeper	Off **Low*** Med High	Adjusts the volume level of the beeper.	30
		Speaker	Off Low **Med*** High	Adjusts the speaker volume.	30
	Daylight Save	—	**On*** Off	Changes for Daylight Savings Time manually.	30
	P.Save Setting	—	**Fax Receive:On*** Fax Receive:Off	Customizes the **Power Save** key not to receive faxes in power save mode.	25
	LCD Settings	**LCD Contrast**	Light **Med*** Dark	Adjusts the contrast of the LCD.	31
		Backlight	**Light*** Med Dark	You can adjust the brightness of the LCD backlight.	31
		Dim Timer	Off 10Secs 20Secs **30Secs***	You can set how long the LCD backlight stays on for after the last key press.	32
		Wallpaper	—	You can choose the wallpaper of the LCD.	32
The factory settings are shown in Bold with an asterisk.					

C

Level1	Level2	Level3	Options	Descriptions	Page
General Setup (Continued)	**Sleep Mode**	—	1Min 2Mins 3Mins 5Mins **10Mins*** 30Mins 60Mins	You can choose how long the machine will remain idle before it goes into sleep mode.	31
	A3 - Short Grain	—	On **Off***	Turn on this setting when you use A3 short grain paper.	29
	Function Lock	**Set Password** **Lock Off→On** **Setup User** **Reset All Users**	—	You can restrict selected machine operation for up to 20 restricted users and all other non-authorized Public users.	33
Fax	**Setup Receive**	**Ring Delay**	2 - 10 (**2***) (Example for Australia.)	Sets the number of rings before the machine answers in Fax Only or Fax/Tel mode.	51
		F/T Ring Time	20Secs **30Secs*** 40Secs 70Secs (For New Zealand) 20Secs **30Secs*** 40Secs 55Secs	Sets the pseudo/double-ring time in Fax/Tel mode.	51
		Fax Detect	**On*** Off	Receives fax messages without pressing the **Mono Start** or **Colour Start** key.	52
The factory settings are shown in Bold with an asterisk.					

Level1	Level2	Level3	Options	Descriptions	Page
Fax (Continued)	**Setup Receive** (Continued)	**Remote Codes**	**On*** (∗51, #51) (∗91, #91 for New Zealand) Off	Allows you to answer all calls at an extension or external telephone and use codes to turn the machine on or off. You can personalize these codes.	73
		Mono/Colour	**Mono(Max.A3)*** Colour(Max.A4)	Choose the receive options for incoming faxes.	53
		Auto Reduction	**On*** Off	Cuts the size of incoming faxes.	52
		Memory Receive	**Off*** Fax Forward Fax Storage PC Fax Receive	You can set the machine to either forward fax messages, store incoming faxes in the memory (so 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.	54
	Report Setting	**Transmission** (MFC-5890CN)	On On+Image **Off*** Off+Image	Initial setup for Transmission Verification Report and Fax Journal Report.	85
		Transmission (MFC-6490CW)	On On+Image **Off*** Off+Image Off2 Off2+Image		
		Journal Period	Off **Every 50 Faxes*** Every 6 Hours Every 12 Hours Every 24 Hours Every 2 Days Every 7 Days		86
	Print Document	—	—	Prints incoming faxes stored in the memory.	54
	Remote Access	—	---∗	Set your own code for Remote Retrieval.	60
	📝	The factory settings are shown in Bold with an asterisk.			

Level1	Level2	Level3	Options	Descriptions	Page
Fax (Continued)	**Remaining Jobs**	—	—	Check which jobs are in the memory and lets you cancel chosen jobs.	47
	Miscellaneous	**Compatibility**	**High*** Normal Basic(for VoIP)	Adjusts the modem speed to help resolve transmission problems.	152
		Distinctive (Not available in New Zealand)	On **Off***	Use with phone company distincive ringing service allows you to have a voice number and fax number on the one phone line.	65 70
		Faxability (For New Zealand only)	On **Off***	If you have FaxAbility from Telecom, you can use this function to store the ringing pattern of your fax number. And if you set in to On, you should use the registered number only.	68
		Call Waiting (For New Zealand only)	On **Off***	If you have Call Waiting as well as FaxAbility, set the Call Waiting to On.	69
	The factory settings are shown in Bold with an asterisk.				

Network menu

Level1	Level2	Level3	Level4	Options	Descriptions
Network	Wired LAN	TCP/IP	BOOT Method	Auto* Static RARP BOOTP DHCP	Chooses the BOOT method that best suits your needs.
			IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.
			Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.
			Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.
			Node Name	BRNXXXXXXXXXXXX	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.
			APIPA	On* Off	Automatically allocates the IP address from the link-local address range.
	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 (Continued)	Wired LAN (Continued)	TCP/IP (Continued)	IPv6	On **Off***	Enable or Disable the IPv6 protocol. If you want to use the IPv6 protocol, visit http://solutions.brother.com for more information.
			Ethernet	—	**Auto*** 100B-FD 100B-HD 10B-FD 10B-HD	Chooses the Ethernet link mode.
	WLAN (MFC-6490CW)	TCP/IP	BOOT Method	**Auto*** Static RARP BOOTP DHCP	Chooses the BOOT method that best suits your needs.
			IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.
			Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.
			Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.
			Node Name	BRWXXXXXXXXXXXX	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.
	See *Network User's Guide on the CD-ROM*				
	✎ The factory settings are shown in Bold with an asterisk.				

C

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	**WLAN** (MFC-6490CW) (Continued)	**TCP/IP** (Continued)	**DNS Server**	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.
			APIPA	**On*** Off	Automatically allocates the IP address from the link-local address range.
			IPv6	On **Off***	Sets the IPv6 protocol On.
		Setup Wizard	—	—	You can configure your print server.
		SES/WPS/AOSS	—	—	You can easily configure your wireless network settings using the one-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.
	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 (Continued)	**E-mail/IFAX** (MFC-6490CW) (Available as a download for MFC-5890CN)	**Mail Address**	**Mail Address**	—	Enter the mail address. (Up to 60 characters)
		Setup Server	**SMTP Server**	Name (Up to 30 characters) IP Address [000-255]. [000-255]. [000-255]. [000-255]	Enter the SMTP server address.
			SMTP Port	[00001-65535]	Enter the SMTP port number.
			Auth. for SMTP	None SMTP-AUTH POP bef.SMTP	Selects the Security method for E-mail notification
			POP3 Server	Name (Up to 30 characters) IP Address [000-255]. [000-255]. [000-255]. [000-255]	Enter the POP3 server address.
			POP3 Port	[00001-65535]	Enter the POP3 port number.
			Mailbox Name	—	Enter the mail box name. (Up to 20 characters)
			Mailbox Pwd	—	Enter the password to login to the POP3 server. (Up to 20 characters)
			APOP	On **Off***	Enables or disables APOP.
		Setup Mail RX	**Auto Polling**	**On*** Off	Automatically checks the POP3 server for new messages.
			Poll Frequency	10Min(s)	Sets the interval for checking for new messages on the POP3 server.
			Header	All Subject+From+To **None***	Selects the contents of the mail header to be printed.
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 (Continued)	**E-mail/IFAX** (MFC-6490CW) (Available as a download for MFC-5890CN) (Continued)	**Setup Mail RX** (Continued)	**Del Error Mail**	**On*** Off	Deletes error mails automatically.
			Notification	On MDN **Off***	Receives notification messages.
		Setup Mail TX	**Sender Subject**	—	Displays the subject that is attached to the Internet Fax data.
			Size Limit	On **Off***	Limits the size of E-mail documents.
			Notification	On **Off***	Sends notification messages.
		Setup Relay	**Rly Broadcast**	On **Off***	Relays a document to another fax machine over the internet.
			Relay Domain	—	Registers the Domain name.
			Relay Report	On **Off***	Prints the Relay Broadcast Report.
	Scan to FTP	**Passive Mode**	Off **On***	—	You can set Passive Mode to OFF or ON depending on your FTP server and network firewall configuration.
		Port Number	—	—	You can change the port number used to access the FTP server.
		File Name1	—	—	In addition to the seven preset file names, you can store two user defined file names that can be used for creating an FTP Server Profile.
		File Name2	—	—	
		Setup Profile	**Not Registered**	—	You can setup your FTP Profile.
See *Network User's Guide on the CD-ROM*					
	The factory settings are shown in Bold with an asterisk.				

C

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	Time Zone (MFC-6490CW) (Available as a download for MFC-5890CN)	—	UTC+XX:XX	—	Sets the time zone for your country.
	Network I/F (MFC-6490CW)	—	Wired LAN* WLAN	—	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 ( ) (continued)

Level1	Level2	Level3	Options	Descriptions	Page
Print Reports	**XMIT Verify**	—	—	Prints these lists and reports.	86
	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.	175
Initial Setup	**Receive Mode**	—	**Fax Only*** Fax/Tel External TAD Manual	Choose the receive mode that best suits your needs.	49
	Date&Time	—	—	Puts the date and time on the LCD and in headings of faxes you send.	See *Quick Setup Guide*
	Station ID	—	Fax: Name:	Set your name and fax number to appear on each page you fax.	
	Tone/Pulse (Not Available in New Zealand)	—	**Tone*** Pulse	Choose the dialling mode.	
	Dial Tone	—	Detection **No Detection***	Turns Dial Tone Detection on or off.	152
	Local Language	—	**English*** Spanish	Allows you to change the LCD language for your country.	—
	The factory settings are shown in Bold with an asterisk.				

C

Fax (📠)

Level1	Level2	Level3	Options	Descriptions	Page
Fax Resolution	—	—	**Standard*** Fine S.Fine Photo	Sets the resolution for outgoing faxes.	45
Contrast	—	—	**Auto*** Light Dark	Changes the lightness or darkness of faxes you send.	45
Glass ScanSize (MFC-6490CW)	—	—	**A4*** A3 Letter Legal Ledger	Sets the glass scan size to Fax.	42
Phone Book	**Search**	—	Alphabetical Order Numerical Order	You can dial by pressing only a few keys (and **Start**).	76
	Set One Touch Dial	—	—	Stores One Touch numbers, so you can dial by pressing only a few keys (and **Start**).	77
	Set Speed Dial	—	—	Stores Speed Dial numbers, so you can dial by pressing only a few keys (and **Start**).	79
	Setup Groups	—	—	Sets up a Group number for Broadcasting.	82
Outgoing Call	**Send a fax** **Add To Phone Book** **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.	76
Caller ID hist.	**Send a fax** **Add To Phone Book** **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.	77
Broadcasting	**Add Number** **Phone Book** **Complete**	—	—	You can send the same fax message to more than one fax number.	43
Delayed Fax	—	—	On (00:00) **Off***	Sets the time of day in 24-hour format that the delayed faxes will be sent.	46
📝	The factory settings are shown in Bold with an asterisk.				

Level1	Level2	Level3	Options	Descriptions	Page
Batch TX	—	—	On **Off***	Combines delayed faxes to the same fax number at the same time of day into one transmission.	47
Real Time TX	—	—	On **Off***	You can send a fax without using the memory.	46
Polled TX	—	—	Standard Secure **Off***	Sets up the document on your machine to be retrieved by another fax machine.	89
Polling RX	—	—	Standard Secure Timer **Off***	Sets up your machine to poll another fax machine.	87
Overseas Mode	—	—	On **Off***	If you are having difficulty sending faxes overseas, set this to On.	46
Glass ScanSize (MFC-5890CN)	—	—	**A4*** Letter	Adjust the scan area of the scanner glass to the size of the document.	41
Set New Default	—	—	Yes No	You can save your fax settings.	47
Factory Reset	—	—	Yes No	You can restore all settings to the factory settings.	47
📝	The factory settings are shown in Bold with an asterisk.				

C

Scan ( )

Level1	Option1	Option2	Option3	Descriptions	Page
Scan to E-mail	PC	—	—	You can scan a monochrome or a colour document into your E-mail application.	See *Software User's Guide on the CD-ROM*
	E-mail Server (MFC-6490CW) (Available as a download for MFC-5890CN)	Phone Book	Alphabetical Order / Numerical Order	You can search E-mail addresses you have stored in your machine.	
		Quality	Color 150 dpi* / Color 300 dpi / Color 600 dpi / B/W 200x100 dpi / B/W 200 dpi	Chooses the file format to send the scanned data via E-mail server.	
		File Type	(If you chose colour option in Quality setting) PDF* / JPEG		
			(If you chose Mono option in Quality setting) PDF* / TIFF		
		Glass ScanSize (MFC-6490CW)	A4* / A3 / Letter / Legal / Ledger	Sets the glass scan size to Scan.	
		Set New Default	Yes / No	You can save your scan settings.	
		Factory Reset	Yes / No	You can restore all settings to the factory settings.	
Scan to Image	—	—	—	You can scan a colour picture into your graphics application.	
Scan to OCR	—	—	—	You can have your text document converted to an editable text file.	

The factory settings are shown in Bold with an asterisk.

Level1	Option1	Option2	Option3	Descriptions	Page
Scan to File	—	—	—	You can scan a monochrome or a colour document into your computer.	See *Software User's Guide on the CD-ROM*
Scan to Media (when a memory card or USB Flash memory drive is inserted)	Quality	—	Color 150 dpi* Color 300 dpi Color 600 dpi B/W 200x100 dpi B/W 200 dpi	You can choose the scan resolution, file format and enter a file name for your document.	118
	File Type	—	(If you chose colour option in Quality setting) **PDF*** JPEG (If you chose Mono option in Quality setting) **PDF*** TIFF		
	Glass ScanSize (MFC-6490CW)	—	**A4*** A3 Letter Legal Ledger	Sets the glass scan size to Scan.	120
	File Name	—	—	You can rename the file.	120
	Set New Default	—	Yes No	You can save your scan settings.	120
	Factory Reset	—	Yes No	You can restore all settings to the factory settings.	120
🖉	The factory settings are shown in Bold with an asterisk.				

C

Level1	Option1	Option2	Option3	Descriptions	Page
Scan to FTP	**(Profile Name)**	—	—	Enter the name that you want to use for the profile of the FTP server. This name will be displayed on the LCD screen.	See *Software User's Guide on the CD-ROM*
	Manual	**Quality**	**Color 150 dpi*** Color 300 dpi Color 600 dpi B/W 200x100 dpi B/W 200 dpi	Chooses the file format to send the scanned data via Media.	
		File Type	(If you chose colour option in Quality setting) **PDF*** JPEG		
			(If you chose Mono option in Quality setting) **PDF*** TIFF		
		Glass ScanSize (MFC-6490CW)	**A4*** A3 Letter Legal Ledger	Sets the glass scan size to Scan.	
		File Name	—	You can rename the file.	
		Set New Default	Yes No	You can save your scan settings.	
		Factory Reset	Yes No	You can restore all settings to the factory settings.	
✎ The factory settings are shown in Bold with an asterisk.					

Copy (▤)

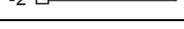| Level1	Level2	Level3	Options	Descriptions	Page
Quality	—	—	Fast **Normal*** Best	Choose the Copy resolution for your type of document.	93
Enlarge/Reduce	**100%***	—	—	—	93
	Enlarge	—	198% 10x15cm→A4 186% 10x15cm→LTR 142% A4→A3, A5→A4	You can choose the enlargement ratio for your type of document.	93
	Reduce	—	97% LTR→A4 93% A4→LTR 83% LGL→A4 69% A3→A4 (MFC-6490CW), A4→A5 47% A4→10x15cm	You can choose the reduction ratio for your type of document.	93
	Fit to Page	—	—	Your machine will adjust the size automatically to the paper size you set.	93
	Custom(25-400%)	—	—	You can choose the enlargement or reduction ratio for your type of document.	93
Tray Select (MFC-6490CW)	—	—	**Tray#1*** Tray#2	Choose the tray that will be used for Copy mode.	97
Paper Type	—	—	**Plain Paper*** Inkjet Paper Brother BP71 Other Glossy Transparency	Choose the paper type that matches the paper in the tray.	97
Paper Size	—	—	**A4*** A5 A3 10x15cm Letter Legal Ledger	Choose the paper size that matches the paper in the tray.	97
✎	The factory settings are shown in Bold with an asterisk.				

C

Level1	Level2	Level3	Options	Descriptions	Page
Brightness	—	—	Light +2 / +1 / 0 / -1 / -2 Dark	Adjusts the brightness of copies.	96
Contrast	—	—	+2 / +1 / 0 / -1 / -2	Adjusts the contrast of copies.	97
Stack/Sort	—	—	**Stack*** Sort	You can choose to stack or sort multiple copies.	96
Page Layout	—	**Off(1 in 1)*** 2 in 1 (P) 2 in 1 (L) 4 in 1 (P) 4 in 1 (L) 1 to 2 (MFC-6490CW) Poster(2 x 2) Poster(3 x 3)	(MFC-6490CW) If you choose A3 or Ledger. (When 2 in 1 is chosen) LGRx2 → LGRx1 LTRx2 → LGRx1 A3x2 → A3x1 A4x2 → A3x1 (When Poster(2x2) is chosen) LGRx1 → LGRx4 LTRx1 → LGRx4 A4x1 → A3x4 A3x1 → A3x4	You can make N in 1, 1 to 2 or Poster copies.	94
Skew Adjustment (MFC-6490CW)	—	—	**Auto*** Off	If your scanned copy is skewed, your machine can correct the data automatically.	98
Book Copy	On	—	—	Corrects dark borders and skew when copying from the scanner glass.	98
	On(Preview)	Skew Adjustment	—		
		Shadow Revise	—		
	Off*	—	—		

The factory settings are shown in Bold with an asterisk.

Level1	Level2	Level3	Options	Descriptions	Page
Watermark Copy	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.	99
	Current Setting	—			
	Exit	—	—		
Set New Default	—	—	Yes No	You can save your copy settings.	100
Factory Reset	—	—	Yes No	You can restore all settings to the factory settings.	100
✎	The factory settings are shown in Bold with an asterisk.				

C

Watermark Copy Settings

Option1	Option2	Option3	Option4	Descriptions	Page
Template	—	**Text**	CONFIDENTIAL* DRAFT COPY	Places a text into your document as a Watermark using a template.	99
		Position	A B C D **E*** F G H I Pattern		
		Size	Small **Medium*** Large		
		Angle	-90° **-45°*** 0° 45° 90°		
		Transparency	-2 -1 **0*** +1 +2		
		Colour	Red Orange Yellow Blue Green Purple **Black***		
		Apply	—		
✎	The factory settings are shown in Bold with an asterisk.				

Option1	Option2	Option3	Option4	Descriptions	Page
Media	(Select image from media.)	**Position**	A B C D **E*** F G H I Pattern	Places a logo or text into your document as a Watermark using an image from removable media.	99
		Size	Small **Medium*** Large		
		Angle	−90° **−45°*** 0° 45° 90°		
		Transparency	−2 −1 **0*** +1 +2		
		Apply	—		
Scan	(Set watermark document and press **Start**.)	**Transparency**	−2 −1 **0*** +1 +2	Places a logo or text into your document as a Watermark using a scanned image.	100
		Apply	—		
	The factory settings are shown in Bold with an asterisk.				

C

Photo Capture ( )

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.	107
Print Index	—	**Layout Format**	**6 Images/Line*** 5 Images/Line	You can print a thumbnail page.	108
		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.	109
Enhance Photos	Auto Correct Enhance Skin-Tone Enhance Scenery Remove Red-Eye Monochrome Sepia	—		You can adjust your photos with these settings.	109
Search by Date	—	—	—	You can search your photos from date.	112
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.	112
Slide Show	—	—	—	The machine starts a Slide Show of your photos.	112
Trimming	—	—	—	You can trim your photo and print a part of the image.	113
✎	The factory settings are shown in Bold with an asterisk.				

Print Settings

Option1	Option2	Option3	Option4	Descriptions	Page
Print Quality (Not available for DPOF printing)	Normal **Photo***	—	—	Choose the print quality.	115
Paper Type	Plain Paper Inkjet Paper Brother BP71 **Other Glossy***	—	—	Choose the paper type.	115
Paper Size	**10x15cm*** 13x18cm A4 A3 Letter Ledger	(When A4 or Letter is chosen) 8 x 10cm 9 x 13cm 10 x 15cm 13 x 18cm 15 x 20cm **Max. Size***	—	Choose the paper and print size.	115
Brightness (Not available when Enhance Photos is chosen)	Light +2 / +1 / 0 / -1 / -2 Dark	—	—	Adjusts the brightness.	116
Contrast (Not available when Enhance Photos is chosen)	+2 / +1 / 0 / -1 / -2	—	—	Adjusts the contrast.	116
Color Enhance (Not available when Enhance Photos is chosen)	On **Off***	White Balance	+2 / +1 / 0 / -1 / -2	Adjusts the hue of the white areas.	116
		Sharpness	+2 / +1 / 0 / -1 / -2	Enhances the detail of the image.	
		Color Density	+2 / +1 / 0 / -1 / -2	Adjusts the total amount of colour in the image.	
	The factory settings are shown in Bold with an asterisk.				
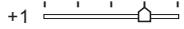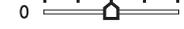
C

Option1	Option2	Option3	Option4	Descriptions	Page
Cropping	On* Off	—	—	Crops the image around the margin to fit the paper size or print size. Turn this feature off if you want to print whole images or prevent unwanted cropping.	117
Borderless	On* Off	—	—	Expands the printable area to fit the edges of the paper.	117
Date Print (Not available for DPOF printing)	On Off*	—	—	Prints the date on your photo.	117
Set New Default	—	—	Yes No	You can save your print settings.	118
Factory Reset	—	—	Yes No	You can restore all the settings to factory settings.	118
📝	The factory settings are shown in Bold with an asterisk.				

Phone Book ( )

Level1	Level2	Level3	Options	Descriptions	Page
Search	—	—	Alphabetical Order Numerical Order	You can dial by pressing only a few keys (and **Start**).	76
Set One Touch Dial	—	—	—	Stores One Touch Dial numbers, so you can dial by pressing only a few keys (and **Start**).	77
Set Speed Dial	—	—	—	Stores Speed Dial numbers, so you can dial by pressing only a few keys (and **Start**).	79
Setup Groups	—	—	—	Sets up a Group number for Broadcasting.	82
	The factory settings are shown in Bold with an asterisk.				

Fax Preview (Fax Preview)

Level1	Level2	Level3	Options	Descriptions	Page
Fax Preview	—	—	On **Off***	You can view received faxes (and faxes to be sent), on the LCD.	58
	The factory settings are shown in Bold with an asterisk.				

C

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 **0**, **#** 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	A	B	C	2
3	D	E	F	3
4	G	H	I	4
5	J	K	L	5
6	M	N	O	6
7	P	Q	R	S
8	T	U	V	8
9	W	X	Y	Z

(MFC-6490CW only)
You can enter the lower case characters to set a E-mail address. Press **Shift**+**3** to change between upper case and lower case.

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 **0**, repeatedly until you see the special character or symbol you want.

Press $*$	for	(space) ! " # $ % & ' ( ) $*$ + , - . / €
Press **#**	for	: ; < = > ? @ [ ] ^ _
Press **0**	for	Ä Ë Ö Ü À Ç È É 0

D

Specifications

General

Printer Type   Inkjet

Print Method   Mono: Piezo with 94 × 2 nozzle

                                      Colour: Piezo with 94 × 3 nozzles

Memory Capacity   64 MB

LCD (liquid crystal display)   Wide 3.3 in. (83.8 mm) Colour LCD

Power Source   AC 220 to 240V 50/60Hz

Power Consumption   (MFC-5890CN)

                                      Power Save Mode: Average 0.8 W

                                      Sleep Mode: Average 4.5 W

                                      Standby: Average 6 W

                                      Operating: Average 27 W

                                      (MFC-6490CW)

                                      Power Save Mode: Average 0.9 W

                                      Sleep Mode: Average 4.5 W

                                      Standby: Average 6 W

                                      Operating: Average 29 W

Dimension   (MFC-5890CN)

242 mm

485 mm

408 mm

460 mm

(MFC-6490CW)

323 mm

540 mm

574 mm

488 mm

543 mm
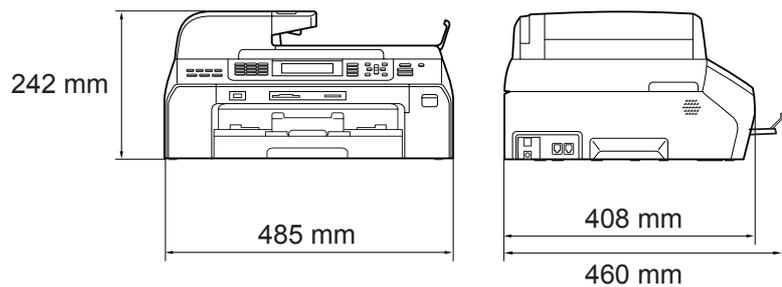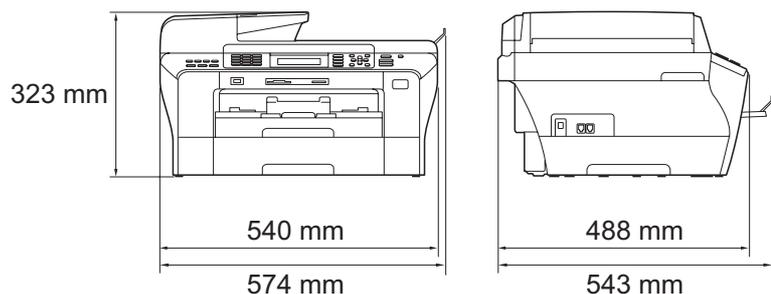
Weight	(MFC-5890CN)	10.9 kg
	(MFC-6490CW)	15.6 kg
Noise	Operating:	50 dB or less [1]
Temperature	Operating:	10 - 35° C
	Best Print Quality:	20 - 33° C
Humidity	Operating:	20 - 80% (without condensation)
	Best Print Quality:	20 - 80% (without condensation)
ADF (automatic document feeder)	Recommended environment for best results:	
	Up to 50 pages	
	Temperature: 20° C - 30° C	
	Humidity: 50% - 70%	
	Paper: 80 gsm	
Paper Tray #1	150 Sheets 80 gsm (MFC-5890CN and MFC-6490CW)	
Paper Tray #2	250 Sheets 80 gsm (MFC-6490CW)	

[1]   This depends on printing conditions.

Print media

Paper Input	**Paper Tray**
	■ Paper type:
	Plain paper, inkjet paper (coated paper), glossy paper [2], transparencies [1][2] and envelopes
	■ Paper size:
	Ledger, A3, Letter, Legal, Executive, A4, A5, A6, JIS B4, JIS B5, envelopes (commercial No.10, DL, C5, Monarch, JE4), Photo 10×15cm, Photo L, Photo 2L, Index card and Post card [3].
	Width: 89 mm - 297 mm
	Length: 127 mm - 431.8 mm
	For more details, see *Paper weight, thickness and capacity* on page 21.
	■ Maximum paper tray capacity: Approx. 150 sheets of 80 gsm plain paper
	Paper Tray #2 (MFC-6490CW only)
	■ Paper type:
	Plain paper
	■ Paper size:
	Ledger, A3, Letter, Legal, A4, JIS B5, JIS B4,EXE
	Width: 182 mm - 297 mm
	Length: 257 mm - 431.8 mm
	For more details, see *Paper weight, thickness and capacity* on page 21.
	■ Maximum paper tray capacity: Approx. 250 sheets of 80 gsm plain paper
Paper Output	Up to 50 sheets of A4 plain paper (face up print delivery to the output paper tray) [2]

[1] Use only transparencies recommended for inkjet printing.

[2] For glossy paper or transparencies, we recommend removing printed pages from the output paper tray immediately after they exit the machine to avoid smudging.

[3] See *Paper type and size for each operation* on page 20.

Fax

Compatibility	ITU-T Super Group 3
Coding System	MH/MR/MMR/JPEG
Modem Speed	Automatic Fallback
	33600 bps
Document Size	(MFC-5890CN)
	ADF Width: 148mm to 215.9 mm
	ADF Length: 148mm to 355.6 mm
	Scanner Glass Width: Max. 215.9 mm
	Scanner Glass Length: Max. 297 mm
	(MFC-6490CW)
	ADF Width: 148 mm to 297 mm
	ADF Length: 148 mm to 431.8 mm
	Scanner Glass Width: Max. 297 mm
	Scanner Glass Length: Max. 431.8 mm
Scanning Width	(MFC-5890CN)
	208 mm (Letter paper)
	204 mm (A4 paper)
	(MFC-6490CW)
	288 mm
Printing Width	291 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 (Colour)
	Fine
	7.7 line/mm (Mono/Colour)
	Photo
	7.7 line/mm (Mono)
	Superfine
	15.4 line/mm (Mono)
One Touch Dial	6 (3 × 2)
Speed Dial	80 stations × 2 numbers (MFC-5890CN)
	100 stations × 2 numbers (MFC-6490CW)
Groups	Up to 6
Broadcasting [1]	216 stations (MFC-5890CN)
	256 stations (MFC-6490CW)
Automatic Redial	3 times at 5 minute intervals
Ring Delay	2, 3, 4, 5, 6, 7, 8, 9 or 10 rings (for Australia)
	1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 rings (for New Zealand)
	0, 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 rings (for some countries)
Communication Source	Public switched telephone network.
Memory Transmission	Up to 480 [2]/400 [3] pages
Out of Paper Reception	Up to 480 [2]/400 [3] pages

[1]   Monochrome only

[2]   '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.

[3]   '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.

D

Copy

Colour/Monochrome	Yes/Yes
Document Size	(MFC-5890CN)
	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. 210mm
	(MFC-6490CW)
	ADF Width: 148 mm to 297 mm
	ADF Length: 148 mm to 431.8 mm
	Scanner Glass Width: Max. 297 mm
	Scanner Glass Length: Max. 431.8 mm
	Copy Width: Max. 291 mm
Copy Speed	Monochrome: Up to 23 pages/minute (A4 paper) [1]
	Colour: Up to 20 pages/minute (A4 paper) [1]
Resolution	■ Scans up to 1200×1200 dpi
	■ Prints up to 1200×1200 dpi

[1]   Based on Brother standard pattern (Fast mode/Stack Copy). Copy speeds vary with the complexity of the document.

PhotoCapture Center™

Compatible Media [1]	CompactFlash® (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®
	Memory Stick Pro™
	Memory Stick Duo™ with adapter Memory Stick Micro (M2) with adapter SD [2] SDHC [3] microSD with adapter miniSD™ with adapter xD-Picture Card™ [4] USB Flash memory drive [5]
Resolution	Up to 1200 × 2400 dpi
File Extension	
(Media Format)	DPOF, EXIF, DCF
(Image Format)	Photo Print: JPEG [6]
	Scan to Media: JPEG, PDF (Colour)
	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	Ledger, A3, Letter, A4, Photo (10×15 cm), Photo 2L (13×18 cm) [7]

[1]   Memory cards, adapters and USB Flash memory drive are not included.

[2]   16MB to 2GB

[3]   4GB to 8GB

[4]   xD-Picture Card™ Conventional Card from 16MB to 512MB
xD-Picture Card™ Type M   from 256MB to 2GB
xD-Picture Card™ Type M+ 1GB and 2GB
xD-Picture Card™ 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

[6]   Progressive JPEG format is not supported.

[7]   See *Paper type and size for each operation* on page 20.

PictBridge

Compatibility	Supports the Camera & Imaging Products Association PictBridge standard CIPA DC-001.
	VIsit http://www.cipa.jp/pictbridge for more information.
Interface	USB direct interface

Scanner

Colour/Monochrome	Yes/Yes
TWAIN Compliant	Yes (Windows® 2000 Professional/XP/XP Professional x64 Edition/Windows Vista®)
	Mac OS® X 10.2.4 or greater
WIA Compliant	Yes (Windows® XP [1]/Windows Vista®)
Colour Depth	48 bit colour Processing (Input)
	24 bit colour Processing (Output)
	(Actual Input: 30 bit colour/Actual Output: 24 bit colour)
Resolution	Up to 19200 × 19200 dpi (interpolated) [2]
	Up to 1200 × 2400 dpi (optical) (Scanner Glass)
	Up to 1200 × 600 dpi (optical) (ADF)
Scanning Speed	(MFC-5890CN)
	Monochrome: up to 3.44 sec.
	Colour: up to 4.83 sec.
	(MFC-6490CW)
	Monochrome: up to 3.39 sec.
	Colour: up to 4.49 sec.
	(A4 size at 100 × 100 dpi)
Document Size	(MFC-5890CN)
	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
	(MFC-6490CW)
	ADF Width: 148 mm to 297 mm
	ADF Length: 148 mm to 431.8 mm
	Scanner Glass Width: Max. 297 mm
	Scanner Glass Length: Max. 431.8 mm
Scanning Width	(MFC-5890CN) 210 mm
	(MFC-6490CW) Up to 291 mm
Greyscale	256 levels

[1]   Windows® XP in this User's Guide includes Windows® XP Home Edition, Windows® XP Professional, and Windows® XP Professional x64 Edition.

[2]   Maximum 1200 × 1200 dpi scanning when using the WIA Driver for Windows® XP and Windows Vista® (resolution up to 19200 × 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: Brother Ink Driver
Resolution	Up to 1200 × 6000 dpi
	1200 × 2400 dpi
	1200 × 1200 dpi
	600 × 600 dpi
	600 × 300 dpi
	600 × 150 dpi (Colour)
	450 × 300 dpi (Mono)
Print Speed	Up to 35 pages/minute (Mono) [1]
	Up to 28 pages/minute (Colour) [1]
Printing Width	291 mm (297 mm) [2] (A3 size)
Borderless	Ledger, A3, Letter, A4, A6, B4, Photo (10×15 cm), Photo L (89×127 mm), Photo 2L (13×18 cm), Index Card, Post Card [3]

[1] Based on Brother standard pattern.
A4 size in draft mode.

[2] When you set the Borderless feature to On.

[3] See *Paper type and size for each operation* on page 20.

Interfaces

USB [1] [2]	A USB 2.0 interface cable that is no longer than 2.0 m.
LAN cable [3]	Ethernet UTP cable category 5 or greater.
Wireless LAN (MFC-6490CW)	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.

[1] 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.

[2] Third party USB ports are not supported for Macintosh®.

[3] 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 Interface	Processor Minimum Speed	Minimum RAM	Recommended RAM	Hard Disk Space to install
							For Drivers	For Applications
Windows® Operating System [1]	2000 Professional [5]	Printing, PC Fax [4], Scanning, Removable Disk	USB, 10/100 BaseTx (Ethernet), Wireless 802.11b/g (MFC-6490CW only)	Intel® Pentium® II or equivalent	64 MB	256 MB	110 MB	340 MB
	XP Home [2][5] XP Professional [2][5]				128 MB		110 MB	340 MB
	XP Professional x64 Edition [2]			64-bit (Intel®64 or AMD64) supported CPU	256 MB	512 MB	110 MB	340 MB
	Windows Vista® [2]			Intel® Pentium® 4 or equivalent 64-bit (Intel®64 or AMD64) supported CPU	512 MB	1 GB	600 MB	530 MB
Macintosh® Operating System [6]	Mac OS® X 10.2.4 - 10.4.3	Printing, PC Fax Send [4], Scanning, Removable Disk	USB [3], 10/100 BaseTx (Ethernet), Wireless 802.11b/g (MFC-6490CW only)	PowerPC G4/G5 PowerPC G3 350MHz	128 MB	256 MB	80 MB	400 MB
	Mac OS® X 10.4.4 or greater			PowerPC G4/G5 Intel® Core™ Processor	512 MB	1 GB		

Conditions:

[1] Microsoft® Internet Explorer 5.5 or greater.

[2] For WIA, 1200 x 1200 resolution. Brother Scanner Utility enables to enhance up to 19200 x 19200 dpi.

[3] Third party USB ports are not supported.

[4] PC Fax supports black and white only, and does not support Ledger/A3 size paper.

[5] PaperPort™ 11SE supports Microsoft® SP4 or higher for Windows® 2000 and SP2 or higher for XP.

[6] 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
http://solutions.brother.com/
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	**Replacement Ink Cartridges**
	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.
	For more information about the replacement consumables, visit us at www.brother.com/pageyield.
Replacement Consumables	<Standard Black> LC67BK, <High Yield Black> LC67HY-BK <Standard Cyan> LC67C, <High Yield Cyan> LC67HY-C <Standard Magenta>LC67M, <High Yield Magenta>LC67HY-M <Standard Yellow> LC67Y, <High Yield Yellow> LC67HY-Y

What is Innobella™?

Innobella™ is a range of genuine consumables offered by Brother. The name "Innobella™" 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® 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	
	Ethernet 10/100 BASE-TX Auto Negotiation (Wired LAN)	
	IEEE 802.11 b/g (Wireless LAN)	
Protocols	TCP/IP for IPv4:	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, SMTP Client, POP before SMTP, SMTP-AUTH, POP3, APOP, FTP Client
	TCP/IP for IPv6:	(Turned off as default) NDP, RA, LPR/LPD, Custom Raw Port/Port9100, mDNS, FTP Server, TELNET, SNMPv1, TFTP, Scanner Port, LLTD responder, Web Services, SMTP Client, POP before SMTP, SMTP-AUTH, POP3, APOP, FTP Client
Network Security	SSID/ESSID, 128 (104) / 64 (40) bit WEP, WPA/WPA2-PSK (TKIP/AES)	
Setup Support Utility (MFC-6490CW only)	**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™-capable access point/router)

[1] See the Computer Requirements chart on page 218.

[2] 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.

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.

[1] Push Button Configuration

Note

Routers or access points that support SecureEasySetup™, Wi-Fi Protected Setup™ or AOSS™ have the symbols shown below.

E 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.

Colour Enhancement

Adjusts the colour in the image for better print quality by improving sharpness, white balance and colour 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.

222

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.

FaxAbility

A subscriber service purchased from the telephone company that provides another phone number on an existing phone line. The Brother fax machine uses the new number to simulate a dedicated fax line.

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 Preview

If you choose Fax Preview you will be able to view received faxes on the LCD by pressing the **Fax Preview** key.

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 203×196 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 One Touch and Speed Dial numbers that are stored on a One Touch key or 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 **Colour Start** to begin sending the fax.

E

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 ScanSoft™ PaperPort™ 11SE with OCR or Presto!® PageManager® software application converts an image of text to text you can edit.

One Touch

Keys on the machine's control panel where you can store numbers for easy dialling. You can store a second number on each key if you hold down **Shift** as you press the One Touch key.

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 One Touch and Speed Dial numbers. Press **Redial/Pause** as many times as needed for longer pauses.

Photo resolution (Mono only)

A resolution setting that uses varying shades of grey for the best representation of photographs.

PhotoCapture Center™

Allows you to print digital photos from your digital camera at high resolution for photo quality printing.

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 (Not available in New Zealand)

A form of rotary dialling on a telephone line.

Quick Dial List

A listing of names and numbers stored in One Touch and 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** (✱ **9 1** for New Zealand)) 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** (**# 9 1** for New Zealand)).

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.

Scan to Media

You can scan a monochrome or colour document into a memory card or USB Flash memory drive. Monochrome images will be in TIFF or PDF file format and colour images may be in PDF or JPEG file format.

Scanning

The process of sending an electronic image of a paper document into your computer.

Search

An electronic, numerical or alphabetical listing of stored One Touch, Speed Dial and Group numbers.

Speed Dial

A pre-programmed number for easy dialling. You must press ▢▲ (**Phone Book**), the two digit code, and **Mono Start** or **Colour Start** to start the dialling process.

Standard resolution

203 × 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 × 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 (Not available in New Zealand)

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.

E

F Index

For Australia Only:

Warranty & Repair - For details about warranty on your Brother Product, the details are listed on the following link: **www.brother.com.au** under Warranty. For warranty service (repair) of your Brother product you will need to retain a copy of your sales docket and contact the Support Centre for location of the nearest Authorised Warranty Centre (AWC)

Support - For technical support for your Brother Product other than what you can resolve through the User's Guide, please visit our website or our solutions website for FAQs/Troubleshooting, Drivers & Software, or contact the Product Support Centre for any technical or customer care/support enquiry.

Product Support Centre: Australia

Brother International (Aust) Pty Ltd

Phone: 02 8875 6000

Fax: 02 9870 7223

Email: **productsupport@brother.com.au**

Web Site: **www.brother.com.au**

Solutions Site: **http://solutions.brother.com**

brother.

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

This machine is approved for use in the country of purchase only. Local Brother companies or their dealers will only support machines purchased in their own countries.