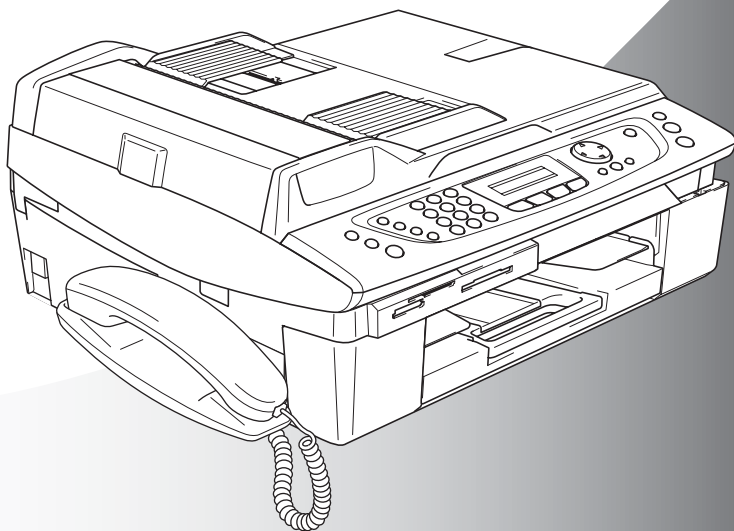


brother®

USER'S GUIDE

MFC-640CW



brother®

Version A

If you need to call Customer Service

Please complete the following information for future reference:

Model Number: MFC-640CW

Serial Number:* _____

Date of Purchase: _____

Place of Purchase: _____

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

Register your product on-line at

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

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

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.

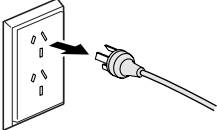
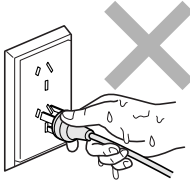
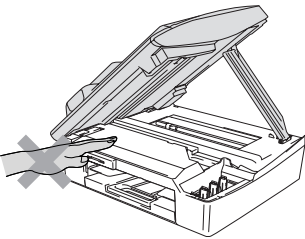
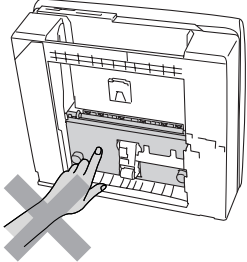
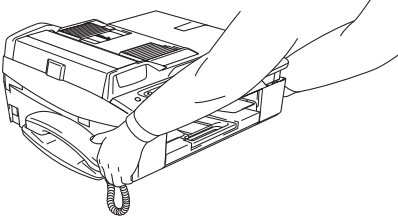
Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to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

Safety precautions

To use the machine safely

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

WARNING

	There are high voltage electrodes inside the machine. Before you clean the machine, make sure you have unplugged the telephone line cord first and then the power cord from the electrical socket. 		Do not handle the plug with wet hands. Doing this might cause an electrical shock. 
	To prevent injuries, be careful not to put your hands on the edge of the machine under the scanner cover. 		To prevent injuries, be careful not to touch the area shaded in the illustration. 
	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 handset tray or the scanner cover. 		



WARNING

- Use caution when installing or modifying telephone lines. Never touch telephone wires or terminals that are not insulated unless the telephone line has been disconnected 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 emergencies, you must disconnect the power cord from the electrical socket in order to shut off power completely.

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, 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.

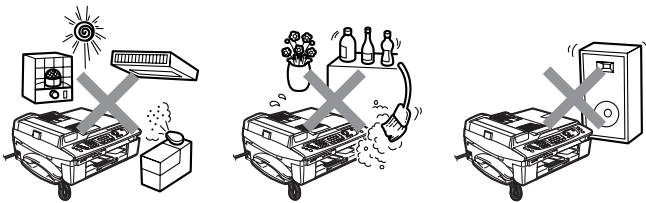
SAVE THESE INSTRUCTIONS

Choosing a location

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

! Caution

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



Quick Reference Guide

Sending faxes

Automatic Transmission

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Load your document.
- 3** Enter the fax number using Speed-Dial, Search or the dial pad.
- 4** Press **Mono Start** or **Colour Start**.

Storing numbers

Storing Speed-Dial numbers

- 1** Press **Menu/Set**, **2**, **3**, **1**.
- 2** Using the dial pad, enter a two-digit Speed-Dial location number, and then press **Menu/Set**.
- 3** Enter a number (up to 20 digits), and then press **Menu/Set**.
- 4** Enter a name up to 15 characters (or leave it blank), and then press **Menu/Set**.
- 5** Press **Stop/Exit**.

Dialling operations

Speed-Dialling

- 1 If it is not illuminated in green, press  (**Fax**).
- 2 Load your document.
- 3 Press **Search/Speed Dial**, press #, and then press the two-digit Speed-Dial number.
- 4 Press **Mono Start** or **Colour Start**.

Using Search

- 1 If it is not illuminated in green, press  (**Fax**).
- 2 Load your document.
- 3 Press **Search/Speed Dial**, and then enter the first letter of the name you're looking for.
- 4 Press ◀ or ▶ to search the memory.
- 5 Press **Mono Start** or **Colour Start**.

Making copies

- 1 Press  (**Copy**) to illuminate it in green.
- 2 Load your document.
- 3 Press **Mono Start** or **Colour Start**.

How to access the complete User's Guide

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

To view Documentation (For Windows®)

From the **Start** menu, select **Brother, MFL Pro Suite MFC-640CW** from the Programs Group, and then select **User's Guide**.

—OR—

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

The CD-ROM main menu will appear.



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

- 4 Click **Documentation**.

- 5** Click the documentation you want to read.
- **Quick Setup Guide:** Setup and Software Installation Instructions
 - **User's Guide (3 manuals):** User's Guide for stand-alone operations, Software User's Guide and Network User's Guide
 - **PaperPort® User's Guide:** Document Management Software

How to find Scanning instructions

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

Software User's Guide:

- Scanning on page 2-1
(For Windows® 98/98SE/Me/2000 Professional and Windows® XP)
- ControlCenter2 on page 3-1
(For Windows® 98/98SE/Me/2000 Professional and Windows® XP)
- Network Scanning on page 4-1

PaperPort® User's Guide

- Instructions for scanning directly from ScanSoft® PaperPort®

How to find Network setup instructions

Your machine can be connected to a wireless or wired network. You can find basic setup instructions in Quick Setup Guide. For more information, or if your access point supports SecureEasySetup™, please see the Network User's Guide.

To view Documentation (For Macintosh®)

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



- 2 Double-click the **Documentation** icon.
- 3 The select Language screen appears, double-click your language.
- 4 Click the documentation you want to read.
 - **Quick Setup Guide:** Setup and Software Installation Instructions
 - **User's Guide (3 manuals):** User's Guide for stand-alone operations, Software User's Guide and 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 on page 9-1
(For Mac OS® 9.1-9.2/Mac OS® X 10.2.4 or greater)
- ControlCenter2 (For Mac OS® X 10.2.4 or greater) on page 10-1
- Network Scanning (For Mac OS® X 10.2.4 or greater) on page 11-1

Presto!® PageManager® User's Guide

- Instructions for scanning directly from Presto!® PageManager®

How to find Network setup instructions

Your machine can be connected to a wireless or wired network. You can find basic setup instructions in Quick Setup Guide. For more information, or if your access point supports SecureEasySetup™, please see the Network User's Guide.

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1 Introduction

Using this Guide

Thank you for buying a Brother Multi-Function Center (MFC). Your machine is simple to use, with LCD screen instructions to guide you through programming it. You can make the most of your machine by reading through this Guide.

Finding information

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

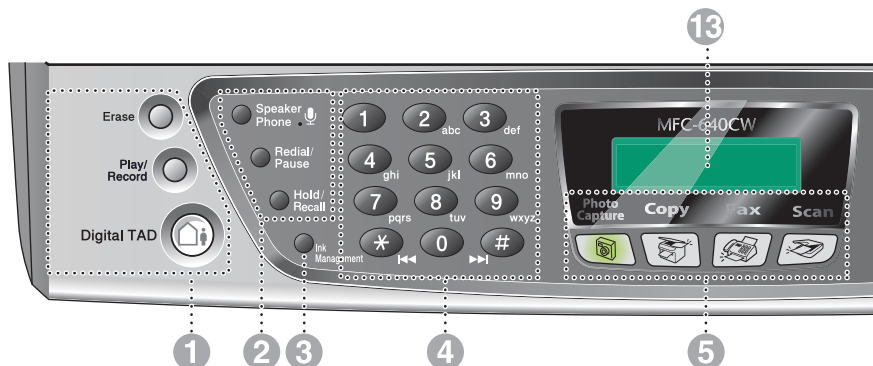
Symbols used in this Guide

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

Bold	Bold typeface identifies specific keys on the machine control panel.
<i>Italics</i>	Italicized typeface emphasizes an important point or refers you to a related topic.
Courier New	Courier New type face identifies the messages on the LCD of the machine.

-  Warnings inform you what to do to avoid possible personal injury.
-  Cautions specify procedures you must follow or avoid to prevent possible damage to the machine or other objects.
-  Notes tell you how you should respond to a situation that may arise or give tips about how the current operation works with other features.
-  Improper Setup alerts you to devices and operations that are not compatible with the machine.

Control panel overview



1 TAD keys



On/Off

Lets you activate the TAD (Telephone Answering Device) and will blink if you have new messages.

Play/Record

Lets you listen to voice messages stored in memory. Also, lets you record telephone calls.

Erase

Lets you delete voice messages, all fax messages or all messages.

2 Telephone keys



Microphone

Picks up your voice when you speak to another party using Speaker Phone.

Speaker Phone

Lets you speak to another party by using the machines microphone and monitor.

Redial/Pause

Redials the last number you called. It also inserts a pause in quick dial numbers.

Hold/Recall

Lets you place calls on hold.

Also, use this key to gain access to an outside line (for Australia and New Zealand only) and/or to recall the operator or transfer a call to another extension when it is connected to a PBX.

3 Ink Management

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

4 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)

5 Mode keys:



PhotoCapture

Lets you access the PhotoCapture Center™ mode.



Copy

Lets you access Copy mode.



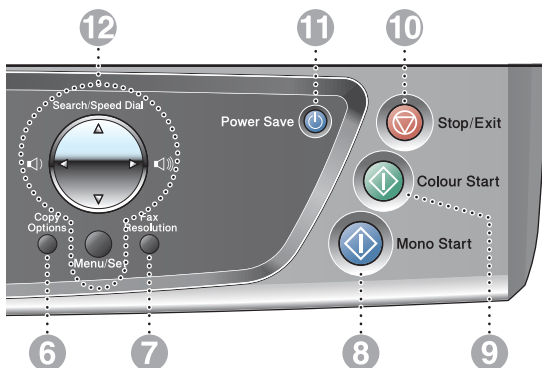
Fax

Lets you access Fax mode.



Scan

Lets you access Scan mode.



6 Copy Options

You can quickly and easily select temporary settings for copying.

7 Fax Resolution

Adjusts the resolution when you send a fax.

8 Mono Start

Lets you start sending faxes or make copies in black and white.

Also lets you start a scanning operation (in colour or mono, depending on the scanning setting in the ControlCenter2 software).

9 Colour Start

Lets you start sending faxes or make copies in full colour.

Also lets you start a scanning operation (in colour or mono, depending on the scanning setting in the ControlCenter2 software).

10 Stop/Exit

Stops an operation or exits from the menu.

11 Power Save

Lets you put the machine into Power Save mode.

12 Navigation keys:

Menu/Set

The same key is used for Menu and Set operations.

Lets you access the Menu to program and store your settings in the machine.



You can press these keys to adjust the volume.

▲ Search/Speed Dial

Lets you look up numbers that are stored in the dialling memory. It also lets you dial stored numbers by pressing # and a two-digit number.



Press to scroll backward to a menu selection.



Press to scroll through the menus and options.

13 LCD (Liquid Crystal Display)

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

When the machine is connected to a wireless network a four level indicator on the right of the LCD shows the wireless signal strength.



Power Save mode

When the machine is idle, you can put the machine into Power Save by pressing the **Power Save** key. In Power Save mode, the machine will receive telephone calls as normal. For further information on receiving faxes in the power save condition, please see the table on page 1-5. 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 turn the machine back on.

How to put the machine into Power Save condition

Press and hold down the **Power Save** key until the LCD shows:

Shutting Down

The LCD light will go off.

How to take the machine out of Power Save mode

Press and hold down the **Power Save** key until the LCD shows:

Please Wait

The LCD will show the date and time (Fax mode).



Even if you have put the machine into Power Save mode, it will periodically clean the print head to preserve print quality.

If you unplug the AC power cord, no machine operations will be available.



You can customize Power Save mode so that, apart from automatic head cleaning, no machine operations are available. (See *Receiving faxes in Power Save mode* on page 1-5.)



The external telephone is always available.

Receiving faxes in Power Save mode

You can customize the machine's **Power Save** key. The default mode is **Fax Receive:On**, so 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**. (See *Power Save mode* on page 1-4.)

- 1** Press **Menu/Set, 1, 5**.
- 2** Press **▲** or **▼** to select **Fax Receive:Off** (or **Fax Receive:On**).
- 3** Press **Menu/Set**.
- 4** Press **Stop/Exit**.

On/Off Setting	Receive Mode	Available Operations
Fax Receive:On (default)	Fax Only	Fax Receive (automatically), Fax Detect, Delayed Fax ¹ , Remote Fax Options ¹ , Remote Retrieval ¹ ■ You can answer calls by lifting the handset.
	TAD:Msg Mgr	Fax Receive (automatically), Recording of incoming messages, Fax Detect, Delayed Fax ¹ , Remote Fax Options ¹ , Remote Retrieval ¹ ■ You can answer calls by lifting the handset.
	Manual Fax/Tel	Delayed Fax ¹ , Fax Detect: ■ You can answer calls by lifting the handset.
Fax Receive:Off	—	No machine operations will be available.

¹ Should be set before you switch off the machine.



The external telephone is always available.

Load documents

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

Using the automatic document feeder (ADF)

The ADF can hold up to 10 pages and feeds each sheet individually. Use standard (80 gsm) paper and always fan the pages before putting them in the ADF.



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

DO NOT use cardboard, newspaper or fabric. (To fax, copy or scan this kind of document, see *Using the scanner glass* on page 1-8.)

Recommended environment

Temperature: 20 to 35°C

Humidity: 50 to 70%

Paper: 80 gsm A4

Available document

Length: 147 to 356 mm

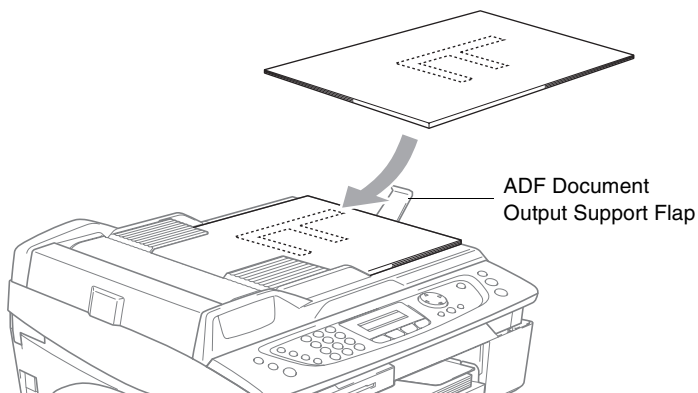
Width: 147 to 216 mm

Weight: 64 to 90 gsm

Thickness: 0.08 to 0.12mm

- Make sure documents written with ink or correction fluid are completely dry.

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



- !** **DO NOT** pull on the document while it is feeding.
- !** **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 pages of a book or one page at a time. Documents can be up to 216 mm wide and 297 mm long.

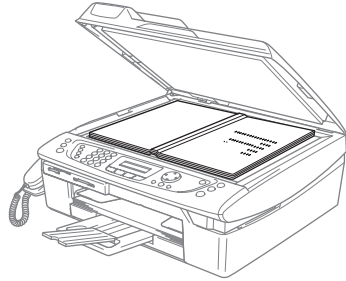
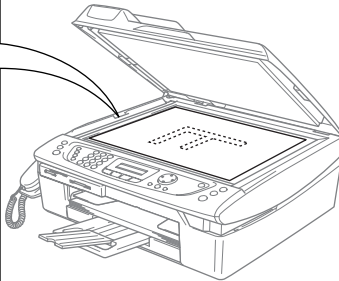


To use the scanner glass, the ADF must be empty.

- 1** Lift the document cover.



Place documents face down
on the Scanner Glass



- 2** Using the document guidelines on the left, center the document face down on the scanner glass.
- 3** Close the document cover.



If the document is a book or is thick, do not slam the cover or press on it.

About paper

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

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

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

We recommend testing various paper types before purchasing large quantities.

For best results, use the recommended paper.



- When you print on inkjet paper (coated paper), transparencies and glossy paper, be sure to select the proper media in the “Basic” tab of the printer driver or in the Paper Type setting of the menu (**Menu/Set, 1, 2**).
- When you print on Brother glossy paper, load the instruction sheet included with the glossy paper in the paper tray first, and then place the glossy paper on the instruction sheet.
- When you use transparencies or glossy paper, remove each printed sheet immediately to prevent smudging or paper jams.
- Avoid touching the printed surface of the paper immediately after printing. The surface may not be completely dry and may stain your fingers.

Recommended Paper

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

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

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

Brother Paper

Paper Type	Item
A4 Plain	BP60PA
A4 Glossy	BP60GLA
A4 Inkjet (Photo Matte)	BP60MA
10 x 15 cm Glossy	BP60GLP

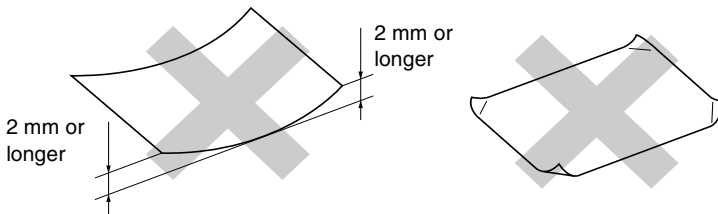
Handling and using special paper

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



Do not use paper:

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



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



Do not use cardboard, newspaper or fabric.

Paper type and size for each operation

Paper Type	Paper Size	Usage			
		Fax	Copy	PhotoCapture	Printer
Cut Paper	Letter	Yes	Yes	Yes	Yes
	A4	Yes	Yes	Yes	Yes
	Legal	Yes	Yes	-	Yes
	Executive	-	-	-	Yes
	JIS B5	-	-	-	Yes
	A5	-	Yes	-	Yes
	A6	-	-	-	Yes
Cards	Photo	-	Yes	Yes	Yes
	Photo L	-	-	-	Yes
	Photo 2L	-	-	Yes	Yes
	Index Card	-	-	-	Yes
	Post Card 1	-	-	-	Yes
	Post Card 2	-	-	-	Yes
	(Double)	-	-	-	Yes
Envelopes	C5 Envelope	-	-	-	Yes
	DL Envelope	-	-	-	Yes
	COM-10	-	-	-	Yes
	Monarch	-	-	-	Yes
	JE4 Envelope	-	-	-	Yes
Transparencies	Letter	-	Yes	-	Yes
	A4	-	Yes	-	Yes

Paper weight, thickness and capacity

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

* Up to 50 sheets for Legal size paper (80 gsm).

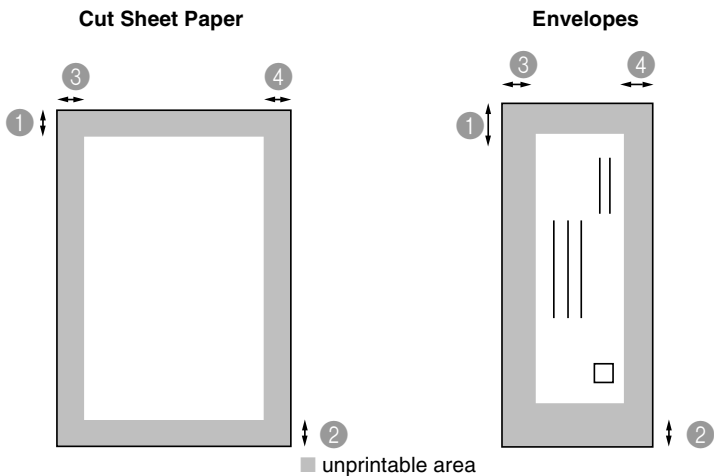
* Up to 100 sheets of 80 gsm.

Paper capacity of the output paper tray

Output Paper Tray	Up to 25 sheets of 80 gsm (A4) ■ Transparencies or glossy paper must be picked up from the output paper tray one page at a time to avoid smudging. ■ Legal paper cannot be stacked on the output paper tray.
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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.



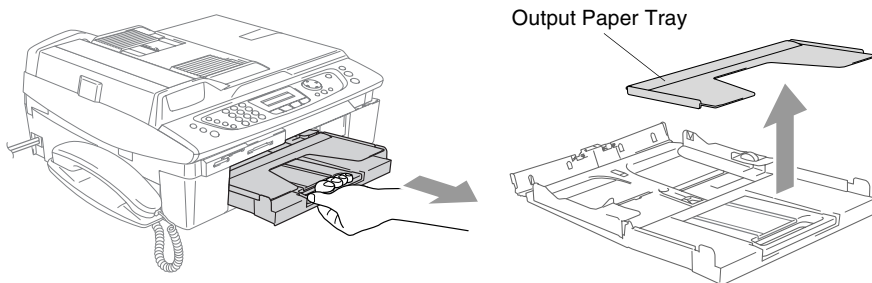
	①Top	②Bottom	③Left	④Right
Cut Sheet	3 mm (0 mm)*1	3 mm (0 mm)*1	3 mm (0 mm)*1	3 mm (0 mm)*1
Envelopes	12 mm	24 mm	3 mm	3 mm

 *1 When you set the Borderless feature to On.
Printable area depends on the Printer driver settings.
The figures above are approximate and the printable area may vary depending on the type of cut sheet paper you are using.

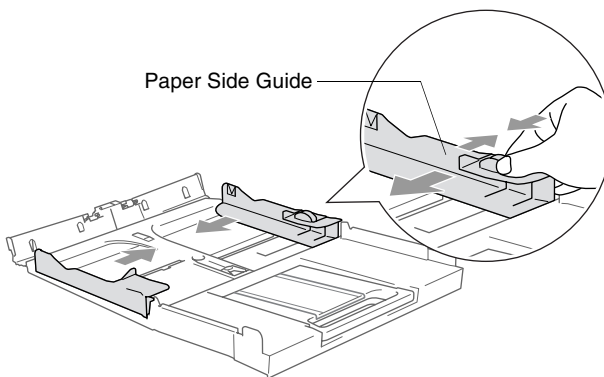
How to load paper, envelopes and post cards

To load paper or other media

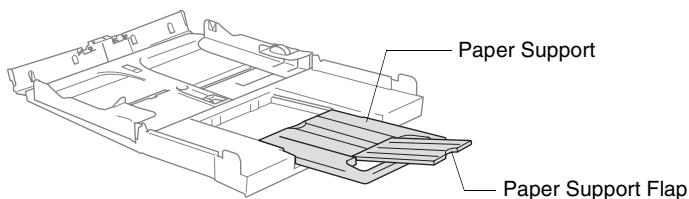
- 1** Pull the paper tray completely out of the machine and remove the output paper tray.



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

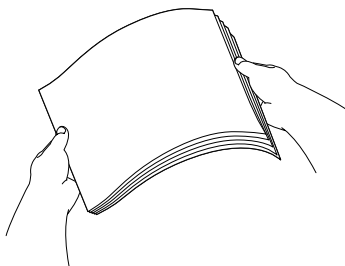


- 3** Pull out the paper support and unfold the paper support flap.



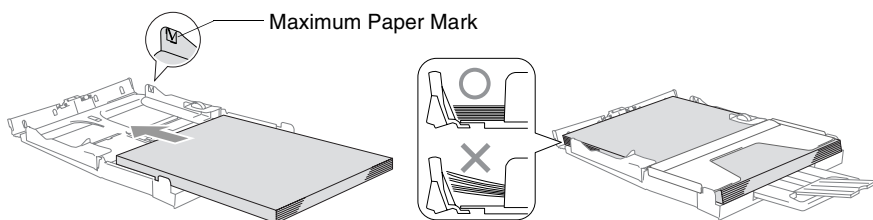
Use the paper support flap for Letter, Legal and A4.

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



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

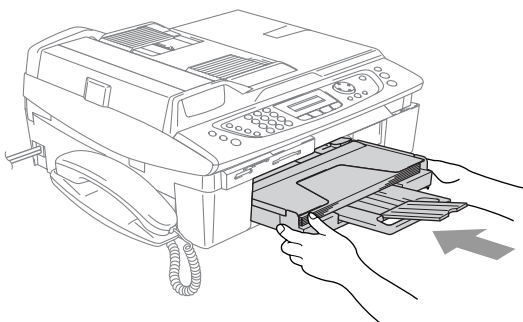
Check that the paper is flat in the tray and below the maximum paper mark.



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

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

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



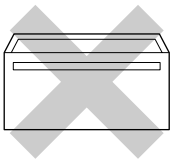
To load envelopes

- Use envelopes that weigh from 75 - 95 gsm.
- Some envelopes require margin settings in the application. Make sure you do a test print first.
- ⊘ To prevent possible damage to the feeding mechanism, do not use the types of envelopes shown below.

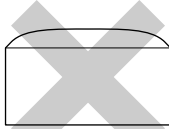
DO NOT USE ENVELOPES:

- that are of a baggy construction
- that are embossed (have raised writing on them)
- that have clasps on them
- that are not sharply creased
- that are preprinted on the inside

■ Glue



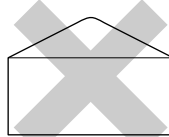
■ Rounded flap



■ Double flap



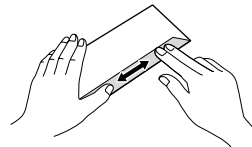
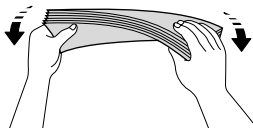
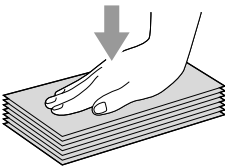
■ Triangular flap



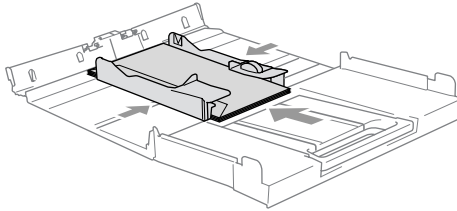
How to load envelopes

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

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

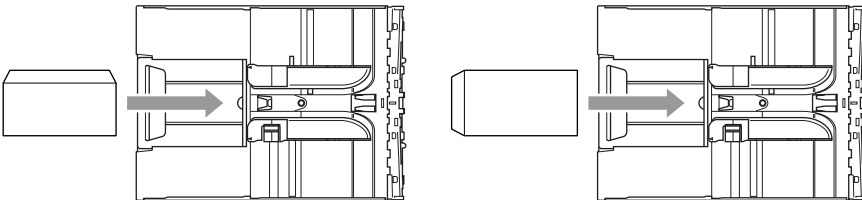


- 2 Insert the envelopes into the paper tray with the address side down and the leading edge (top of the envelopes) in first. Slide the paper side guide to fit the width of the envelopes.



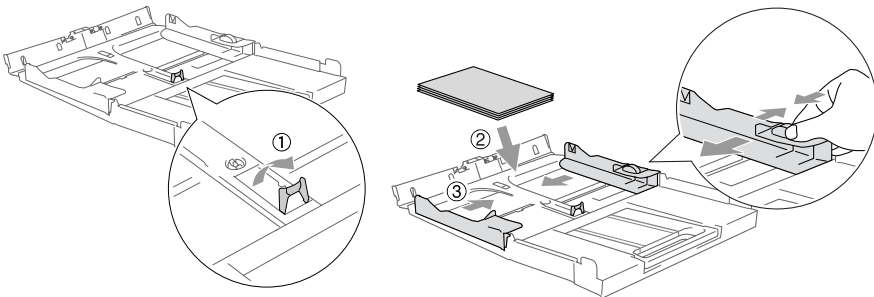
If you have problems when printing on envelopes, try the following suggestions:

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



To load post cards

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



About fax machines

Fax tones and handshake

When someone is sending a fax, the machine sends fax calling tones (CNG tones). These are quiet, intermittent beeps every 4-seconds. You'll hear them after you dial and press **Mono Start** or **Colour Start** and they will continue for about 60 seconds after dialling. During that time, the sending machine must begin the "handshake", or connection, with the receiving machine.

Each time you use automatic procedures to send a fax, you are sending CNG tones over the phone line. You will soon learn to listen for these quiet beeps each time you answer a phone on your fax line, so you will know if you are receiving a fax message.

The receiving fax responds with fax receiving tones, which are loud, chirping sounds. A receiving fax chirps for about 40 seconds over the phone line, and the LCD shows *Receiving*.

If your machine is set to the Fax Only mode, it will answer every call automatically with fax receiving tones. If the other person hangs up, your machine will continue to send the "chirps" for about 40 seconds, and the LCD continues to show *Receiving*. To cancel receiving, press **Stop/Exit**.

The fax 'handshake' is the time in which the sending machine's CNG tones and the receiving machine's "chirps" overlap. This must be for at least 2 to 4 seconds, so both machines can understand how each is sending and receiving the fax. The handshake cannot begin until the call is answered, and the CNG tones only last for about 60 seconds after the number is dialled. So it is important for the receiving machine to answer the call in as few rings as possible.



When you have an external Telephone Answering Device (TAD) on your fax line, your TAD will decide the number of rings before the call is answered.

ECM (Error Correction Mode)

The Error Correction Mode (ECM) is a way for the machine to check a fax transmission while it is in progress. If the machine detects errors during fax transmission, it resends the pages of the fax that had an error. ECM transmissions are only possible between fax machines that both have this feature. If they do, you may send and receive fax messages that are continuously being checked by the machine. Your machine must have enough memory for this feature to work.

Multi-Line connections (PABX)

Most offices use a central telephone system.

Brother recommends that all our Fax/MFC 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.

2 Getting started

Initial Setup

Setting the Date and Time

When the machine is not in use it will display the date and time. If you set up the Station ID, the date and time displayed by your machine will be printed on every fax you send. If there is a power failure, you may have to reset the date and time. No other settings will be affected.

- 1** Press **Menu/Set**, **0**, **2**.
- 2** Enter the last two digits of the year.
Press **Menu/Set**.
- 3** Enter two digits for the month.
Press **Menu/Set**.
(For example, enter 09 for September, or 10 for October.)
- 4** Enter two digits for the day.
Press **Menu/Set**. (For example, enter 06 for 6th.)
- 5** Enter the time in 24-Hour format.
Press **Menu/Set**. (For example, enter 15:25 for 3:25 P.M.)
- 6** Press **Stop/Exit**.

The LCD now shows the date and time whenever the machine is in Fax mode.

Setting Tone or Pulse dialling mode (Not available in New Zealand)

Your machine comes set for Tone dialling service (Multi-frequency). If you have Pulse dialling service (rotary), you need to change the dialling mode.

- 1** Press **Menu/Set**, **0**, **4**.
- 2** Press **▲** or **▼** to select **Pulse** (or **Tone**).
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Setting the Station ID

You should store your name or company name and fax number so they print on all fax pages you send.

It is important that you enter the fax number in the internationally standardized format, i.e. in accordance with the following strict sequence:

1 Press **Menu/Set, 0, 3**.

2 Enter your fax number (up to 20 digits).

Press **Menu/Set**.



You cannot enter a hyphen in the fax number. To enter a space press ► once between numbers.

3 Use the dial pad to enter your name (up to 20 characters).
(See *Entering Text* on page B-14.)

Press **Menu/Set**.

4 Press **Stop/Exit**.



If the Station ID has already been programmed, the LCD will ask you to press **1** to make a change or **2** to exit without changing.

Setting the Phone Line Type (For Australia and New Zealand only)

If you are connecting the machine to a line that features a PBX or ISDN to send and receive faxes, it is also necessary to change the Phone Line Type accordingly by completing the following steps.

- 1** Press **Menu/Set, 0, 6**.
- 2** Press **▲** or **▼** to select PBX, ISDN (or Normal).
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

PBX and TRANSFER

The machine is initially set to be connected with PSTN (Public Switched Telephone Network) lines. However, many offices use a central telephone system or Private Automatic Branch Exchange. Your machine can be connected to most types of PBX. The machine's recall feature supports timed break recall only (TBR). TBR will work with most PBX systems allowing you to gain access to an outside line, or transfer calls to another extension. The feature works when the **Hold/Recall** key is pressed.

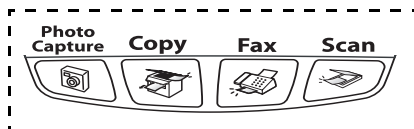


You can program a **Hold/Recall** key press as part of a number stored in a Speed-Dial location. When programming the Speed-Dial number (**Menu/Set, 2, 3, 1**) press **Hold/Recall** first (the screen displays "!"), then enter the telephone number. If you do this, you do not need to press **Hold/Recall** each time before you dial using a Speed-Dial location. (See *Storing numbers for easy dialling* on page 5-1.) However, if PBX is not selected in the Phone Line Type setting, you cannot use the Speed-Dial number that **Hold/Recall** press is programmed into.

General Setup

Setting the Mode Timer

The machine has four temporary mode keys on the control panel: PhotoCapture, Copy, Fax and Scan. You can change the number of seconds or minutes the machine takes after the last Copy, Scan or PhotoCapture operation before it returns to Fax mode. If you select Off, the machine stays in the mode you used last.



- 1** Press **Menu/Set**, **1**, **1**.
- 2** Press **▲** or **▼** to select 0 Sec, 30 Secs, 1 Min, 2 Mins, 5 Mins or Off.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Setting the Paper Type

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

- 1** Press **Menu/Set**, **1**, **2**.
- 2** Press **▲** or **▼** to select Plain, Inkjet, Glossy or Transparency.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.



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

Setting the Paper Size

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

- 1** Press **Menu/Set**, **1**, **3**.
- 2** Press **▲** or **▼** to select Letter, Legal, A4, A5 or 10x15cm.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Setting the Ring Volume

You can turn the ring Off or you can select the ring volume level.

- 1** Press **Menu/Set**, **1**, **4**, **1**.
- 2** Press **▲** or **▼** to select Low, Med, High or Off.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

—OR—

You can adjust the ring volume when your machine is idle (not being used). In Fax mode , press  or  to adjust the volume level. Every time you press these keys, the machine will ring so you can hear the active setting as the LCD shows it. The volume changes with each key press. The new setting will stay until you change it again.

Setting the Beeper Volume

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

- 1** Press **Menu/Set**, **1**, **4**, **2**.
- 2** Press **▲** or **▼** to select your option.
(Low, Med, High or Off)
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Setting the Speaker Volume

You can adjust the speaker volume.

- 1** Press **Menu/Set**, **1**, **4**, **3**.
- 2** Press **▲** or **▼** to select Low, Med, High or Off.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

—OR—

In Fax mode , you can adjust the speaker volume by pressing **Speaker Phone**, and then selecting a speaker volume level.

Press  or  to adjust the volume level. The LCD shows the setting you are choosing. Each key press changes the volume to the next setting. The new setting will remain until you change it again.



- You can adjust the speaker volume while you are listening to your OGM (Outgoing Message) and ICMs (Incoming Messages).
- If you turn Incoming Recording Monitor to OFF (**Menu/Set**, **2**, **7**, **3**) the Speaker for screening calls will be disabled and you won't hear callers leaving messages. The volume for other operations can still be controlled using  or .

Setting the LCD Contrast

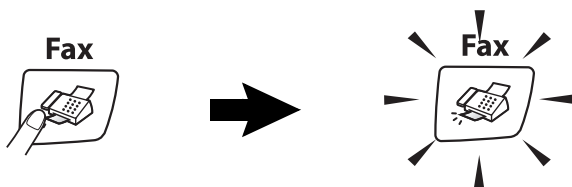
You can adjust the LCD contrast for a sharper and more vivid display. If you are having difficulty reading the LCD from your position, try changing the contrast setting for improved viewing.

- 1** Press **Menu/Set**, **1**, **6**.
- 2** Press **▲** or **▼** to select **Light** or **Dark**.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

3 Setup Send

How to enter Fax mode

Before sending faxes, make sure  (**Fax**) is illuminated in green. If not, press  (**Fax**) to enter Fax mode. The default setting is Fax.

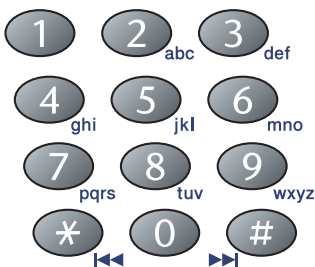


How to dial

You can dial in any of the following ways.

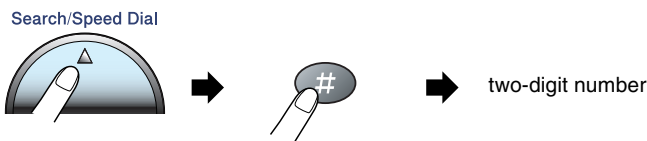
Manual dialling

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



Speed-Dialling

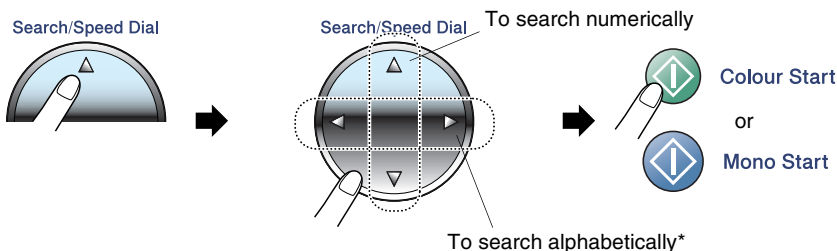
Press **Search/Speed Dial**, **#**, and then the two digit Speed-Dial number. (See *Storing Speed-Dial numbers* on page 5-1.)



 If the LCD shows **Not Registered** when you enter the Speed-Dial number, a number has not been stored for it.

Search

You can search for names you have stored in the Speed-Dial memory. Press **Search/Speed Dial** and the navigation keys to search. (See *Storing Speed-Dial numbers* on page 5-1.)



* To search alphabetically, you can use the dial pad to enter the first letter of the name you are looking for.

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 the last number dialled, you can save time by pressing **Redial/Pause** and **Mono Start** or **Colour Start**.

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.

How to Fax

Colour fax transmission

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

However, 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**).



Delayed fax and Polling Transmit features are not available in colour.

Faxing from the ADF

Put the document face down in the ADF.

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Load your document.
- 3** Dial the fax number.
- 4** Press **Mono Start** or **Colour Start**.
The machine starts scanning the document.



To cancel, press **Stop/Exit**.



If the memory is full, it will be sent in real time.

Faxing from the scanner glass

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

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Load your document on the scanner glass.
- 3** Dial the fax number.

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

■ If you press **Mono Start**, the machine starts scanning the first page.

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

- 4** To send a single page, press **2** (or press **Mono Start** again).

Next Page?
1.Yes 2.No (Dial)

The machine starts sending the document.

—OR—

To send more than one page, press **1** and go to Step 5.

- 5** Place the next page on the scanner glass.

Set Next Page
Then Press Set

Press **Menu/Set**.

The machine starts scanning. (Repeat Steps 4 and 5 for each additional page.)

 To cancel, press **Stop/Exit**.

 ■ If the memory is full and you are faxing a single page, it will be sent in real time.

■ You cannot send multiple pages for colour faxes.

Automatic transmission

This is the easiest way to send a fax.

- 1** If it is not illuminated in green, press  **(Fax)**.
- 2** Load your document.
- 3** Dial the fax number you want to call. (See *How to dial* on page 3-1.)
- 4** Press **Mono Start** or **Colour Start**.

Manual transmission

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

- 1** If it is not illuminated in green, press  **(Fax)**.
- 2** Load your document.
- 3** Pick up the handset of the machine and listen for a dial tone.
—OR—
Press **Speaker Phone** and listen for a dial tone.
- 4** Dial the fax number you want to call.
- 5** When you hear the fax tone, press **Mono Start** or **Colour Start**.
- 6** If you picked up the handset, replace it.

Sending a fax at the end of a conversation

At the end of a conversation you can send a fax to the other party before you both hang up.

- 1** Ask the other party to wait for fax tones (beeps) and then to press Start or Send key before hanging up.
- 2** If it is not illuminated in green, press  **(Fax)**.
- 3** Load your document.
- 4** Press **Mono Start** or **Colour Start**.

Basic sending operations

Sending faxes using multiple settings

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

- 1 If it is not illuminated in green, press  (**Fax**).
After each setting is accepted, the LCD will ask if you want to enter more settings:

- 2 Press **1** to select more settings. The LCD will return to the `Setup Send` menu.

Next
1.Yes 2.No

—OR—

Press **2** if you have finished choosing settings and go to the next step.

Contrast

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

Use `Light` to send a light document.

Use `Dark` to send a dark document.

- 1 If it is not illuminated in green, press  (**Fax**).
- 2 Load your document.
- 3 Press **Menu/Set**, **2**, **2**, **1**.
- 4 Press **▲** or **▼** to select `Auto`, `Light` or `Dark`.
Press **Menu/Set**.

Fax Resolution

You can use the **Fax Resolution** key to change the setting temporarily (for this fax only). In Fax mode , press **Fax Resolution** and ▲ or ▼ to select the setting you want, and then press **Menu/Set**.

—OR—

You can change the default setting:

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Load your document.
- 3** Press **Menu/Set**, **2**, **2**, **2**.
- 4** Press ▲ or ▼ to select the resolution you want.
Press **Menu/Set**.



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

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 select **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.

Dual Access (Monochrome only)

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



Your machine normally uses Dual Access. However, to send a colour fax, the machine will send the document in real time (even if Real Time TX is Off).

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



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

Real Time Transmission

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

If the memory becomes full, 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 set Real Time TX to On for all documents or for the next fax only.

If you want to fax multiple pages from the scanner glass, Real Time Transmission should be set to Off.

Sending in real time for all faxes

- 1 If it is not illuminated in green, press  (Fax).
- 2 Press **Menu/Set, 2, 2, 5**.
- 3 Press **▲** or **▼** to select On (or Off).
Press **Menu/Set**.

Sending in real time for the next fax only

- 1 If it is not illuminated in green, press  (Fax).
- 2 Load your document.
- 3 Press **Menu/Set, 2, 2, 5**.
- 4 Press **▲** or **▼** to select Next Fax Only.
Press **Menu/Set**.
- 5 Press **▲** or **▼** to select On (or Off).
Press **Menu/Set**.
- 6 Press **Mono Start** or **Colour Start**.



- In Real Time Transmission, the automatic redial feature does not work when using the scanner glass.
- If you are sending a colour fax, the machine will send it in real time (even if Real Time TX is set to Off)

Checking job status

Check which jobs are still waiting in the memory to be sent. (If there are no jobs, the LCD shows `No Jobs Waiting.`)

- 1** Press **Menu/Set, 2, 6.**
- 2** If you have more than one job waiting, press **▲** or **▼** to scroll through the list.
- 3** Press **Stop/Exit.**

Cancelling a fax in progress

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

Cancelling a waiting job

You can cancel a fax job that is stored and waiting in the memory.

- 1** Press **Menu/Set, 2, 6.**
Any jobs that are waiting will appear on the LCD.
- 2** If you have more than one job waiting, press **▲** or **▼** to select the job you want to cancel.
Press **Menu/Set.**
—OR—
If you only have one job waiting, go to Step 3.
- 3** Press **1** to cancel.
To cancel another job go to Step 2.
—OR—
Press **2** to exit without cancelling.
- 4** Press **Stop/Exit.**

Advanced sending operations

Broadcasting (Monochrome only)

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

Press **Menu/Set** between each of the numbers. Use **Search/Speed Dial** to help you choose the numbers easily. (To set up Group dial numbers, see *Setting up Groups for Broadcasting* on page 5-3.)

After the broadcast is finished, a Broadcast Report will be printed to let you know the results.

- 1** If it is not illuminated in green, press  **(Fax)**.
- 2** Load your document.
- 3** Enter a number using Speed-Dial, a Group number, Search or manual dialling using the dial pad.
(Example: Group number)
- 4** When the LCD displays the fax number or name of the other party, press **Menu/Set**.
You will be asked to enter the next number.
- 5** Enter the next number.
(Example: Speed-Dial number)
- 6** When the LCD displays the fax number or name of the other party, press **Menu/Set**.
- 7** After you have entered all the fax numbers, go to Step 8 to start the broadcast.
- 8** Press **Mono Start**.



- If you did not use up any of the numbers for Groups, access codes or credit card numbers, you can 'broadcast' faxes to as many as 130 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.
- Enter the long dialling sequence numbers as you would normally, but remember that each Speed-Dial number counts as one number, so the number of locations you can store becomes limited.
- If the memory is full, press **Stop/Exit** to stop the job or if more than one page has been scanned, press **Mono Start** to send the portion that is in the memory.

To Stop a Broadcast In Progress

1 Press **Menu/Set, 2, 6**.

The LCD will display the fax number being dialled.

2 Press **Menu/Set**.

The LCD will display:

XXXXXXXX
1.Clear 2.Exit

3 Press **1** to Clear.

The LCD will then display the Broadcast job number and

1.Clear 2. Exit.

4 To cancel the Broadcast, press **1**.

5 Press **Stop/Exit**.

Overseas Mode

If you are having difficulty sending a fax overseas due to possible interference on the phone 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 If it is not illuminated in green, press  (**Fax**).

2 Load your document.

3 Press **Menu/Set, 2, 2, 7**.

4 Press **▲** or **▼** to select **On** (or **Off**).

Press **Menu/Set**.

Delayed Fax (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 4.

1 If it is not illuminated in green, press  **(Fax)**.

2 Load your document.

3 Press **Menu/Set, 2, 2, 3**.

4 Press **Menu/Set** to accept the displayed time.

Setup Send
3.Delayed Fax

—OR—

Enter the time you want the fax to be sent (in 24-hour format).

Press **Menu/Set**.

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



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

Delayed Batch Transmission (Monochrome only)

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

1 If it is not illuminated in green, press  **(Fax)**.

2 Press **Menu/Set, 2, 2, 4**.

3 Press **▲** or **▼** to select On (or Off).

Press **Menu/Set**.

4 Press **Stop/Exit**.

Setup Send
4.Batch TX

Setup for Polled Transmit (Standard) (Monochrome only)

Polled Transmit is when you set up the machine to wait with a document so another fax machine can retrieve it.

1 If it is not illuminated in green, press  **(Fax)**.

2 Load your document.

3 Press **Menu/Set, 2, 2, 6**.

4 Press **▲** or **▼** to select *Standard*.

Press **Menu/Set**.

 Once a document has been stored in memory for polling transmit, it can be sent and received more than once.

Setup for Polled Transmit with Secure Code (Monochrome only)

When you choose *Polled TX:Secure*, anyone who polls the machine must enter the polling secure code.

1 If it is not illuminated in green, press  **(Fax)**.

2 Load your document.

3 Press **Menu/Set, 2, 2, 6**.

4 Press **▲** or **▼** to select *Secure*.

Press **Menu/Set**.

5 Enter a four-digit number.

Press **Menu/Set**.

 The document will be stored in the machine's memory and can be retrieved from any other fax machine until you delete the fax in memory by using the Cancelling a job menu setting.
(See *Cancelling a waiting job* on page 3-10.)

 You can use Secure Polling only with another Brother fax machine.

Memory Security

Memory Security lets you prevent unauthorized access to the machine. While Memory Security is On the following operations are available:

- Receiving faxes into memory (limited by memory capacity)
- Fax Forwarding (If Fax Forwarding was already On)
- Remote Retrieval (If Fax Storage was already On)
- Recording incoming messages (if TAD mode was already On)

While Memory Security is On the following operations are NOT available:

- Telephone (voice) operation with **Speaker Phone**
- Sending faxes
- Printing received faxes
- Copying
- PC printing
- Scanning
- PhotoCapture



You will not be able to continue to schedule Delayed Faxes or Polling jobs. However, any pre-scheduled Delayed Faxes will be sent when you turn Memory Security On, so they won't be lost.

If you have selected Fax Forwarding or Fax Storage (**Menu/Set, 2, 5, 1**) *before* you turn Memory Security On, then Fax Forwarding and Remote Retrieval will continue to work.



To print the faxes in memory, turn Memory Security Off.



You cannot turn on Memory Security if PC-Fax Receive is on. (See *Turning off Remote Fax Options* on page 6-4.)

Setting up the password



- If you have already set the password, you will not need to set it again.
- If you forget the password, please contact your Brother dealer or Brother for assistance.

- 1** Press **Menu/Set, 2, 0, 1**.
- 2** Enter a 4-digit number for the password.
Press **Menu/Set**.
- 3** If the LCD shows *Verify:*, re-enter the password.
Press **Menu/Set**.
- 4** Press **Stop/Exit**.

Changing the Memory Security password

- 1** Press **Menu/Set, 2, 0, 1**.
- 2** Press **▲** or **▼** to select *Set Password*.
Press **Menu/Set**.
- 3** Enter a 4-digit number for the current password.
Press **Menu/Set**.
- 4** Enter a 4-digit number for a new password.
Press **Menu/Set**.
- 5** If the LCD shows *Verify:*, re-enter the password.
Press **Menu/Set**.
- 6** Press **Stop/Exit**.

Turning Memory Security on

- 1** Press **Menu/Set, 2, 0, 1**.
- 2** Press **▲** or **▼** to select *Set Security*.
Press **Menu/Set**.
- 3** Enter the registered 4-digit password.
Press **Menu/Set**.

The machine goes offline and the LCD shows *Secure Mode*.

Turning Memory Security off

- 1** Press **Menu/Set**.
- 2** Enter the registered 4-digit password.
Press **Menu/Set**.
Memory Security is automatically turned off.



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

Faxing letter size documents from the scanner glass

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

- 1** Press **Menu/Set**, **2**, **2**, **0**.
- 2** Press **▲** or **▼** to select **Letter** (or **A4**).
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

4 Setup Receive

Basic receiving operations

Choosing the Receive Mode

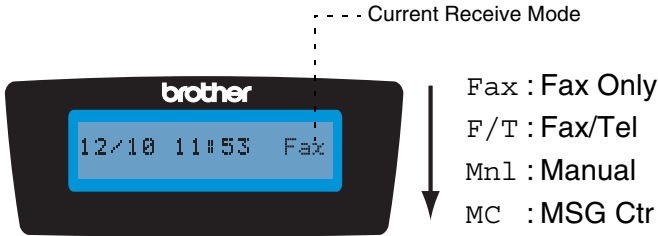
There are four different Receive Modes for your machine. You can choose the mode that best suits your needs. (See *TAD mode* on page 7-1 to set up the MC:MSG CTR mode.)

LCD	How it works	When to use it
Fax Only (automatic receive)	The machine automatically answers every call as a fax.	For dedicated fax lines.
Fax/Tel (fax and telephone)	The machine controls the line and automatically answers every call. If the call is a fax it will receive the fax. If the call is not a fax it will ring (pseudo/double ring) for you to pick up the call.	Use this mode if you expect to receive lots of fax messages and few telephone calls. You cannot have an answering machine on the same line, even if it is on a separate socket/phone socket on the same line. You cannot use the telephone company's Voice Mail in this mode.
Manual (manual receive) (with Distinctive Ring)	You control the phone line and must answer every call yourself.	Use this mode if you do not receive many fax messages, have an external TAD connected to the machine, or if you use Distinctive Ring. If you answer and hear fax tones, wait until the machine takes over the call, then hang up. (See <i>Fax Detect</i> on page 4-6.) If you are using a computer modem on the same line, faxing will not operate correctly.
MC:MSG CTR 	The built-in digital TAD answers voice calls and automatically receives faxes.	Use this mode to record voice messages in the machine's memory. (For details, see <i>TAD mode</i> on page 7-1.)

To select or change your Receive Mode

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set, 0, 1**.
- 3** Press **▲** or **▼** to select **Fax Only**, **Fax/Tel**, or **Manual**.
Press **Menu/Set**.
- 4** Press **Stop/Exit**.

Initial Setup
1.Receive Mode



Press and hold until it
lights.

If the TAD Mode is On, it overrides
your Receive Mode setting. The
screen shows **MC :MSG CTR**



OFF

If the TAD Mode is Off, the Receive
Mode returns to your own setting.
(See *TAD (Telephone Answering
Device)* on page 7-1.)

Setting the Ring Delay

The Ring Delay sets the number of times the machine rings before it answers in *Fax Only*, *Fax/Tel* and *TAD:Msg Mgr* modes. If you have extension phones on the same line as the machine or subscribe to the telephone company's Distinctive Ring service, keep the Ring Delay setting of 4.

(See *Fax Detect* on page 4-6 and *Operation from extension telephones* on page A-14.)

1 If it is not illuminated in green, press  (**Fax**).

2 Press **Menu/Set**, **2**, **1**, **1**.

3 Press ▲ or ▼ to select Ring Delay.

Ring Delay
Ring Delay

Press **Menu/Set**.

4 Press ▲ or ▼ to select how many times the line rings before the machine answers (02-10 for Australia, 01-10 for New Zealand, 0-10 for some countries).

Press **Menu/Set**.

(If you select 00, the line won't ring at all.)

5 Press **Stop/Exit**.



Toll Saver must be **Off** to use the Ring Delay setting.

(See *Setting Toll Saver (TAD mode)* on page 4-4.)

Setting Toll Saver (TAD mode)

When you set the toll saver feature, the machine answers after four rings if you do not have voice or fax messages and after two rings if you do have voice or fax messages. This way, when you call the machine for remote retrieval and let it ring three times, you know you have no messages and can hang up to avoid a toll charge.



■ When Toll Saver is **On**, it overrides your Ring Delay setting. (See *Setting the Ring Delay* on page 4-3.)

■ The Toll Saver feature is available only when the TAD is set to **On**.

■ If you are using Distinctive Ring, do **NOT** use the Toll Saver feature.

1 If it is not illuminated in green, press  (**Fax**).

2 Press **Menu/Set**, **2**, **1**, **1**.

3 Press **▲** or **▼** to select **Toll Saver**.
Press **Menu/Set**.

Ring Delay
Toll Saver

4 Press **▲** or **▼** to select **On** (or **Off**).
Press **Menu/Set**.

5 Press **Stop/Exit**.

Setting the F/T Ring Time (Fax/Tel mode only)

If you set the Receive Mode to **Fax/Tel**, you'll need to decide how long the machine will signal you with its special pseudo/double-ring when you have a *voice* call. (If it's a fax call, the machine prints the fax.)

This pseudo/double-ring happens after the initial ringing from the phone company. Only the machine rings and no other phones on the same line will ring with the special pseudo/double-ring. However, you can still answer the call on any telephone on the same line as the machine. (See *For Fax/Tel mode only* on page A-15.)

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set, 2, 1, 2**.
- 3** Press **▲** or **▼** to select how long the machine will ring to alert you that you have a voice call [20, 30, 40 or 70 seconds (20, 30, 40, 55 seconds for New Zealand)].
Press **Menu/Set**.
- 4** Press **Stop/Exit**.



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

Setting the Fax/Tel Announcement

For the Fax/Tel receive mode, you can set up the machine to play an outgoing announcement for callers when no one is there to answer calls. (See *Record Fax/Tel Outgoing Announcement (F/T OGM)* on page 7-7.)

Fax Detect

When you use this feature, you don't have to press **Mono Start** or **Colour Start**, or the Fax Receive Code *51 (*91 for New Zealand) when you answer a fax call. Selecting **On** allows the machine to receive fax calls automatically, even if you lift the handset of an extension or external phone. When you see **Receiving** on the LCD or when you hear 'chirps' through the handset of an extension phone connected to another phone socket, just replace the handset and your machine will do the rest. Selecting **Semi** lets the machine receive the fax only if you've answered it at the machine.



- If this feature is set to **On**, but your machine does not connect a fax call when you lift an extension or external phone handset, press the Fax Receive Code *51 (*91 for New Zealand).
- We do not recommend having a PC and Fax on the same phone line.
- Selecting **Off** means you'll have to activate the machine yourself by pressing **Mono Start** or **Colour Start** on the machine

—OR—

Press *51 (*91 for New Zealand) on the external or extension phone if you are not at your machine. (See *Operation from extension telephones* on page A-14.)

- 1 If it is not illuminated in green, press  (**Fax**).
- 2 Press **Menu/Set**, 2, 1, 3.
- 3 Use ▲ or ▼ to select **On**, **Semi** or **Off**.
Press **Menu/Set**.
- 4 Press **Stop/Exit**.

Printing a reduced incoming fax (Auto Reduction)

If you choose **On**, the machine automatically reduces 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 document and your Paper Size setting (**Menu/Set, 1, 3**).

1 If it is not illuminated in green, press  (**Fax**).

2 Press **Menu/Set, 2, 1, 5**.

3 Use **▲** or **▼** to select **On** (or **Off**).

Setup Receive
5.Auto Reduction

Press **Menu/Set**.

4 Press **Stop/Exit**.



■ Turn on this setting if you receive faxes that are split onto two pages. However, if the document is too long the machine may still print it on two pages.

■ If left and right margins are cut off, turn on this setting.

Receiving a fax at the end of a conversation

At the end of a conversation you can ask the other party to fax you information before you both hang up.

1 Ask the other party to place the document in their machine and to press **Start** or **Send** key.

2 When you hear the other machine's CNG tones (beeps), press **Mono Start** or **Colour Start**.

3 If you picked up the handset, replace it.

Printing a fax from the memory

If you have selected Fax Storage (**Menu/Set, 2, 5, 1**), you can still print a fax from the memory when you are at your machine. (See *Setting Fax Storage* on page 6-2.)

- 1** Press **Menu/Set, 2, 5, 3**.
- 2** Press **Mono Start**.

Reception into memory (Monochrome only)

As soon as the paper tray becomes empty during fax reception, the screen will display **No Paper Fed**; please put some paper in the paper tray. (See *How to load paper, envelopes and post cards* on page 1-14.)

If the Memory Receive is On at this time...

The current fax reception will continue, with the remaining page(s) being stored in memory, subject to available memory. Subsequent incoming faxes will also be stored into memory until the memory is full, following this no further incoming fax calls will be automatically answered. To print all data put fresh paper in the paper tray and press **Mono Start** or **Colour Start**.

If the Memory Receive is Off at this time...

The current fax reception will continue, with the remaining page(s) being stored in memory, subject to available memory. Subsequent incoming fax calls will not be automatically answered until fresh paper is put in the paper tray. To print the last fax received, put paper in the paper tray and press **Mono Start** or **Colour Start**.

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set, 2, 1, 6**.
- 3** Use **▲** or **▼** to select **On** (or **Off**).
Press **Menu/Set**.
- 4** Press **Stop/Exit**.

Polling

Polling is the process of retrieving faxes from another fax machine. You can use your machine to 'poll' other machines, or you can have someone poll your machine.

Everyone who is involved in Polling needs to set up their fax machines for Polling. When someone polls your machine to receive a fax, they pay for the call. If you poll someone's fax machine to receive a fax, you pay for the call.



Some fax machines do not respond to the Polling feature.

Secure Polling

Secure Polling is a way to keep your documents and others from falling into the wrong hands while the machine is set up for polling. You can use Secure Polling only with another Brother fax machine. Anyone who polls to receive a fax must enter the polling secure code.

Setup for Polling Receive (Standard)

Polling Receive is when you call another fax machine to receive a fax from it.

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set**, **2**, **1**, **7**.
- 3** Press **▲** or **▼** to select **Standard**.
Press **Menu/Set**.
- 4** Enter the fax number you are polling.
Press **Mono Start** or **Colour Start**.

Setup for Polling Receive with Secure Code

You need to make sure you are using the same secure code as the other party.

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set, 2, 1, 7**.
- 3** Press **▲** or **▼** to select *Secure*.
Press **Menu/Set**.
- 4** Enter a four-digit secure code.
This is the same as the security code of the fax machine you are polling.
Press **Menu/Set**.
- 5** Enter the fax number you are polling.
- 6** Press **Mono Start** or **Colour Start**.

Setup Delayed Polling Receive

You can set the machine to begin Polling Receive at a later time.

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set, 2, 1, 7**.
- 3** Press **▲** or **▼** to select *Timer*.
Press **Menu/Set**.
- 4** Enter the time (in 24-hour format) you want to begin polling.
For example, enter 21:45 for 9:45 PM.
Press **Menu/Set**.
- 5** Enter the fax number you are polling.
Press **Mono Start** or **Colour Start**.

The machine makes the polling call at the time you entered.

 If the other fax machine that you are calling has not been set up for polling, you will receive the message "Connection Fail".

 You can set up only one Delayed Polling.

Sequential Polling

The machine can request documents from several fax machine in a single operation. You just specify several destinations in Step 5. Afterwards, a Sequential Polling Report will be printed.

- 1 If it is not illuminated in green, press  (**Fax**).
 - 2 Press **Menu/Set**, **2**, **1**, **7**.
 - 3 Press **▲** or **▼** to choose *Standard*, *Secure* or *Timer*.
Press **Menu/Set** when the screen displays the setting you want.
 - 4 If you selected *Standard*, go to Step 5.
 - If you selected *Secure*, enter a four-digit number and press **Menu/Set**, and then go to Step 5.
-  If you did not enter the correct Secure Code, you will receive the message "Disconnected".
- If you selected *Timer*, enter the time (in 24-hour format) you want to begin polling and press **Menu/Set**, and then go to Step 5.
- 5 Specify the destination fax machines, which you wish to poll by Speed-Dial, Search, a Group (see *Setting up Groups for Broadcasting* on page 5-3) or the dial pad. You must press **Menu/Set** between each location.
 - 6 Press **Mono Start** or **Colour 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, press **Menu/Set**, **2**, **6**. (See *Cancelling a waiting job* on page 3-10.)

5

Quick-Dial numbers and dialling options

Storing numbers for easy dialling

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



If you lose electrical power, the quick-dial numbers that are in the memory will not be lost.

Storing Speed-Dial numbers

You can store Speed-Dial numbers, so that when you dial you will only have to press a few keys (**Search/Speed Dial**, #, the two-digit number, and **Mono Start** or **Colour Start**). The machine can store 80 Speed-Dial numbers.

- 1** Press **Menu/Set**, **2**, **3**, **1**.
- 2** Use the dial pad to enter a two-digit Speed-Dial location number (01-80).
(For example, press **05**.)
Press **Menu/Set**.
- 3** Enter the phone or fax number (up to 20 digits).
Press **Menu/Set**.
- 4** Use the dial pad to enter the name (up to 15 characters).
Press **Menu/Set**.
(You can use the chart on page B-14 to help you enter letters.)
—OR—
Press **Menu/Set** to store the number without a name.
- 5** Go to Step 2 to store another Speed-Dial number.
—OR—
Press **Stop/Exit**.

Changing Speed-Dial numbers

If you try to store a Speed-Dial number where a number has already been stored, the LCD will show the name that has been stored there (or number) and will ask you to do one of the following:

- 1 Press **1** to change the stored number.

05:Mike 1.Change 2.Exit

—OR—

Press **2** to exit without making a change.

How to change the stored number or name:

- If you want to change a character, use ◀ or ▶ to position the cursor under the character you want to change, and then type over it.
- If you want to erase the whole number or whole name, press **Stop/Exit** when the cursor is under the first digit or letter. The characters above and to the right of the cursor will be deleted.

- 2 Enter a new number.

Press **Menu/Set**.

- 3 Follow the directions beginning at Step 4 in Storing Speed-Dial numbers. (See page 5-1.)

Setting up Groups for Broadcasting

Groups allow you to send the same fax message to many fax numbers by pressing only a few keys (**Search/Speed Dial**, **#**, the two-digit number, and **Mono Start**). First, you'll need to store each fax number as a Speed-Dial number.

Then, you can combine them into a Group. Each Group uses up a Speed-Dial number. You can have up to six Groups, or you can assign up to 79 numbers to one large Group.

(See *Storing Speed-Dial numbers* on page 5-1 and *Broadcasting (Monochrome only)* on page 3-11.)

- 1** Press **Menu/Set**, **2**, **3**, **2**.

Set Quick-Dial
2.Setup Groups

- 2** Use the dial pad to enter the two-digit Speed-Dial number where you want to store the Group.

Setup Groups
Speed-Dial? #

Press **Menu/Set**.

(For example, press **07** and **Menu/Set**.)



Please select a Speed-Dial number that has not already been used to store a number.

- 3** Use the dial pad to enter the Group number (1 to 6).

Setup Groups
Setup Group:G01

Press **Menu/Set**.

(For example, press **1** for Group 1.)



The Group number must be between 1 and 6.

- 4** To include Speed-Dial numbers in the Group, press them as follows:

Setup Groups
G01:#05#09

For example, for Speed-Dial numbers 05 and 09. Press **Search/Speed Dial**, **05**, **Search/Speed Dial**, **09**. The LCD shows: #05#09.

- 5** Press **Menu/Set** to accept the Speed-Dial numbers for this Group.

6 Use the dial pad and the chart on page B-14 to enter a name for the Group.

Press **Menu/Set**.

(For example, type NEW CLIENTS).

7 Press **Stop/Exit**.



You can print a list of all the Speed-Dial numbers. Group numbers will be marked in the GROUP column.

(See *Printing reports* on page 8-3.)

Dialling options



For information on how to dial, see *How to dial* on page 3-1.

Access codes and credit card 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 or long-distance carriers and credit card numbers as Speed-Dial numbers. You can store these long dialling sequences by dividing them and setting them up as separate Speed-Dial numbers in any combination. You can even include manual dialling using the dial pad. (See *Storing Speed-Dial numbers* on page 5-1.)

For example, perhaps you have stored '555' on Speed-Dial #03 and '7000' on Speed-Dial #02. If you press **Search/Speed Dial, #03, Search/Speed Dial, #02**, and **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 **Search/Speed Dial, #03** and then press **7001** using the dialling pad.



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

Pause

Press **Redial/Pause** to insert 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.

Tone or Pulse (Not available in New Zealand)

If you have a Pulse dialling service, but need to send Tone signals (for example, for telephone banking), follow the instructions below. If you have Touch Tone service, you will not need this feature to send tone signals.

- 1** Lift the handset.
- 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.

Telephone (voice) operation

You can use the machine to make voice telephone calls by dialling manually or by using Search or Speed-Dial memory. You can use the handset or **Speaker Phone** to make and receive calls.

When you dial a Quick-Dial number, the LCD shows the name you've stored, or if you haven't stored a name, the fax number you've stored.

How to dial

See *How to dial* on page 3-1.

Making a telephone call

- 1** Pick up the handset.
—OR—
Press **Speaker Phone**.
- 2** When you hear a dial tone, dial the number using the dial pad, Speed-Dial and Search.
- 3** If you pressed **Speaker Phone**, speak clearly toward the microphone .
- 4** To hang up, replace the handset.
—OR—
Press **Speaker Phone**.

Answering calls with the Speaker Phone

When the machine rings, instead of lifting the handset, press **Speaker Phone**. Speak clearly, toward the microphone . To end the call, press **Speaker Phone**.

If you have a bad telephone line connection, the other party might hear your voice echoed during the call. Hang up and try the call again—**OR**—Pick up the handset.

Mute

- 1** Press **Hold/Recall** to put a call on Hold.
- 2** You can replace the handset without disconnecting the call. Pick up the machine handset or press **Speaker Phone** to release the call from Hold. Picking up an extension handset will not release the call from Hold.

6

Remote Fax Options (Monochrome only)

Setting up Fax Forwarding

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

1 Press **Menu/Set**, **2**, **5**, **1**.

2 Press **▲** or **▼** to select **Fax Forward**.

Press **Menu/Set**.

The LCD will ask you to enter the fax number to which faxes will be forwarded.

3 Enter the forwarding number (up to 20 digits).

Press **Menu/Set**.

4 Press **▲** or **▼** to select **Backup**

Print:On or **Backup Print:Off**.

Fax Forward
Backup Print:On

Press **Menu/Set**.



■ If you select **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. The machine can store faxes up to 24 hours if there is a power failure.

■ If Fax forwarding is turned on your machine can not receive a colour fax unless the sending machine converts it to monochrome.

5 Press **Stop/Exit**.

Setting Fax Storage

If you select 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.

- 1** Press **Menu/Set, 2, 5, 1**.
- 2** Press **▲** or **▼** to select **Fax Storage**.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.



- If you have set Fax Storage, a backup copy of the received fax will automatically be printed at the machine.
- If Fax Storage is turned on your machine can not receive a colour fax unless the sending machine converts it to monochrome.

Setting 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 at the weekend, for example), your machine will receive and store your faxes in its memory. The LCD will show the number of stored faxes received, for example:

PC-FAX Msg:001

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 select **Backup Print:On** the machine will also print the fax.

- 1** Press **Menu/Set, 2, 5, 1**.
- 2** Press **▲** or **▼** to select **PC Fax Receive**.
Press **Menu/Set**.
- 3** Press **▲** or **▼** to select your PC you want to receive to.
Press **Menu/Set**.

- 4 Press **▲** or **▼** to select Backup
Print:On or Backup Print:Off

PC Fax Receive
Backup Print:On

Press **Menu/Set**.

- 5 Press **Stop/Exit**.



- PC Fax Receive is not supported in the Mac OS®.
- In the event of a power failure, the machine will store your faxes in the memory for up to 24 hours. However, if you select 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.
- 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 *Brother PC-FAX software* on page 6-1 in Software User's Guide on the CD-ROM.)
- If you get an error message and the machine cannot print the faxes in memory, you can use this setting to transfer your faxes to your PC. (For details, see *Error messages* on page 13-1.)
- When PC Fax Receive is turned on only monochrome faxes can be received into the memory and sent to the PC. Colour faxes will be received in real time and printed in colour.

Changing your PC

- 1 Press **Menu/Set**, 2, 5, 1.
- 2 Press **▲** or **▼** to select PC Fax Receive.

Press **Menu/Set**.

- 3 To change your PC, press 1.

- 4 Press **▲** or **▼** to select your PC you want to receive.

xxxxxxx
1.Change 2.Exit

Press **Menu/Set**.

- 5 Press **▲** or **▼** to select Backup
Print:On or Backup Print:Off

PC Fax Receive
Backup Print:On

Press **Menu/Set**.

- 6 Press **Stop/Exit**.



Make sure that you run **PC Fax Receiving**. (See *Running PC-Fax receiving software on your PC* in the Software User's Guide.)

Turning off Remote Fax Options

1 Press **Menu/Set**, **2**, **5**, **1**.

2 Press **▲** or **▼** to select **Off**.

Press **Menu/Set**.



If you set the remote fax options to **Off** and received faxes are left in your machine's memory, further LCD messages appear after Step 3. (See *Changing Remote Fax Options*)

3 Press **Stop/Exit**.

Changing Remote Fax Options

If received faxes are left in your machine's memory when you change from **PC Fax Receive** to another remote fax option (**Fax Forward** or **Fax Storage**), the LCD will ask you the following message:

Erase All Doc?
1.Yes 2.No

—OR—

Print All Fax?
1.Yes 2.No

- 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 remote fax option (**Fax Forward** or **Fax Storage**), the LCD will ask you the following message:

Send Fax to PC?
1.Yes 2.No

- If you press **1**, faxes in the memory will be sent to your PC before the setting changes.
- If you press **2**, faxes in the memory will not be erased or transferred to your PC and the setting will be unchanged.

Setting your Remote Access Code

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

1 Press **Menu/Set**, **2**, **5**, **2**.

2 Enter a three-digit code using numbers **0-9**, ***** or **#**.
Press **Menu/Set**. (The preset '*****' cannot be changed.)

 Do not use the same code used for your Fax Receive Code [*** 51**(*** 91** for New Zealand)] or Telephone Answer Code [**# 51**(**# 91** for New Zealand)].
(See *Operation from extension telephones* on page A-14.)

3 Press **Stop/Exit**.

 You can change your code at any time by entering a new one.
If you want to make your code inactive, press **Stop/Exit** in Step 2 to restore the inactive setting (--- *).

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.

Using your Remote Access Code

- 1** Dial your fax number from a telephone or another fax machine using touch tone.
- 2** When your machine answers, during a period of silence enter your Remote Access Code (3 digits followed by *).
- 3** The machine signals if it has received messages:
 - 1 long beep — Fax messages**
 - 2 long beeps — Voice messages**
 - 3 long beeps — Fax & Voice messages**
 - No long beeps — No messages**
- 4** The machine gives two short beeps to tell you to 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 reset the machine when you've finished.
- 6** Hang up.



If your machine is set to **Manual** mode and you want to use the remote retrieval features, you can access your machine by waiting about 2 minutes after it starts ringing, and then entering the Remote Access Code within 30 seconds.

Remote 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
91 Playing Voice Messages		After one long beep, the machine plays the ICM.
1 Repeat or Skip Backward	2 Skip Forward	Press 1 while listening to an ICM to repeat it. If you press 1 before a message, you will hear the previous message.
	9 STOP Playing	While playing the ICM, you can skip to the next message.
		Stop playing the ICM.
93 Erase all ICM		If you hear one long beep, the erase is accepted. If you hear three short beeps, you cannot erase because all voice messages have not been played, or there are no voice message to erase. * This code erases all recorded messages, not one at a time.
94 Play and Record OGM in Memory		
1 Play	1 TAD Message	The machine plays the selected OGM. You can stop playing OGMs by pressing 9 .
	2 F/T Message	
2 Record	1 TAD Message	After one long beep, you can record the selected OGM. You will hear the message played once. You can stop recording the message by pressing 9 .
	2 F/T Message	

Remote commands		Operation details
95	Change the Fax Forwarding or Fax Storage settings	
	1 OFF	You can select <code>OFF</code> after you have retrieved or erased all your messages.
	2 Fax Forwarding	If you hear one long beep, the change has been accepted. If you hear three short beeps, you cannot change it because the conditions have not been met (for example, registering a Fax Forwarding number). You can register your Fax Forwarding number by entering 4. (See <i>Changing your Fax Forwarding number</i> on page 6-9.) 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 message(s). (See page 6-9.)
	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	You can check whether your machine has received any fax or voice messages. If yes, you will hear one long beep. If no, you will hear three short beeps.
	1 Document	
	2 Voice	
98	Change the Receive Mode	If you hear one long beep, your change has been accepted.
	1 TAD	
	2 Fax/Tel	
	3 Fax Only	
90	Exit	Pressing 9 0 will allow 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 phone and have your fax messages sent to a machine.

- 1** Dial your machine.
 - 2** When your machine answers, during a period of silence enter your Remote Access Code (3 digits followed by *). If you hear one long beep, you have messages.
 - 3** As soon as you hear two short beeps, use the dial pad to press **9 6 2**.
 - 4** Wait for the long beep, and then use the dial pad to enter the number of the remote fax machine where you want your fax messages sent to followed by **##** (up to 20 digits).
-  You cannot use * and # as dial numbers. However, press # if you want to store a pause.
- 5** Hang up after you hear your machine beep. Your machine will call the other 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 telephone or fax machine using touch tone.

- 1** Dial your fax number.
 - 2** When your machine answers, immediately enter your Remote Access Code (3 digits followed by *). If you hear one long beep, you have messages.
 - 3** When you hear two short beeps, use the dial pad to press **9 5 4**.
 - 4** Wait for the long beep, and then use the dial pad to enter the new number of the remote fax machine where you want your fax messages forwarded followed by **##** (up to 20 digits).
-  You cannot use * and # as dial numbers. However, press # if you want to store a pause.
- 5** Hang up after you hear your machine beep.

TAD (Telephone Answering Device)

TAD mode

TAD mode lets you store incoming voice messages. The machine can store up to 99 messages; however, the maximum number of messages the machine can store depends on how long each message is. The machine has a total of 29 minutes recording memory available, meaning that the shorter each message is, the more messages it can store. You can pre-set how much recording memory each message uses (see *Setting Maximum Time for incoming messages* on page 7-6).

Setting up the TAD

You must set up the TAD in the following order:

- 1** Record TAD Outgoing Message (Msg Ctr OGM).
(See *Recording TAD Outgoing Message* on page 7-2.)
- 2** Press and hold  until it lights to activate the TAD mode.
(See *Activating TAD mode* on page 7-3 and *Message indicator* on page 7-3.)

Recording TAD Outgoing Message

Recording the TAD Outgoing Message (Msg Ctr OGM) is the first step you need to follow before you can turn on the TAD. Make sure your OGM is less than 20 seconds long.

1 Press **Menu/Set, 2, 7, 1**.

The LCD prompts you to choose an OGM.

2 Press **▲** or **▼** to select **Msg Ctr OGM** (or **F/T OGM**).

Press **Menu/Set**.

 **This is the only setting you can select if you want to turn on the TAD.**

3 Press **▲** or **▼** to select **Record MSG**.

Press **Menu/Set**.

4 Pick up the handset to record a message.

For example: Hello. We are unable to take your call at this time.
Please leave a message after the signal.

5 Replace the handset.

The TAD will play your OGM.

6 Press **Stop/Exit**.

Listening to Outgoing Message (OGM)

1 Press **Menu/Set, 2, 7, 1**.

2 Press **▲** or **▼** to select **Msg Ctr OGM** (or **F/T OGM**).

Press **Menu/Set**.

3 Press **▲** or **▼** to select **Play MSG**.

Press **Menu/Set**.

Adjust the volume by pressing Volume **◀** or **▶**.

4 Press **Stop/Exit**.

Erasing Outgoing Message (OGM)

- 1** Press **Menu/Set, 2, 7, 1**.
- 2** Press **▲** or **▼** to select **Msg Ctr OGM** (or **F/T OGM**).
Press **Menu/Set**.
- 3** Press **▲** or **▼** to select **Erase MSG**.
Press **Menu/Set**.
- 4** Press **1** to erase the OGM.
—OR—
Press **2** to exit without erasing.
- 5** Press **Stop/Exit**.

Activating TAD mode

Press and hold  until it lights and the LCD shows. When  light is out, the TAD is OFF.

(See *Setting up the TAD* on page 7-1.)

TAD:Msg Mgr

Message indicator

The  light flashes when you have *new* voice messages waiting for your review.

The LCD displays the total number of voice and fax messages stored in the TAD memory.

Voice:03 Fax:00



Fax messages will be stored only when Fax Storage is turned on (**Menu/Set, 2, 5, 1**).

Playing voice messages

Follow the steps below to listen to voice messages:

1 Press Play/Record.

Adjust the Volume by pressing  or .

All messages are played in the order they were recorded. The LCD shows the number of the current message, and the total number of messages.

During playback, the LCD shows the time and date the message was recorded.

2 Press * (RWD) at the end of the message to repeat a message. Press # (FWD) to skip to the next message. You can press * and # repeatedly until you reach the message you want to play.

3 Press Stop/Exit.

Printing a fax message

Once you print a new fax message stored in memory, it is erased from the memory automatically.

1 Press Play/Record.

After two seconds, the fax machine begins to play voice messages.

2 If the Fax Storage is on and there are fax messages in memory, the LCD shows:

3 To print the faxes, press 1.

—OR—

Press **2** to exit without printing.

Print Fax? 1.Yes 2.No

Erasing incoming messages

You can erase voice messages individually, or all at once.

To erase voice messages individually

- 1 Press **Play/Record**.

The machine sounds a two-second beep and begins message playback. Each message is preceded by one long beep, and followed by two short beeps.

- 2 To erase a specific message, press **Erase** immediately after the two short beeps, or while the message is playing.

Erase this Msg.?
1.Yes 2.No

- 3 Press **1** to erase the message.

—OR—

Press **2** to cancel.

- 4 Press **Stop/Exit**.

To erase messages all at once

- 1 Press **Erase**.

- 2 Press **▲** or **▼** to select erasing all voice messages (Erase All Voice?), all document messages (Erase All Doc?), or all voice and fax messages (Erase All Msg.?).

Select ▲▼ & Set
Erase All Voice?

Press **Menu/Set**.

- 3 Press **1** to erase.

—OR—

Press **2** to cancel.

- 4 Press **Stop/Exit**.

Setting Maximum Time for incoming messages

Your machine comes set to receive voice messages up to 30 seconds long. You can change this setting to 60, 120 or 180 seconds.

- 1** Press **Menu/Set, 2, 7, 2.**
- 2** Press **▲** or **▼** to select the maximum time setting for incoming messages (30, 60, 120 or 180 seconds).
Press **Menu/Set.**
- 3** Press **Stop/Exit.**

Setting Toll Saver

See *Setting Toll Saver (TAD mode)* on page 4-4.

ICM Recording Monitor

This feature lets you turn the speaker volume for voice messages **On** or **Off**. When you turn the monitor **Off**, you will not hear messages as they come in.

- 1** Press **Menu/Set, 2, 7, 3.**
- 2** Use **▲** or **▼** to select **Off** (or **On**).
Press **Menu/Set.**
- 3** Press **Stop/Exit.**

Recording a conversation

If you are using the handset, you can record a telephone conversation by pressing **Play/Record** during the conversation. Your recording can be as long as the Incoming Message Maximum Time. The other party will hear an intermittent beep while recording. To stop recording, press **Stop/Exit**.

Record Fax/Tel Outgoing Announcement (F/T OGM)

This is the announcement played by your Brother machine (not an external TAD) when someone calls and your machine is set to Fax/Tel receive mode. *Although callers hear your announcement, they cannot leave a message.* By choosing F/T OGM (not Msg Ctr OGM) you can record the announcement using the same steps as for the TAD outgoing message. (See *Recording TAD Outgoing Message* on page 7-2.) You can also listen to and erase the F/T Message the same way, by choosing F/T OGM (not Msg Ctr OGM). (See *Listening to Outgoing Message (OGM)* on page 7-2 and *Erasing Outgoing Message (OGM)* on page 7-3.)

If you need to review the steps for setting up the Fax/Tel receive mode, see Chapter 4.

Fax settings and activity

You need to set up the Transmission Verification Report and Journal Period in the menu table.

Press **Menu/Set, 2, 4, 1.**

—OR—

Press **Menu/Set, 2, 4, 2.**

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



When the Verification Report is turned **Off** or **Off+Image**, the Report will only print if there is a transmission error, with **NG** in the **RESULT** column.

- 1** Press **Menu/Set, 2, 4, 1.**
- 2** Press **▲** or **▼** to select **Off+Image, On, On+Image** or **Off.**
Press **Menu/Set.**
- 3** Press **Stop/Exit.**

Setting the Journal Period

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 print the report by following the steps on the next page.

The default setting is **Every 50 Faxes**.

1 Press **Menu/Set, 2, 4, 2**.

Report Setting 2.Journal Period

2 Press **▲** or **▼** to choose an interval.

Press **Menu/Set**.

(If you choose 7 days, the LCD will ask you to choose a day on which to begin the 7-day countdown.)

3 Enter the time to begin printing in 24-hour format.

Press **Menu/Set**.

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

4 Press **Stop/Exit**.



If you select 6, 12, 24 hours, 2 or 7 days, the machine will print the report at the selected time and then erase all jobs from its memory. If the machine's memory becomes full with 200 jobs before the time you selected has passed, the machine will print the Journal early and then erase all jobs from memory. If you want an extra report before it is due to print, you can print it without erasing the jobs from memory.



If you select **Every 50 Faxes**, the machine will print the Journal when the machine has stored 50 jobs.

Printing reports

Following reports are available:

- | | |
|------------------|---|
| 1.XMIT Verify | Prints a Transmission Verification Report for your last transmission. |
| 2.Help List | Prints the Help List so you can see at-a-glance how to quickly program your machine. |
| 3.Quick-Dial | Lists names and numbers stored in the Speed-Dial memory, in numerical order. |
| 4.Fax Journal | Lists information about the last incoming and outgoing faxes.
(TX means Transmit.) (RX means Receive.) |
| 5.User Settings | Lists your settings. |
| 6.Network Config | Lists your Network settings. |

How to print a report

1 Press **Menu/Set**, **6**.

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

Press **Menu/Set**.

—OR—

Enter the number of the report you want to print.

For example, press **2** to print the Help List.

3 Press **Mono Start**.

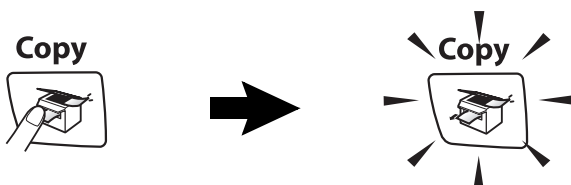
9 Making copies

Using the machine as a copier

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

Enter Copy mode

Before making copies, make sure that  (**Copy**) is illuminated in green. If it is not, press  (**Copy**) to enter **Copy** mode. The default setting is Fax. You can change the number of seconds or minutes that the machine stays in Copy mode. (See *Setting the Mode Timer* on page 2-4.)



The LCD shows the default copy setting

Plain		A4
100%	Normal	01
Copy Ratio	Quality	No of Copies

Making a single copy

1 Press  (**Copy**) to illuminate it in green.

2 Load your document.

(See *Load documents* on page 1-6.)

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

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

Making multiple copies

1 Press  (**Copy**) to illuminate it in green.

2 Load your document.

3 Use the dial pad to enter the number of copies you want (up to 99).

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

 To sort the copies, press the **Copy Options** key. (See *Using the Copy Options key* on page 9-3.)

Stop copying

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

Using the Copy Options key

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



The machine returns to its default settings after 60 seconds, or if the Mode Timer returns the machine to Fax mode. (See *Setting the Mode Timer* on page 2-4.)



You can save the copy settings you use most often by setting them as default. (See *Changing the default copy settings* on page 9-13.)

Changing the temporary copy settings

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

Press 	Menu Selections  →  ▼ select	Options  →  ▼ select	Factory Setting	Page
	Quality	Fast/Normal/Best	Normal	9-5
	Enlarge/Reduce	50%/69%/78%/83%/93%/97%/100%/104%/142%/186%/198%/200%/Custom (25-400%)	100%	9-6
	Paper Type	Plain/Inkjet/Glossy/Transparency	Plain	9-7
	Paper Size	Letter/Legal/A4/A5/10 (W) x 15 (H) cm	A4	9-8
	Brightness	- □ □ □ □ +	- □ □ □ □ +	9-8
	Stack/Sort	Stack/Sort	Stack	9-9
	Page Layout	Off (1 in 1)/2 in 1 (P)/2 in 1 (L)/4 in 1 (P)/4 in 1 (L)/Poster (3 x 3)	Off (1 in 1)	9-10
	No. of Copies	No. of Copies:01 (01-99)	01	

After you choose your settings by pressing **Menu/Set**, the LCD shows Set temporarily.

Press **Mono Start** or **Colour Start** if you're finished choosing settings.

—OR—

Press ▲ or ▼ to select more settings.

Increasing copy speed or quality

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

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

- 1 Press  (**Copy**) to illuminate it in green.
- 2 Load your document.
- 3 Use the dial pad to enter the number of copies you want (up to 99).
- 4 Press **Copy Options** and ▲ or ▼ to select `Quality`.
- 5 Press ▲ or ▼ to choose the copy quality (`Fast`, `Normal` or `Best`).
Press **Menu/Set**.
- 6 Press **Mono Start** or **Colour Start**.

Enlarging or reducing the image copied

You can select the following enlargement or reduction ratios.

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

Press Copy Options Copy Options  and  or  to select Enlarge/Reduce	Custom (25-400%)
	200%
	198% 10x15cm→A4
	186% 10x15cm→LTR
	142% A5→A4
	104% EXE→LTR
	100%
	97% LTR→A4
	93% A4→LTR
	83% LGL→A4
	78% LGL→LTR
	69% A4→A5
	50%

- 1 Press  (**Copy**) to illuminate it in green.
- 2 Load your document.
- 3 Use the dial pad to enter the number of copies you want (up to 99).
- 4 Press **Copy Options** and  or  to select Enlarge/Reduce. Press **Menu/Set**.
- 5 Press  or  to select the enlargement or reduction ratio you want. Press **Menu/Set**.
- OR—

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

Use the dial pad to enter an enlargement or reduction ratio from 25% to 400%.

Press **Menu/Set**.

(For example, press **5 3** to enter 53%.)

- 6 Press **Mono Start** or **Colour Start**.



Page layout options are not available with Enlarge/Reduce.

Setting paper type

If you are copying on special paper, be sure to select the type of paper you are using so you will get the best print quality.

- 1** Press  (**Copy**) to illuminate it in green.
 - 2** Load your document.
 - 3** Use the dial pad to enter the number of copies you want (up to 99).
 - 4** Press **Copy Options** and ▲ or ▼ to select Paper Type.
Press **Menu/Set**.
 - 5** Press ▲ or ▼ to select the type of paper you are using (Plain, Inkjet, Glossy or Transparency).
Press **Menu/Set**.
 - 6** Press **Mono Start** or **Colour Start**.
-  You can change the default Paper Type setting at any time.
(See *Setting the Paper Type* on page 2-5.)

Setting paper size

If copying on paper other than A4 size, you will need to change the paper size setting.



You can copy on Letter, Legal, A4, A5 or Photo Card (10(W) cm x 15(H) cm) paper.

- 1 Press  (**Copy**) to illuminate it in green.
- 2 Load your document.
- 3 Use the dial pad to enter the number of copies you want (up to 99).
- 4 Press **Copy Options** and ▲ or ▼ to select **Paper Size**. Press **Menu/Set**.
- 5 Press ▲ or ▼ to select the size of paper you are using (Letter, Legal, A4, A5 or 10 (W) x 15 (H) cm). Press **Menu/Set**.
- 6 Press **Mono Start** or **Colour Start**.

Adjusting brightness

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

- 1 Press  (**Copy**) to illuminate it in green.
- 2 Load your document.
- 3 Use the dial pad to enter the number of copies you want (up to 99).
- 4 Press **Copy Options** and ▲ or ▼ to select **Brightness**. Press **Menu/Set**.
- 5 Press ▲ to make a lighter copy.
—OR—
Press ▼ to make a darker copy.
Press **Menu/Set**.
- 6 Press **Mono Start** or **Colour Start**.

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**) to illuminate it in green.
- 2** Load your document.
- 3** Use the dial pad to enter the number of copies you want (up to 99).
- 4** Press **Copy Options** and ▲ or ▼ to select *Stack/Sort*.
Press **Menu/Set**.
- 5** Press ▲ or ▼ to select *Sort*.
Press **Menu/Set**.
- 6** Press **Mono Start** or **Colour Start**.

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

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



■ Please make sure Paper Size is set to A4 or Letter.

■ You can use N in 1 copy feature with 100% copy size only.

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

1

Press  (**Copy**) to illuminate it in green.

2

Load your document.

3

Use the dial pad to enter the number of copies you want (up to 99).

4

Press **Copy Options** and ▲ or ▼ to select Page Layout.
Press **Menu/Set**.

5

Press ▲ or ▼ to select 2 in 1 (P), 2 in 1 (L),
4 in 1 (P), 4 in 1 (L) or Poster (3 x 3).
Press **Menu/Set**.

6

Press **Mono Start** or **Colour Start** to scan the document.

7

If you are making a poster or placed the document in the ADF, the machine scans the page and starts printing.

If you are using the scanner glass:

- 8** After the machine scans the page, the LCD shows:

Next Page?
1.Yes 2.No

Press **1** to scan the next page.

- 9** Put the next document on the scanner glass.

Set Next Page
Then Press Set

Press **Menu/Set**.

Repeat Steps 8 and 9 for each page of the layout.

- 10** After all the pages of the document have been scanned, press **2** to end.



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



■ If you are producing multiple colour copies, N in 1 copies are not available.

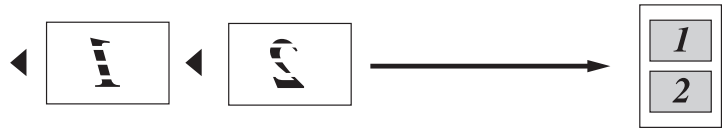
■ For Poster copies, you cannot make more than one copy.

Place each page face *down* in the direction and sequence shown below.

2 in 1 (P)



2 in 1 (L)



4 in 1 (P)

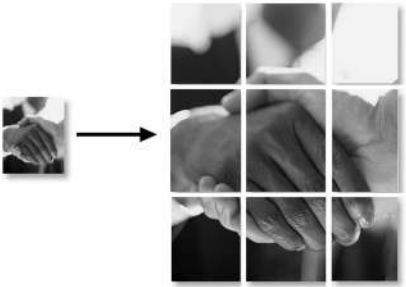


4 in 1 (L)



Poster (3X3)

You can make a poster size copy of a photograph.



Changing the default copy settings

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

Increasing copy speed or quality

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

Adjusting brightness

- 1** Press **Menu/Set**, **3**, **2**.
- 2** Press **▲** to make a lighter copy.
—OR—
Press **▼** to make a darker copy.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Adjusting contrast

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

- 1** Press **Menu/Set**, **3**, **3**.
- 2** Press **▲** to increase the contrast.
—OR—
Press **▼** to decrease the contrast.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Adjusting colour saturation

Colour saturation can only be changed through the default settings.

1 Press **Menu/Set**, **3**, **4**.

2 Press **▲** or **▼** to select Red, Green or Blue.

Press **Menu/Set**.

3 Press **▲** to increase the colour saturation.

—OR—

Press **▼** to decrease the colour saturation.

Press **Menu/Set**.

4 Return to Step 2 to select the next colour.

—OR—

Press **Stop/Exit**.

Legal limitations

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

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

- Money
- Bonds or other certificates of debt
- Certificates of Deposit
- Service or Draft papers of the Armed Forces
- Passports
- Postage Stamps (cancelled or uncanceled)
- Immigration Papers
- Welfare documents
- Cheques or Monetary Drafts drawn by Governmental Agencies
- Documents, badges or insignias of identification
- Licences and Certificates of Title to motor vehicles

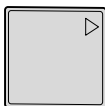
Works subject to Copyright cannot be copied. Sections of works subject to Copyright can be copied for 'fair use.' Multiple copies would indicate improper use.

Works of art should be considered as works subject to Copyright.

10 Walk-Up PhotoCapture Center™

Introduction

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



CompactFlash®
(Type I only)



SmartMedia®



Memory Stick®
Memory Stick Pro™



SecureDigital™
MultiMediaCard™



xD-Picture Card™

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



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

PhotoCapture Center™ requirements

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

- The DPOF file on the media card must be in a DPOF format. (For camera which supports DPOF format, see *DPOF printing* on page 10-8.)
- The image file extension must be .JPG (Other image file extensions .JPEG, .TIF, .GIF and so on will not be recognized).
- Walk-up PhotoCapture Center™ printing must be performed separately from PhotoCapture Center™ operations using the PC. (Simultaneous operation is not available.)
- IBM Microdrive™ is not compatible with the machine.
- The machine can read up to 999 files in a media card.
- Use only Smart media cards with a 3.3v voltage rating.
- CompactFlash® Type II is not supported.
- xD-Picture Card™ Type M (Large Capacity) is supported.



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

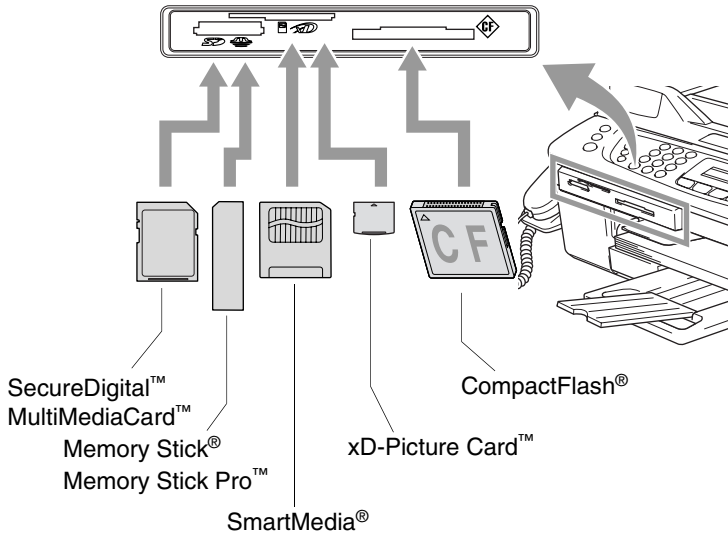


Your machine is designed to read media cards that have been formatted by a digital camera.

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

Getting started

Firmly insert the card into the appropriate slot.

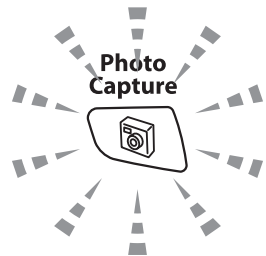


PhotoCapture key indications:

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



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



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

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

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

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

C.Flash Active
Press PhotoCapture key...



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

- 2 Press  (**PhotoCapture**).

If your digital camera supports DPOF printing, see *DPOF printing* on page 10-8.

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

Press **▲** or **▼** to select **Print Index** and then press **Menu/Set**.

Press **Colour Start** to start printing the index sheet.
(See *Printing the Index (Thumbnails)* on page 10-5.)

- 4 To print images, press **▲** or **▼** to select **Print Images** and then press **Menu/Set**.

Enter the image number and press **Menu/Set**.

Press **Colour Start** to start printing.

(See *Printing images* on page 10-6.)



You can change the settings for printing images, such as the Paper Type & Paper Size, Print Size and number of copies.

(See *Printing images* on page 10-6.)

Printing the Index (Thumbnails)

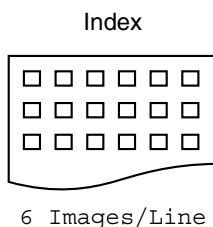
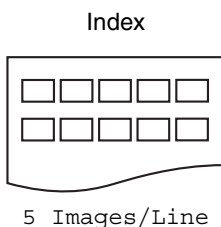
The PhotoCapture Center™ assigns numbers for images (such as No.1, No.2, No.3, and so on).



➔ No. 1 01.01.2003
DEI.JPG 100KB

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

- 1 Make sure you have inserted the media card.
Press  (**PhotoCapture**). (See page 10-3.)
- 2 Press **▲** or **▼** to select **Print Index**.
Press **Menu/Set**.
- 3 Press **▲** or **▼** to select **6 Images/Line** or **5 Images/Line**.
Press **Menu/Set**.



- 4 Press **Colour Start** to start printing.
-  Print time for 5 Images/Line will be slower than 6 Images/Line, but the quality is better. To print an image, see *Printing images* on page 10-6.

Printing images

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

1 Print the Index first.
(See *Printing the Index (Thumbnails)* on page 10-5.)

2 Make sure you have inserted the media card.

Press  (**PhotoCapture**).

3 Press **▲** or **▼** to choose **Print Images**.

Press **Menu/Set**.

 If your media card contains valid DPOF information, the LCD shows **DPOF Print: Yes**, please go to *DPOF printing* on page 10-8.

4 Use the dial pad to enter the image number that you want to print from the Index page (Thumbnails).

Enter Image No.
No.: 1, 3

Press **Menu/Set**.

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

 You can enter all the numbers at one time by using the ***** key for a comma or the **#** key for 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).

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

—OR—

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

Paper Type & Paper Size

6 Press **▲** or **▼** to select the type of paper you are using, Letter Glossy, 10x15cm Glossy, 13x18cm Glossy, A4 Glossy, Letter Plain, A4 Plain, Letter Inkjet, A4 Inkjet or 10x15cm Inkjet.

Press **Menu/Set**.

If you selected Letter or A4, go to Step 7.

If you selected another size, go to Step 8.

—OR—

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

Print Size

7 If you selected Letter or A4, press **▲** or **▼** to select the print size (10 x 8cm, 13 x 9cm, 15 x 10cm, 18 x 13cm, 20 x 15cm or Max. Size).

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

—OR—

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

Printed Position for A4 paper

①	②	③	④	⑤	⑥
10 x 8cm	13 x 9cm	15 x 10cm	18 x 13cm	20 x 15cm	Max. Size
					

Number of Copies

8 Use the dial pad to enter the number of copies you want.

Press **Menu/Set**.

9 Press **Colour Start** to print.



The settings that you want to use with the card will be kept until you take out the media card from the drive (slot), print images, press **Stop/Exit** or until the Mode Timer returns the machine to Fax mode.

DPOF printing

DPOF stands for Digital Print Order Format.

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

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

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

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

C.Flash Active
Press PhotoCapture key...



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

- 2 Press  (**PhotoCapture**).
- 3 Press **▲** or **▼** to select Print Images.

Press **Menu/Set**.

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

Select **▲▼** & Set
DPOF Print:Yes ◆

- 5 Press **▲** or **▼** to select
DPOF Print:Yes.

Press **Menu/Set**.

- 6 Press **▲** or **▼** to select Letter Glossy, 10x15cm Glossy, 13x18cm Glossy, A4 Glossy, Letter Plain, A4 Plain, Letter Inkjet, A4 Inkjet or 10x15cm Inkjet.

Press **Menu/Set**.

If you selected Letter or A4, press **▲** or **▼** to select the print size (10 x 8cm, 13 x 9cm, 15 x 10cm, 18 x 13cm, 20 x 15cm or Max. Size).

Press **Menu/Set**.

- 7 Press **Colour Start** to print.

Changing the default settings

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

Increasing print speed or quality

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

Setting the paper & size

- 1** Press **Menu/Set, 4, 2.**
- 2** Press **▲** or **▼** to select Letter Glossy, 10x15cm Glossy, 13x18cm Glossy, A4 Glossy, Letter Plain, A4 Plain, Letter Inkjet, A4 Inkjet or 10x15cm Inkjet.
Press **Menu/Set.**
If you selected Letter or A4, press **▲** or **▼** to select the print size (10 x 8cm, 13 x 9cm, 15 x 10cm, 18 x 13cm, 20 x 15cm or Max. Size).
Press **Menu/Set.**
- 3** Press **Stop/Exit.**

Adjusting brightness

- 1** Press **Menu/Set, 4, 3.**
- 2** Press **▲** to make a lighter print.
—OR—
Press **▼** to make a darker print.
Press **Menu/Set.**
- 3** Press **Stop/Exit.**

Adjusting contrast

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

- 1** Press **Menu/Set**, **4**, **4**.
- 2** Press **▲** to increase the contrast.
—OR—
Press **▼** to decrease the contrast.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Colour enhancement

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

- 1** Press **Menu/Set**, **4**, **5**.
- 2** Press **▲** or **▼** to select **On**.
Press **Menu/Set**.
—OR—
Select **Off** and press **Menu/Set**, then go to Step 5.



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

- 3** Press **▲** or **▼** to select 1. White Balance, 2. Sharpness or 3. Color Density.
Press **Menu/Set**.
- 4** Press **▲** or **▼** to adjust the degree of the setting.
Press **Menu/Set**.
- 5** Press **Stop/Exit**.

■ **White Balance**

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

■ **Sharpness**

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

■ **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.

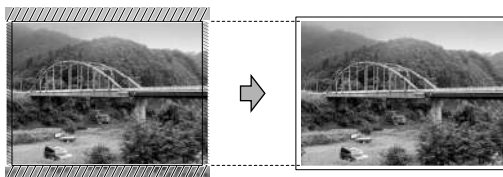
Cropping

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

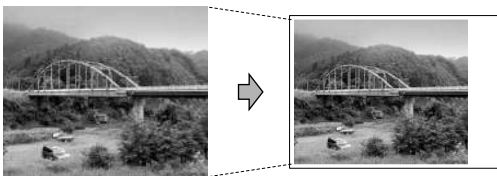
The default setting is **On**. If you want to print the whole image, turn this setting to **Off**.

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

Cropping:On



Cropping:Off



Borderless

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

- 1** Press **Menu/Set**, **4**, **7**.
- 2** Press **▲** or **▼** to select **Off** (or **On**).
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Scan to Card

You can scan black and white and colour documents onto a media card. Black and white documents will be stored in PDF (*.PDF) or TIFF file formats (*.TIF). Colour documents may be stored in PDF (*.PDF) or JPEG (*.JPG) file formats. The default setting is **Color 150 dpi** and the default file format is **PDF**. The machine automatically creates file names based on the current date. For example, the fifth image scanned on July 1, 2005 would be named 01070505.PDF. You can change the colour, quality and file name as you want.

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



You can choose the default file format for Black & White or colour files. (See *Changing the default colour file format* on page 10-14 and *Changing the default black & white file format* on page 10-14.)

- 1 Insert a SmartMedia®, CompactFlash®, Memory Stick®, Memory Stick Pro™, SecureDigital™, MultiMediaCard™ or xD-Picture Card™ into your machine.
- ⊘ Do not take out the media card while **PhotoCapture** is blinking to avoid damaging the card or data stored on the card.
- 2 Load your document.
- 3 Press  (**Scan**).
- 4 Press **▲** or **▼** to select **Scan to Card**.
To change quality, press **Menu/Set** and go to Step 5.
—OR—
press **Mono Start** or **Colour Start** to start scanning without changing any settings.

- 5** Press **▲** or **▼** to select the quality you want.
To change the file type, press **Menu/Set** and go to Step 6.
—OR—
To start scanning, press **Mono Start** or **Colour Start**.
- 6** Press **▲** or **▼** to select the file type you want.
To change the file name, press **Menu/Set** and go to Step 7.
—OR—
To start scanning, press **Mono Start** or **Colour Start**.
- 7** The file name is set automatically however, you can set a name of your choice using the dial pad. You can only change the first 6 digits.
Press **Mono Start** or **Colour Start** to start scanning.

Changing the default quality

- 1** Press **Menu/Set**, **4**, **8**, **1**.
- 2** Press **▲** or **▼** to select B/W 200x100 dpi, B/W 200 dpi, Color 150 dpi, Color 300 dpi or Color 600 dpi.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Changing the default black & white file format

- 1** Press **Menu/Set**, **4**, **8**, **2**.
- 2** Press **▲** or **▼** to select TIFF or PDF.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Changing the default colour file format

- 1** Press **Menu/Set**, **4**, **8**, **3**.
- 2** Press **▲** or **▼** to select PDF or JPEG.
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Understanding the Error Messages

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

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

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

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

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

Using PhotoCapture Center™ from your computer

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

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

11 Software and Network features

The User's Guide on 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).

■ Printing

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

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

■ Scanning

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

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

■ ControlCenter2

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

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

■ Network Scanning

(For Windows®, see Chapter 4 in the Software User's Guide on the CD-ROM.)

(For Macintosh®, see Chapter 11 in the Software User's Guide on the CD-ROM.)

■ Remote Setup

(For Windows®, see Chapter 5 in the Software User's Guide on the CD-ROM.)

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

■ Faxing from your computer

(For Windows®, see Chapter 6 in the Software User's Guide on the CD-ROM.)

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

■ PhotoCapture Center™

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

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

■ Network Printing

(For Windows®, see the Network User's Guide on the CD-ROM.)

(For Macintosh®, see the Network User's Guide on the CD-ROM.)



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

12 Important information

Important Information for Australia

IMPORTANT-For Your Safety

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

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

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

Disconnect device

This machine must be installed near a power outlet, which is easily accessible. In case of emergencies, you must disconnect the power cord from the power outlet in order to shut off power completely.

IMPORTANT NOTICE

Under power failure conditions, this telephone may not operate. Please ensure that a separate telephone, not dependent on local power, is available for emergency use in emergencies.

LAN connection



Caution

Do not connect this product to a LAN connection that is subject to over-voltages.

International ENERGY STAR® Compliance Statement

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

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



Important safety instructions

- 1** Read all of these instructions.
- 2** Save them for later reference.
- 3** Follow all warnings and instructions marked on the product.
- 4** Unplug this product from the 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 proper ventilation is provided.
- 8** This product should be operated from the type of power source indicated on the label. If you are not sure of the type of power available, call your dealer or local power company.

- 9** This product is equipped with a 3-wire grounded plug, a plug having a third (grounded) pin. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounded plug.
- 10** Do not allow anything to rest on the power cord. Do not place this product where people can walk on the cord.
- 11** 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.
- 16** Unplug this product from the wall outlet and refer servicing to Authorized Service Personnel under the following conditions:
- When the power cord is damaged or frayed.
 - If liquid has been spilled into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - If the product has been dropped or the cabinet has been damaged.
 - If the product exhibits a distinct change in performance, indicating a need for service.

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. 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 operated from the type of power source indicated on the label. If you are not sure of the type of power available, consult with your dealer or local power company.
- 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 allow anything to rest on the power cord. Do not locate this product where people can walk on the cord.
- 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. 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.
- 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.

IMPORTANT-For Your Safety

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

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

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

Disconnect device

This machine must be installed near a power outlet, which is easily accessible. In case of emergencies, you must disconnect the power cord from the power outlet in order to shut off power completely.

IMPORTANT NOTICE

Under power failure conditions, this telephone may not operate. Please ensure that a separate telephone, not dependent on local power, is available for emergency use in emergencies.

LAN connection



Caution

Do not connect this product to a LAN connection that is subject to over-voltages.

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. 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 operated from the type of power source indicated on the label. If you are not sure of the type of power available, consult with your dealer or local power company.
- 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 allow anything to rest on the power cord. Do not place this product where people can walk on the cord.

- 11** If an extension cord is used with this product, make sure that the total ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating.
- 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.
- 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).

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

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

Brother cannot accept any financial or other responsibilities that may be the result of your use of this information, including direct, special or consequential damages. There are no warranties extended or granted by this document.

LAN connection

Caution

Do not connect this product to a LAN connection that is subject to over-voltages.

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13 Troubleshooting and routine maintenance

Troubleshooting

Error messages

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

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

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

ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
Comm.Error	Poor phone line quality caused a communication error.	Try the call again. If the problem continues, call the telephone company and ask them to check your phone 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.
Data Remaining	Print data remains in the machine's memory.	Re-start printing from your computer.
	Print data remains in the machine's memory. The USB cable was unplugged while the computer was sending the data to the machine.	Press Stop/Exit . The machine will cancel the job and eject the page that is being printed.
Disconnected	The other person or other person's fax machine stopped the call.	Try to send or receive again.

ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
Document Jam	Document was not inserted or fed properly, or the document fed from ADF was too long.	See <i>Using the automatic document feeder (ADF)</i> on page 1-6.
	The document is jammed in the machine.	See <i>Document jams</i> on page 13-5.
High Temperature	The print head is too warm.	Allow the machine to cool down.
Ink Empty	One or more of the ink cartridges is empty. The machine will stop all print operations. While memory is available, black and white faxes will be received into memory. If a sending machine has a colour fax, the machine's 'handshake' will request that the fax be sent as black and white. If the sending machine has the ability to convert it, the colour fax will be received into memory as a black and white fax.	Replace the ink cartridges. (See <i>Replacing the ink cartridges</i> on page 13-26.)
Low Temperature	The print head is too cold.	Allow the machine to warm up.
Media Error	The media card is either corrupted, improperly formatted, or there is a problem with the media drive.	Re-insert the card firmly into the slot to make sure it is in the correct position. If the error remains, check the media drive by inserting another media card that you know is working.
Near Empty	One or more of the ink cartridges are running out of ink. If a sending machine has a colour fax, the machine's 'handshake' will request that the fax be sent as black and white. If the sending machine has the ability to convert it, the colour fax will be received into memory as a black and white fax.	Order a new ink cartridge.
No Cartridge	An ink cartridge is not properly installed.	Take out the ink cartridge and put it in again seating it properly. (See <i>Replacing the ink cartridges</i> on page 13-26.)
No File	The media card in the media drive does not contain a .JPG file.	Reinsert the correct media card.

ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
No Paper Fed	The machine is out of paper.	Add paper, and then press Mono Start or Colour Start .
	The paper is jammed in the machine.	See <i>Paper is jammed inside the paper tray</i> on page 13-6 or <i>Paper is jammed inside the machine</i> on page 13-7.
No Response/Busy	The number you dialled does not answer or is busy.	Verify the number and try again.
Not Registered	You tried to access a Speed-Dial number that is not programmed.	Set up the Speed-Dial number. (See <i>Storing Speed-Dial numbers</i> on page 5-1.)
Out of Memory	The machine's memory is full.	(Fax sending or copy operation in process) Press Stop/Exit and wait until the other operations in progress finish and then try again. —OR— Clear the data in the memory. To gain extra memory, you can turn off Fax Storage. (See <i>Setting Fax Storage</i> on page 6-2.) —OR— Print the faxes that are in the memory. (See <i>Printing a fax from the memory</i> on page 4-8.) (Printing operation in process) Reduce print resolution.
Paper Jam	Paper is jammed in the machine.	See <i>Paper is jammed inside the paper tray</i> on page 13-6 or <i>Paper is jammed inside the machine</i> on page 13-7.
Wrong Paper Size	Paper is not the correct size.	Reload the correct size of paper (Letter, Legal or A4), and then press Mono Start or Colour Start .

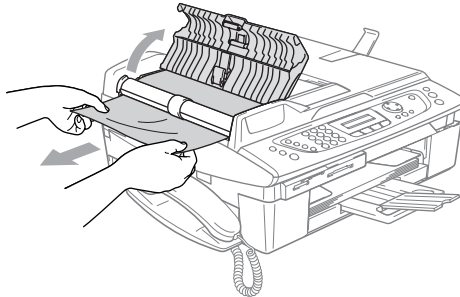
ERROR MESSAGES		
ERROR MESSAGE	CAUSE	ACTION
Unable to Change Unable to Clean Unable to Init. Unable to Print Unable to Scan	The machine has a mechanical problem. —OR— A foreign obstacle, such as a clip or ripped paper, is in the machine.	Open the scanner cover and remove any foreign obstacles from inside the machine. If the error message continues, disconnect the machine from the power for several minutes then reconnect it. The machine's memory will hold faxes for 24 hours, so you will not lose any important messages. If the error message continues after the machine was disconnected, please follow the procedure below to transfer the faxes to another fax machine. Check whether the machine has faxes in memory 1. Press Menu/Set, 9, 0, 1. 2. If the machine has no faxes, the LCD shows No Data. —OR— If faxes are present, you can transfer them to another fax machine. Go to Step 3. —OR— You can forward the remaining faxes to your PC. Please see Transfer faxes to your PC. Transfer faxes to another fax machine If you have not set up your Station ID, you cannot enter fax transfer mode. 3. Enter the fax number to which faxes will be forwarded. 4. Press Mono Start. You can transfer the Fax Journal report to another fax machine by pressing Menu/Set, 9, 0, 2 in Step1. Transfer faxes to your PC You can move the faxes from your machine's memory to your PC. 5. Press Menu/Set, 2, 5, 1. 6. Using ▲ or ▼, select 1.PC Fax Receive, and then press Menu/Set. The LCD will ask if you want to transfer a fax to your PC. 7. To transfer all faxes to your PC, press 1. —OR— To keep all faxes in the machine's memory, press 2. (For Windows®, see Chapter 6 in the Software User's Guide on the CD-ROM.)

Document jams

If the document is jammed, follow the steps below.

Document is jammed in the top of the ADF unit

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



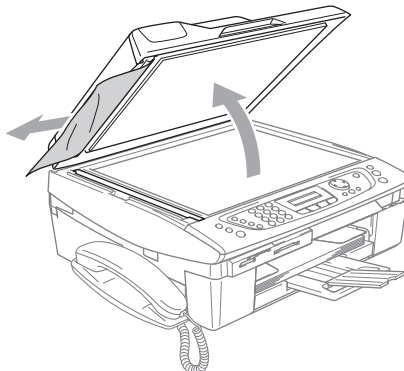
- 4** Close the ADF cover.
Press **Stop/Exit**.



To avoid future document jams, close the ADF cover properly by pushing it gently in the center.

Document is jammed inside the ADF unit

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



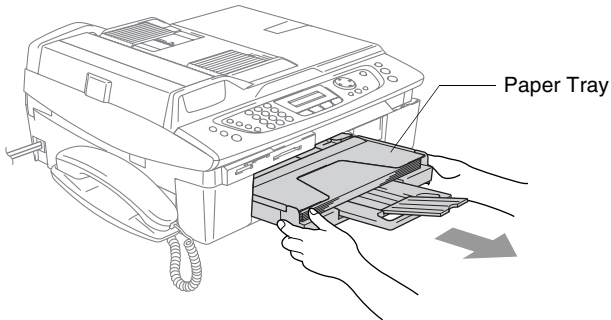
- 4** Close the document cover.
Press **Stop/Exit**.

Printer jam or paper jam

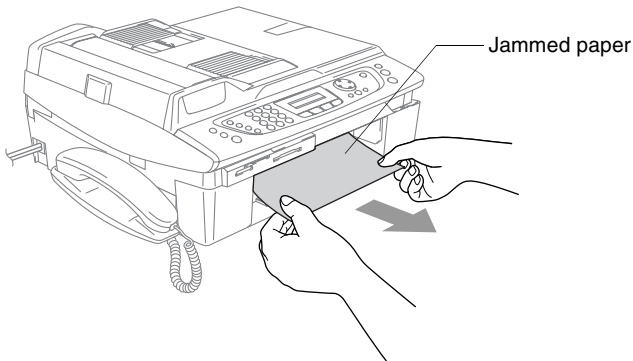
Remove the jammed paper depending on where it is jammed in the machine. Open and close the scanner cover to clear the error.

Paper is jammed inside the paper tray

- 1 Pull the paper tray out of the machine.

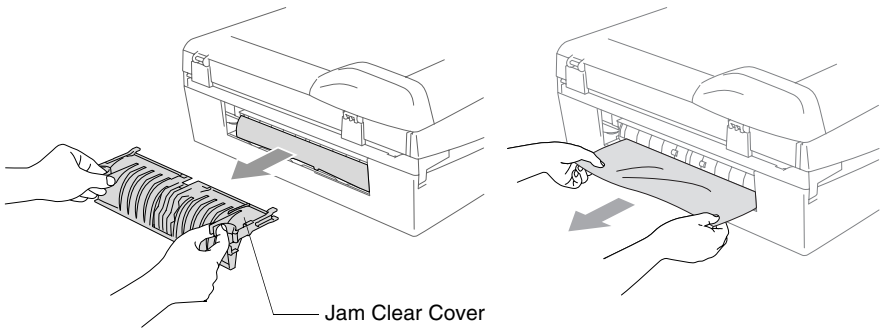


- 2 Pull out the jammed paper to remove it.

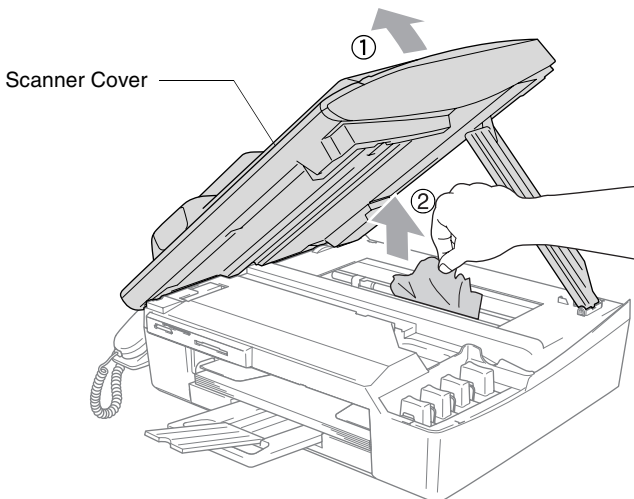


Paper is jammed inside the machine

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

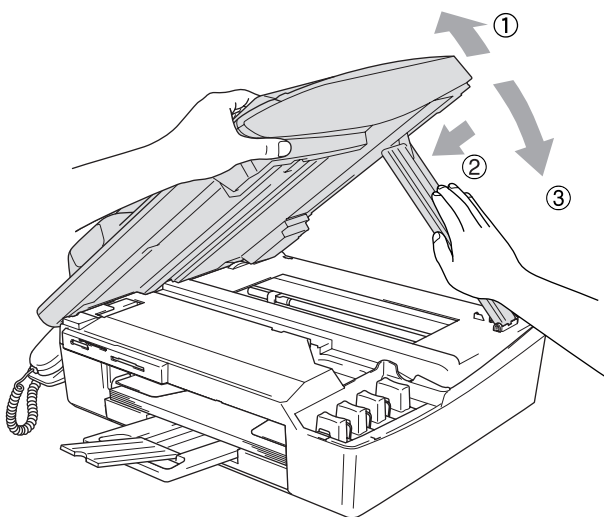


- 2 Re-insert the Jam Clear Cover.
- 3 If you can not pull out the jammed paper, lift the scanner cover from the right-hand side of the machine until it locks securely into the open position.
- 4 Remove the jammed paper.



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

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



If you are having difficulty with your machine

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

The Brother Solutions Center offers the latest FAQs and troubleshooting tips.

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

DIFFICULTY	SUGGESTIONS
Printing	
No printout	Check the interface cable or wireless connection on both the machine and your computer.
	Make sure the machine is plugged in and not in the Power Save condition.
	One or more ink cartridges are empty. (See <i>Replacing the ink cartridges</i> on page 13-26.)
	Check to see if the LCD is showing an error message. (See <i>Error messages</i> on page 13-1.)
Poor quality print.	Check the print quality. (See <i>Checking the print quality</i> on page 13-16.)
	Make sure the Printer Driver or Paper Type setting in the menu matches the type of paper you are using. (For Windows®, see <i>Media Type</i> on page 1-5 in Software User's Guide or for Macintosh®, <i>Media Type</i> on page 8-3 in Software User's Guide on the CD-ROM.)
	Make sure your ink cartridges are fresh. Cartridges remain fresh for up to two years if kept in their original packaging, after that the ink may become clogged. Cartridge expiration dates are printed on the package.
	Try using the recommended types of paper. (See <i>About paper</i> on page 1-9.)
	The recommended environment for your machine is between 20°C to 33°C.
White horizontal lines appear in text or graphics.	Clean the print head. (See <i>Cleaning the print head</i> on page 13-15.)
	Try using the recommended types of paper. (See <i>About paper</i> on page 1-9.)
	If horizontal bands appear when using plain paper, use the 'Enhanced Normal Printing' mode to help avoid banding on some types of plain paper. In the printer driver 'Basic' tab, click 'Settings,' and check 'Enhanced Normal Printing.' If you continue to have horizontal bands, change the Media Type selection to 'Slow Drying Paper' in the printer driver 'Basic' tab to help enhance the print quality.
The machine prints blank pages.	Clean the print head. (See <i>Cleaning the print head</i> on page 13-15.)
Characters and lines are stacked.	Check the printing alignment. (See <i>Checking the printing alignment</i> on page 13-18.)
Printed text or images are skewed.	Make sure the paper is loaded properly in the paper tray and the paper side guide is adjusted correctly. (See <i>How to load paper, envelopes and post cards</i> on page 1-14.)

DIFFICULTY	SUGGESTIONS
Printing (Continued)	
Smudged stain at the top center of the printed page.	Make sure the paper is not too thick or not curled. (See <i>About paper</i> on page 1-9.)
Printing appears dirty or ink seems to run.	Make sure you are using the proper types of paper. (See <i>About paper</i> on page 1-9.) Don't handle the paper until the ink is dry.
Stains appear on the reverse side or at the bottom of the page.	Make sure the Printer Platen is not dirty with ink. (See <i>Cleaning the machine printer platen</i> on page 13-24.)
	Make sure you are using the paper support flap. (See <i>How to load paper, envelopes and post cards</i> on page 1-14.)
There are some dense lines.	Check 'Reverse Order' in the Basic tab of the printer driver.
The printouts are wrinkled.	In the printer driver 'Basic' tab, click the 'Settings', and uncheck the 'Bi-Directional Printing'.
The machine cannot perform '2 in 1 or 4 in 1' printing.	Check that the paper size setting in the application and in the printer driver are the same.
Print speed is too slow.	Changing the printer driver setting may improve the print speed. Highest resolution needs longer data processing, transfer and printing time. Try the other settings of quality in the printer driver 'Basic' tab. Also, click the 'Settings' tab, and make sure you uncheck the Colour Enhancement.
	Borderless printing is slower than normal printing. If you want to print more quickly, set the Borderless feature off. (For Windows®, see <i>Basic tab</i> on page 1-5 in Software User's Guide or for Machintosh®, <i>page Setup</i> on page 8-7 in Software User's Guide on the CD-ROM.)
Colour Enhancement is not working properly.	If the image data is not full colour in your application (such as 256 colour), Colour Enhancement will not work. Please use at least 24 bit colour data with the Colour Enhancement feature.
The machine feeds multiple pages	Make sure the paper is loaded properly in the paper tray. (See <i>How to load paper, envelopes and post cards</i> on page 1-14.)
	Check that more than two types of paper are not loaded in the paper tray at any one time.
Printed pages are not stacked neatly.	Make sure you are using the paper support flap. (See <i>How to load paper, envelopes and post cards</i> on page 1-14.)
The machine does not print from Paint Brush.	Try setting the Display setting to '256 colours.'
The machine does not print from Adobe Illustrator.	Try to reduce the print resolution.
Printing Received Faxes	
Condensed print and white streaks across the page or the top and bottom of sentences are cut off.	This can be caused by static or interference on the telephone line. You can make a copy using the Mono Start key to see if the same problem occurs. If the copy looks good then the problem is probably the phone line and not your machine.
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.

DIFFICULTY	SUGGESTIONS
Printing Received Faxes (Continued)	
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 <i>Replacing the ink cartridges</i> on page 13-26.) Since the machine cannot store colour faxes in memory, make sure that Fax Storage is not turned on. (See <i>Setting Fax Storage</i> on page 6-2.)
Left and Right margins are cut off or a single page is printed on two pages.	Turn on Auto Reduction. (See <i>Printing a reduced incoming fax (Auto Reduction)</i> on page 4-7.)
Phone Line or Connections	
Dialling does not work. (No dial tone)	Check that the machine is plugged in and not in Power Save mode.
	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 and make sure all telephone connections are secured. If there is no ringing when you call your machine, ask your telephone company to check the line.
	Change Tone/Pulse setting. (See <i>Setting the Phone Line Type (For Australia and New Zealand only)</i> on page 2-3.)
Receiving Faxes	
The machine cannot receive a fax.	Make sure the machine is in the correct receiving mode for your setup. (See <i>Basic receiving operations</i> on page 4-1.)
	If you frequently encounter interference on the phone line, try changing the menu setting of Compatibility to Basic . (See <i>Compatibility</i> on page 13-14.)
	If you connect your machine to PBX or ISDN, set the menu setting of Phone Line Type to your phone type. (See <i>Setting the Phone Line Type (For Australia and New Zealand only)</i> on page 2-3.)
Sending Faxes	
The machine cannot send a fax.	Make sure that the Fax  key is illuminated. (See <i>How to enter Fax mode</i> on page 3-1.)
	Ask the other party to check that receiving machine has paper.
	Print the Transmission Verification Report and check for an error. (See <i>Printing reports</i> on page 8-3.)
The machine cannot send multiple pages from the scanner glass.	Make sure that Real Time Transmission is set to Off. (See <i>Real Time Transmission</i> on page 3-9.)
Transmission Verification Report says 'Result:NG' or '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:NG' on the Transmission Verification Report, your machine may be out of memory. To gain extra memory, you can turn off Remote Fax Options (see <i>Turning off Remote Fax Options</i> on page 6-4), print fax messages in memory (see <i>Printing a fax from the memory</i> on page 4-8) or cancel a Delayed Fax or Polling Job (see <i>Cancelling a waiting job</i> on page 3-10). If the problem continues, ask the telephone company to check your phone line.
	If you frequently get transmission error with possible interference on the phone line, try to change the menu setting of Compatibility to Basic . (See <i>Compatibility</i> on page 13-14.)
	If you connect your machine to PBX or ISDN, set the menu setting of Phone Line Type to your phone type. (See <i>Setting the Phone Line Type (For Australia and New Zealand only)</i> on page 2-3.)
Poor sending quality.	Try changing your resolution to Fine or S.Fine . Make a copy to check your machine's scanner operation.
Vertical black lines when sending.	If the copy you made shows the same problem, your scanner is dirty. (See <i>Cleaning the scanner</i> on page 13-23.)

DIFFICULTY	SUGGESTIONS
Handling Incoming Calls	
The machine 'Hears' Voice as CNG Tone.	If your machine is set to Fax Detect ON, it is more sensitive to sounds. Your machine may mistakenly interpret certain voices or music on the line as a calling fax machine and respond with fax receiving tones. Deactivate the fax by pressing Stop/Exit . Try avoiding this problem by turning Fax Detect to Off. (See on page 4-6.)
Transferring a Fax Call to the machine.	If you answered at the machine, press Mono Start and hang up immediately. If you answered on an external or extension phone, press your Fax Receive Code (default setting is ✕51(✕91 for New Zealand)). When your machine answers, hang up.
Custom features on a single line.	If you have Call Waiting, Call Waiting/Caller ID, Ring Master, an alarm system or any other custom feature on a single phone line with your machine, it may create a problem sending or receiving faxes. For example: If you are sending or receiving a fax message while a custom feature signal comes through on the line, the signal can temporarily interrupt or disrupt the faxes. Brother's ECM 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 data on a single, shared line with custom features. If avoiding a slight interruption is crucial to your business, we recommend a separate phone line with no custom features.
Copying Difficulties	
The machine cannot make a copy	Make sure that the Copy  key is illuminated. (See <i>Enter Copy mode</i> on page 9-1.)
Vertical streaks appear in copies	Sometimes you may see vertical streaks on copies. Clean the scanner. (See <i>Cleaning the scanner</i> on page 13-23.)
Poor copy results when using the ADF	Try using the scanner glass. (See <i>Using the scanner glass</i> on page 1-8.)
Scanning Difficulties	
TWAIN/WIA errors appear while scanning.	Make sure the Brother TWAIN/WIA driver is selected as the primary source. In PaperPort®, click Scan in the File menu and select the Brother TWAIN/WIA driver.
Poor scanning results when using the ADF	Try using the scanner glass. (See <i>Using the scanner glass</i> on page 1-8.)
Software Difficulties	
The machine 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.

DIFFICULTY	SUGGESTIONS
PhotoCapture Center™ Difficulties	
Removable Disk does not work properly.	a) Have you installed the Windows® 2000 update? If not, do the following: 1. Disconnect the USB cable. 2. Install the Windows® 2000 update. Please see the Quick Setup Guide. After the installation the PC will be automatically restarted. 3. Wait about 1 minute after you reboot the PC, and then connect the USB cable. b) Take out the media card and put it back in again. c) If you have tried "Eject" from within Windows®, you must take out the media card before you continue. d) If an error message appears when you try to eject the media card, it means the card is being accessed. Wait a while and then try again. e) If all of the above do not work, please turn off your PC and machine, and then turn them on again. (You will have to unplug the power cord of the machine to turn it off.)
The machine cannot access Removable Disk from Desktop icon.	Make sure you have inserted the media card into the media slot.
Network Difficulties	
I cannot print over the Network	Make sure your machine is powered on and is on-line and in Ready mode. Print the Network Configuration list to see your current Network settings. (See <i>Printing reports</i> on page 8-1.) 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 will show <i>LAN Active</i> for 2 seconds. (If you are using a wireless connection or are having Network problems see the Network User's Guide on the CD-ROM for more information.)
The network scanning feature does not work.	(For Windows® users only) Firewall setting on your PC may be rejecting the necessary network connection. Follow the instructions below to configure the Firewall. If you are using a personal Firewall software, see the User's Guide for your software or contact the software manufacturer. <Windows® XP SP2 users.> 1. Click the 'Start' button, 'Settings', 'Control Panel' and then 'Windows Firewall'. Make sure that Windows Firewall on the 'Basic' tab is set to On. 2. Click the 'Exceptions' tab and 'Add port' button. 3. Enter any name, port number (54295 for network scanning and 54926 for Network PC-Fax receiving), select 'UDP' and click 'OK'. 4. Make sure if the new setting is added and is checked, and then click 'OK'. For Windows® XP SP1 users, please visit the Brother Solutions Center.
The network PC-Fax Receive feature does not work.	
Your computer cannot find your machine.	<For Windows® user> Firewall setting on your PC may be rejecting the necessary network connection. For detail, see the instruction above. <For Macintosh® users> Re-select your machine in the DeviceSelector application located in Macintosh HD/Library/Printers/Brother/Utilities or from the mode I of ControlCenter2.
Other Difficulties	
I cannot see the LCD clearly	Change the contrast settings. (See <i>Setting the LCD Contrast</i> on page 2-8.)

Setting 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 default **No Detection** setting.

- 1** Press **Menu/Set, 0, 5**.
- 2** Press **▲** or **▼** to select **Detection** (or **No Detection**).
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Compatibility

If you are having difficulty sending or receiving a fax due to possible interference on the phone line, we recommend that you adjust the Equalization for compatibility. The machine adjusts the modem speed for fax operations.

- 1** Press **Menu/Set, 2, 0, 2**.
- 2** Press **▲** or **▼** to select **Normal**, (or **Basic**).
Press **Menu/Set**.
- 3** Press **Stop/Exit**.

Miscellaneous 2.Compatibility



- **Basic** reduces the modem speed to 9600 bps. Unless there is a lot of interference on your phone line, you may prefer to use it only when needed.
- **Normal** sets the modem speed at 14400 bps. (Default)

How to improve print quality

Cleaning the print head

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

Clean the print head and ink cartridges if you get a horizontal line in the text or graphics on your printed pages. You can clean Black only or three 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 select **Cleaning**.
Press **Menu/Set**.
- 3** Press **▲** or **▼** to select **Black**, **Color** or **All**.
Press **Menu/Set**.

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



If you clean the print head at least five times and the print has not improved, call your Brother dealer for service.

Checking the print quality

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

- 1** Press **Ink Management**.
- 2** Press **▲** or **▼** to select **Test Print**.
Press **Menu/Set**.
- 3** Press **▲** or **▼** to select **Print Quality**.
Press **Menu/Set**.
- 4** Press **Colour Start**.

The machine begins printing the Print Quality Check Sheet.

- 5** Follow the instructions given on the sheet to see if the quality is OK.

Colour block quality check

The LCD shows:

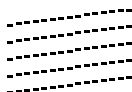
Is Quality OK?
1.Yes 2.No

- 6** Check the quality of the four colour blocks on the sheet.
(BK/Colour).
- 7** If all lines are clear and visible, press **1** (Yes), and then press **Stop/Exit**.

—OR—

If you can see missing short lines as shown below, press **2** (No).

OK



Poor



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

Black OK?
1.Yes 2.No

- 8** Press **2** (No) for Black or three colours with a problem.

The LCD shows:

Press **1** (Yes).

Start Cleaning? 1.Yes 2.No

The machine will start cleaning the print head.

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

10 Press **Stop/Exit**.

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

After replacing the ink cartridge, check it by printing another Print Quality Check Sheet. If the problem still exists, repeat the cleaning and test print procedures at least five times for the new ink cartridge. If ink is still missing, call 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.



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 printing alignment

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

- 1** Press **Ink Management**.
- 2** Press **▲** or **▼** to select **Test Print**.
Press **Menu/Set**.
- 3** Press **▲** or **▼** to select **Alignment**.
Press **Menu/Set**.
- 4** Press **Mono Start** or **Colour Start**.

The machine begins printing the Alignment Check Sheet.

The LCD shows:

Is Alignment OK?
1.Yes 2.No

- 5** Check the 600 dpi and 1200 dpi test prints to see if number 5 most closely matches number 0. If the number 5 sample of both the 600 dpi and 1200 dpi are the best matches, press **1** (Yes) to finish Alignment Check, and go to Step 8.

—OR—

If another test print number is a better match for either 600 dpi or 1200 dpi, press **2** (No) to select it.

- 6** For 600 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 7** For 1200 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 8** Press **Stop/Exit**.

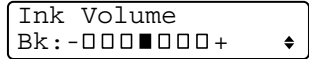
600dpi Adjust
Select Best # 5

1200dpi Adjust
Select Best # 5

Checking the ink volume

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

- 1 Press **Ink Management**.
- 2 Press ▲ or ▼ to select **Ink Volume**.
Press **Menu/Set**.
- 3 Press ▲ or ▼ to select the colour you want to check.
The LCD shows the ink volume.
- 4 Press **Stop/Exit**.



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

Packing and shipping the machine

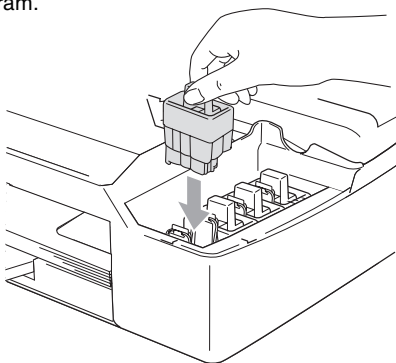
Whenever you transport the machine, use the packing materials that came with your machine. If you do not pack the machine properly, you could void your warranty.

Caution

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

- 1** Lift the scanner cover from the right-hand side of the machine until it locks securely into the open position.
- 2** Remove all the ink cartridges and attach the yellow protective parts. (See *Replacing the ink cartridges* on page 13-26.)

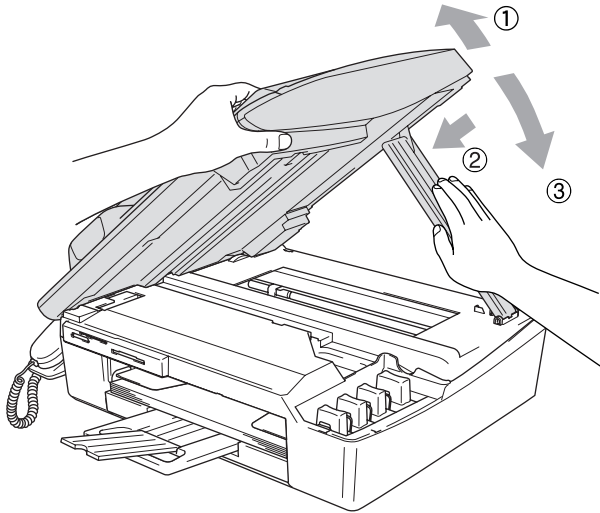
When attaching the yellow protective parts, make sure they clip into place as shown in the diagram.



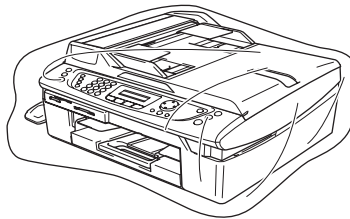
Caution

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

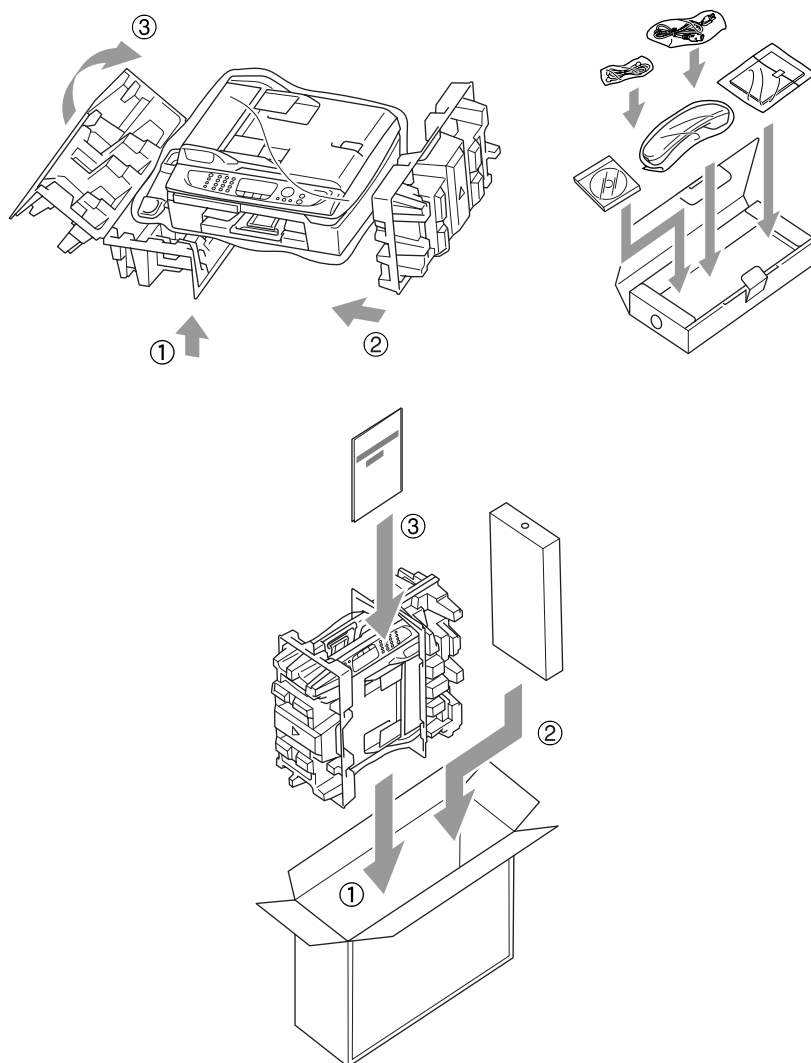
- 3** Lift the scanner cover to release the lock. Gently push the scanner cover support down and close the scanner cover.



- 4** Unplug the machine from the telephone wall socket and remove the telephone line cord from the machine.
- 5** Unplug the machine from the electrical socket.
- 6** Unplug the interface cable from the machine, if it is connected.
- 7** If your machine has a handset, remove it and the handset curled cord.
- 8** Wrap the machine in the bag and place it in the original carton with the original packing material.



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

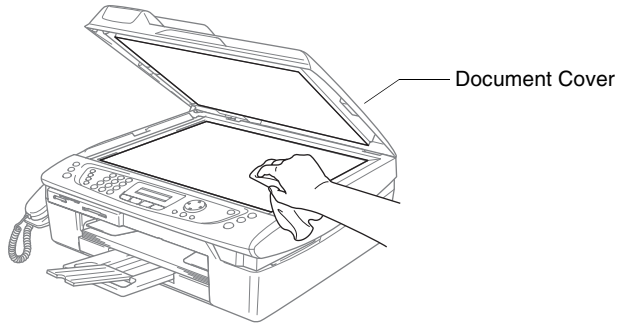


- 10** Close the carton.

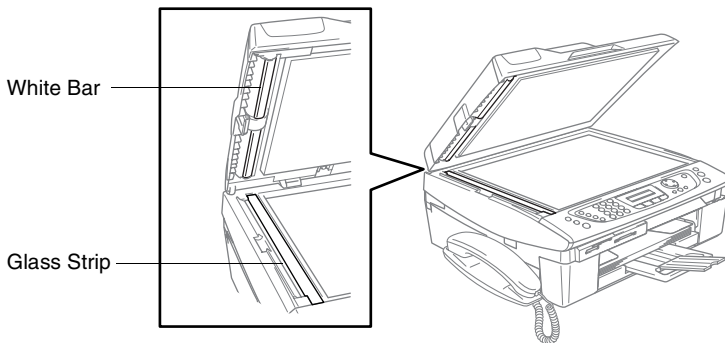
Routine maintenance

Cleaning the scanner

Lift the document cover. Clean the scanner glass with isopropyl alcohol on a soft lint-free cloth.

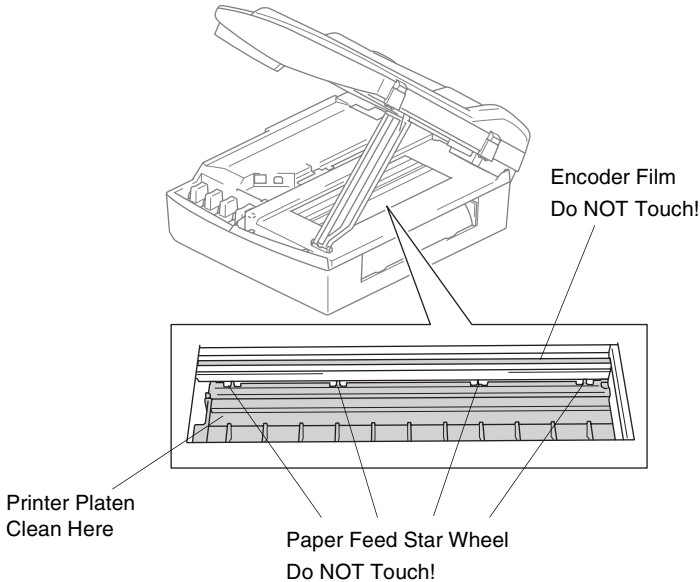


Clean the white bar and the glass strip under the film with isopropyl alcohol on a lint-free cloth.



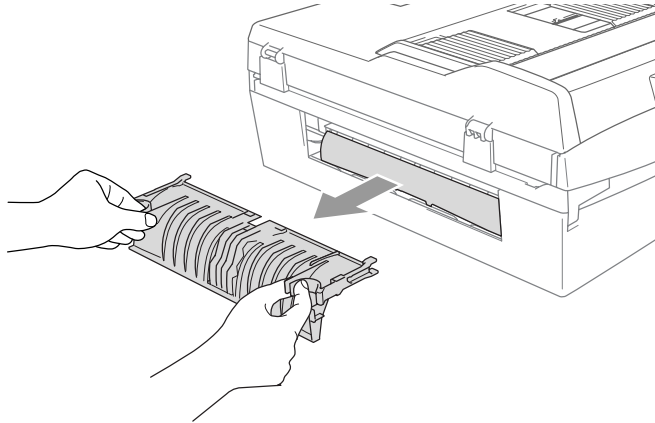
Cleaning the machine printer platen

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

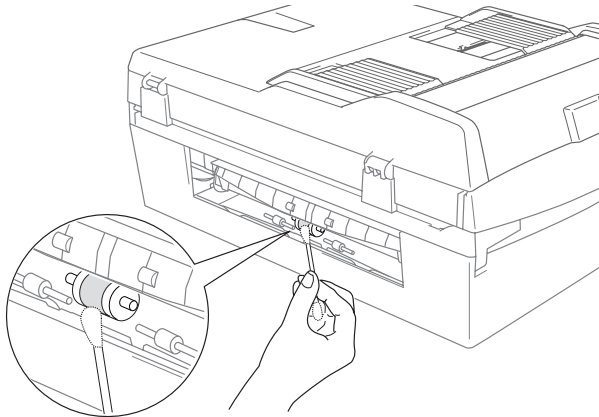


Cleaning the Paper Pick-up Roller

- 1 Unplug the machine from the electrical socket and remove the Jam Clear Cover.



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



- 3 Re-insert the Jam Clear Cover.
- 4 Reconnect the power cord.

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 notify you with a message on the LCD.

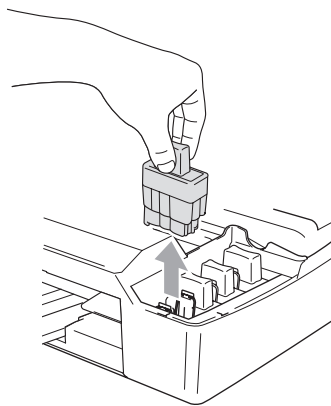
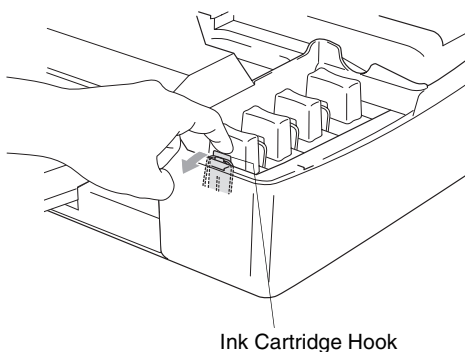
The LCD will inform you which ink cartridge is low or needs replacing. Be sure to follow the LCD prompts to replace the ink cartridges in the correct order.

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

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

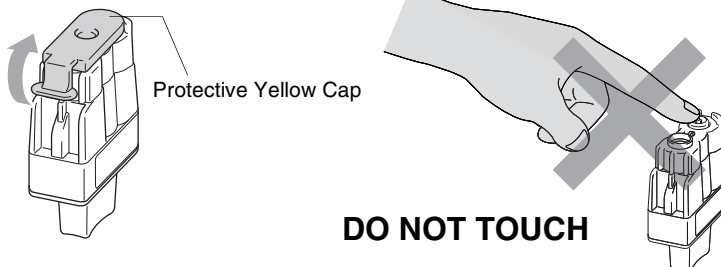
If one or more ink cartridges are empty, for example Black, the LCD shows **Ink Empty Black** and **Replace Ink**.

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



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

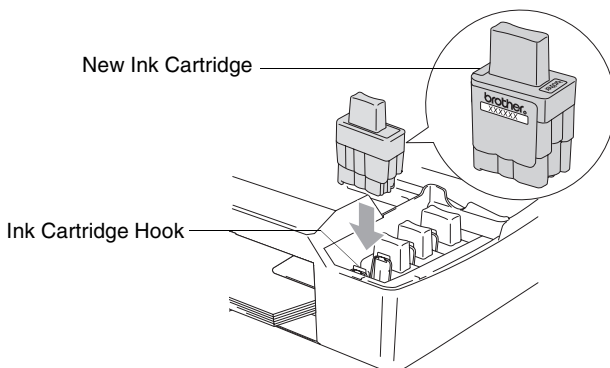
4 Remove the protective yellow cap.



 Do not touch the area shown in the illustration above.

 If the protective yellow cap comes off when you open the bag the cartridge will not be damaged.

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



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

7 If you replaced an ink cartridge while *Near Empty* was displayed on the LCD, the LCD may ask you to verify that it was a brand new one. Example: *Did You Change Black?* 1.Yes 2.No. For each *new* cartridge you installed, press **1** on the dial pad to automatically reset the ink dot counter for that colour. If the ink cartridge you installed is not a brand new one, please be sure to select **2**.



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



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



WARNING

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



Caution

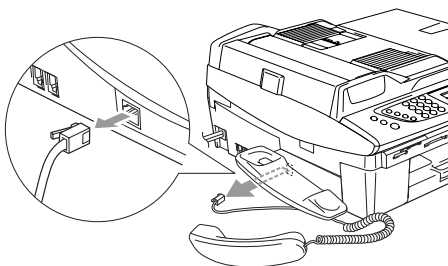
- Do not remove ink cartridges if you do not need to replace them. If you do so, it may reduce the ink quantity and the machine will not know the quantity of ink left in the cartridge.
- Do not touch the cartridge insertion slots. If you do so, the ink may stain your skin.
- If ink stains your skin or clothing, wash with soap or detergent immediately.
- If you install an ink cartridge in the wrong colour position, you must clean the print head several times before you start printing (after correcting the cartridge installation) because the colours were mixed.
- Once you open an ink cartridge, install it in the machine and use it up within six months of installation. Use unopened ink cartridges by the expiration date written on the cartridge package.
- Do not dismantle or tamper with the ink cartridge, this can cause the ink to leak out of the cartridge.
- Brother multifunction machines are designed to work with ink of a particular specification and will work to a level of optimum performance when used with genuine Brother branded ink cartridges. Brother cannot guarantee this optimum performance if ink or ink cartridges of other specifications are used. Brother does not therefore recommend the use of cartridges other than genuine Brother branded cartridges or the refilling of empty cartridges with this machine or the refilling of empty cartridges with ink from other sources. If damage is caused to the print head or other parts of this machine as a result of using incompatible products with this machine, any repairs required as a result may not be covered by the warranty.

Uninstalling or installing the handset and handset cradle

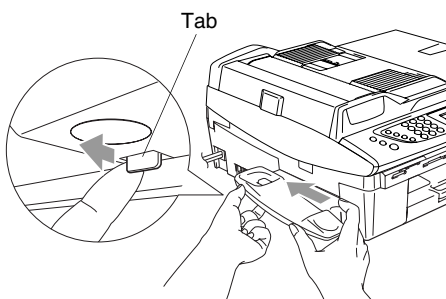
If you do not use the handset and the handset cradle, you can remove them.

Uninstalling the handset and handset cradle

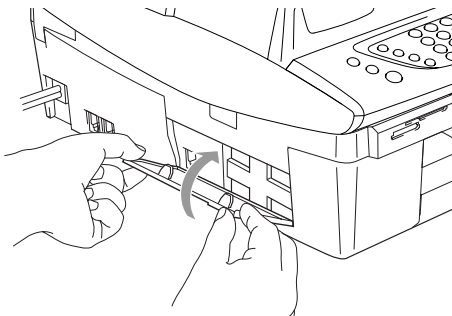
- 1 Unplug the curled handset cord from the machine.



- 2 Pull the tab outwards and hold it in position as you push the cradle to the back of the machine.

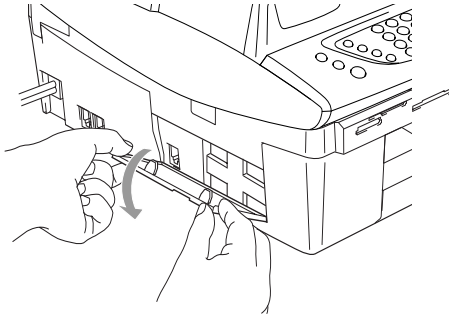


- 3 Attach the side cover.



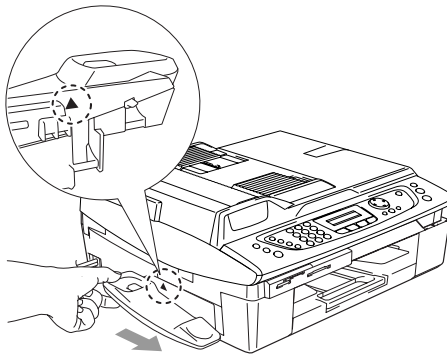
Installing the handset and handset cradle

- 1 Remove the side cover.

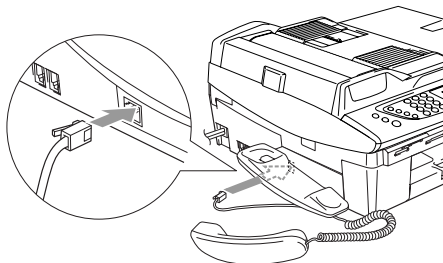


 If you cannot open the cover with your hand, use a coin to open.

- 2 Align the recessed arrows on the cradle with those on the machine, and then slide the cradle toward the front of the machine until it clicks into place.



- 3 Connect the curled handset cord to the machine.



A Appendix A

Telephone Service for Australia

Telstra® FaxStream® Duet® (Distinctive Ringing)

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 MFC has a Distinctive Ringing function, allowing you to dedicate one phone number just for receiving faxes.



After you have set the Distinctive Ring feature to **On**, the receive mode is set to **Manual** automatically. If you don't have a TAD or Voice Mail set up on the Distinctive Ring number, **Manual** mode means you must answer all the voice calls yourself. You can not change the receive mode from **Manual** 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) connected to the same line 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 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.

* standard phones—those phones without ring discrimination features

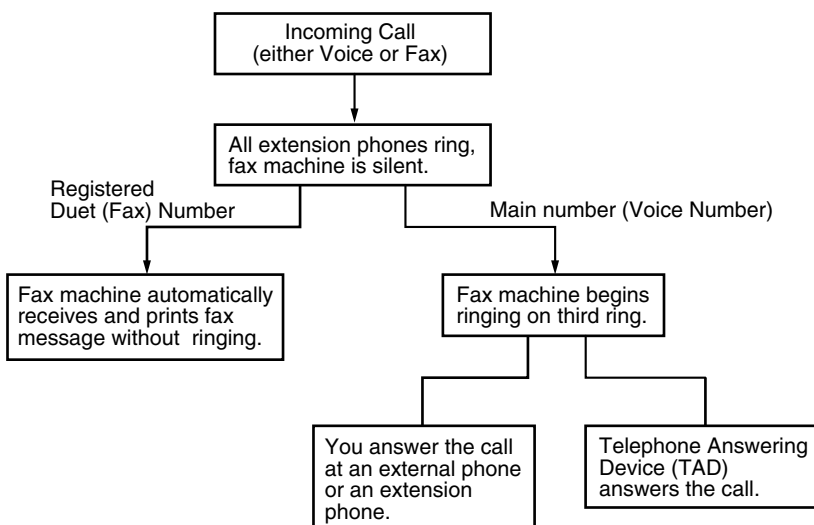
How does Telstra® FaxStream® Duet® Work?

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 with a distinctive ring pattern. Do not pick it up as you are receiving a fax message.

Flowchart Sequence of Incoming call



Set the Distinctive Ringing to ON

- 1 Press **Menu/Set**, **2**, **0**, **3**.

The screen displays the current setting of this feature.

Miscellaneous 3.Distinctive

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

Caller ID (Caller IDentification)

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 MFC memory.



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 Speed-Dial. Once you pick up the external handset, the caller's ID disappears. You will see up to the first 16 characters of the number on the display.



- If `Out of Area` appears on the display, it means that the call came from outside your caller ID service area or a public phone. *
- If `Private Call` appears on the display, it means the caller intentionally blocked the transmission of his/her ID. *

* Depends on network Function.

The Caller ID is Stored in Your MFC Memory

The MFC 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.

Viewing Caller ID List

Caller ID memory stores information for up to thirty calls; when the thirty-first call comes in, information about the first call is erased. You can scroll through Caller ID information to review those calls made to your MFC.

1 Press **Menu/Set, 2, 0, 4.**

Miscellaneous 4.Caller ID

2 Press **▲** or **▼** to select `Display#` and press **Menu/Set**.

If the name was not received, it will not be displayed.

3 Press **▲** or **▼** to scroll through the Caller ID memory to select the Caller ID you want to view and press **Menu/Set**.

The next screen shows the caller's telephone number and the date and time of the call.

4 Press **Stop/Exit** to exit.

Printing Caller ID List

1 Press **Menu/Set, 2, 0, 4.**

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

3 Press **Menu/Set**.

4 Press **Start**.

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?

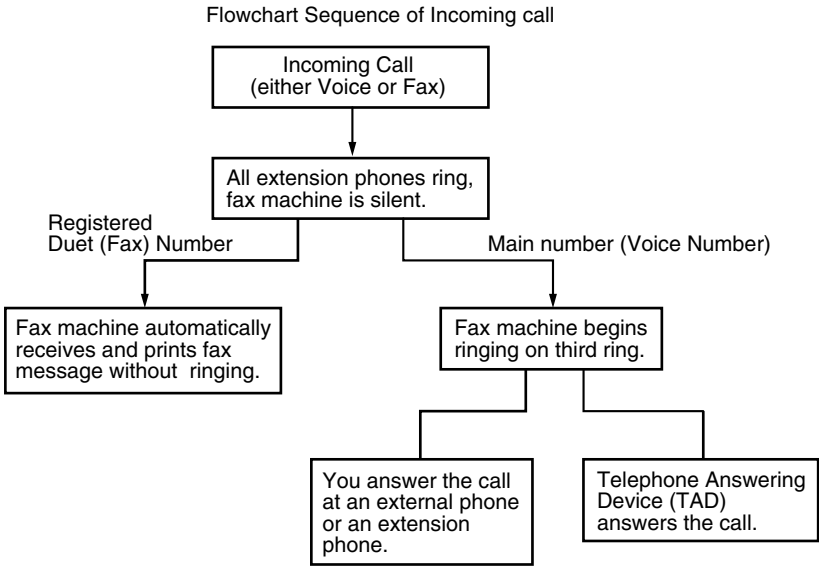
FaxAbility mode ensures that the machine will answer calls to the FaxAbility (secondary) number. When a call comes in to your main number, all the phones will ring. You can set an external answering device (TAD) to answer calls on the other number(s). (See the chart in the following page.)

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).



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 1-3; Step 2 is where you can select 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.

- 1** Press **Menu/Set, 2, 0, 3**.

Miscellaneous 3.Faxability

The screen displays

- 2** Press **▲** or **▼** to set FaxAbility to **On** or **Off**.

If you have FaxAbility service, select **On**.

- 3** Press **Menu/Set**.

- 4** Press **▲** or **▼** to set Call Waiting to **On** or **Off**. If you have Call Waiting service, select **On** to avoid the trouble caused by Call Waiting.

- 5** Press **Menu/Set**.

- 6** Press **Stop/Exit**.

Caller ID (Caller Identification)

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 MFC memory.



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 and name if available. Once you pick up the external handset, the caller's ID disappears. You will see up to the first 16 characters of the number and name if available on the display.



■ If `Out of Area` appears on the display, it means that the call came from outside your caller ID service area. *

■ If `Private Call` appears on the display, it means the caller intentionally blocked the transmission of his/her ID. *

* Depends on network Function.

Viewing Caller ID List

Caller ID memory stores information for up to thirty calls; when the thirty-first call comes in, information about the first call is erased. You can scroll through Caller ID information to review those calls made to your MFC.

1 Press **Menu/Set, 2, 0, 4.**

Miscellaneous 4.Caller ID

2 Press **▲** or **▼** to select `Display#` and press **Menu/Set**.

If the name was not received, it will not be displayed.

3 Press **▲** or **▼** to scroll through the Caller ID memory to select the Caller ID you want to view and press **Menu/Set**.

The next screen shows the caller's telephone number and the date and time of the call.

4 Press **Stop/Exit**.

Printing Caller ID List

1 Press **Menu/Set, 2, 0, 4.**

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

3 Press **Menu/Set**.

4 Press **Start**.



If you use the Caller ID for Dial back...

- Please be sure that you use appropriate dialling procedures for local and national call.
- Please be sure that you make sure of the details of the exact number to be called back, and the need to insert prefix(es) for manual dialling.
- Please understand that your MFC may not display precisely the digits to be called.

Telephone Service for Some Countries

Distinctive Ringing (For Singapore and Hong Kong)

This MFC feature lets you use the Distinctive Ringing 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 Ringing pattern, so you will know which phone number is ringing. This is one way you can have a separate phone number for your MFC.

Your MFC has a Distinctive Ringing function, allowing you to dedicate one phone number just for receiving faxes. You will need to set Distinctive Ringing to **On**.



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 MFC will answer only calls to the Distinctive Ringing number.



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 call yourself. You can not change the receive mode to the other mode while the Distinctive Ring is set to **on**.

Setting the Distinctive Ringing

- 1** Press **Menu/Set**, **2**, **0**, **3**.
- 2** Press **▲** or **▼** to select **On** (or **Off**).
- 3** Press **Menu/Set**.
- 4** Press **Stop/Exit**.

Miscellaneous 3.Distinctive

Caller ID (For Singapore and Hong Kong)

The Caller ID feature of this MFC lets you use the Caller ID subscriber service offered by many local phone companies. This service provides you, by means of the screen display, the telephone number (or name) of your caller as the line rings. (See *Printing Caller ID List* on page A-13.)

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

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



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

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

Viewing Caller ID List

Caller ID memory stores information for up to thirty calls; when the thirty-first call comes in, information about the first call is erased. You can scroll through Caller ID information to review those calls made to your machine.

1 Press **Menu/Set**, **2**, **0**, **4**.

Miscellaneous 4.Caller ID

2 Press **▲** or **▼** to select `Display#` and press **Menu/Set**.

If the name was not received, it will not be displayed.

3 Press **▲** or **▼** to scroll through the Caller ID memory to select the Caller ID you want to view and press **Menu/Set**.

The next screen shows the caller's telephone number and the date and time of the call.

4 Press **Stop/Exit**.

Printing Caller ID List

1 Press **Menu/Set**, **2**, **0**, **4**.

2 Press **▲** or **▼** to select `Print Report` and press **Menu/Set**.

3 Press **Start**.

Advanced receiving operations

Operation from extension telephones

If you answer a fax call on an extension telephone, or an external telephone that is correctly connected to the machine, you can make your machine take the call by using the Fax Receive Code. When you press the Fax Receive Code ***51** (***91** 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 Telephone Answer Code **#51** (**#91** for New Zealand) to take the call at an extension phone. (See *Setting the F/T Ring Time (Fax/Tel mode only)* on page 4-5.)

- If you want to use Remote Activation, you have to turn on the remote codes. (See *Changing the remote codes* on page A-16.)

Press ***51** (***91** for New Zealand) and wait for the chirp or until the machine's LCD displays Receiving, and then hang up.



You can also use the Fax Detect feature to make your machine automatically take the call. (See *Fax Detect* on page 4-6.)

Fax/Tel mode in the power save condition

When the machine is in Fax/Tel mode and pseudo/double-rings to alert you to pick up a voice call, you can only answer by picking up the machine's handset.

If you answer *before* the machine answers with pseudo/double-ringing, you can pick up the call at an external or extension phone.

For Fax/Tel mode only

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're at the machine, you can lift the handset or press **Speaker Phone** to answer.

If you lift the external telephone's handset, press **Speaker Phone** twice to answer.

If you're at an extension phone, you'll need to lift the handset during the F/T Ring Time and then press **#51** (**#91** 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 ***51** (***91** for New Zealand).

Using a cordless external handset

If the base unit of cordless telephone is connected (see page A-17) and you typically carry the cordless handset elsewhere, it is easier to answer calls during the Ring Delay.

Changing the remote codes

Remote activation lets you send commands to your machine from an extension or external phone. To use Remote Activation, you must turn on the remote codes. The preset Fax Receive Code is ***51** (***91** for New Zealand). The preset Telephone Answer Code is **#51** (**#91** for New Zealand).



If you are always disconnected when accessing your external TAD remotely, try changing the Fax Receive Code and Telephone Answer Code to another three-digit code (such as **###** and **998**).

- 1** If it is not illuminated in green, press  (**Fax**).
- 2** Press **Menu/Set, 2, 1, 4**.
- 3** Press **▲** or **▼** to select **On** (or **Off**).
Press **Menu/Set**.
- 4** Enter the new Fax Receive Code.
Press **Menu/Set**.
- 5** Enter the new Telephone Answer Code.
Press **Menu/Set**.
- 6** Press **Stop/Exit**.

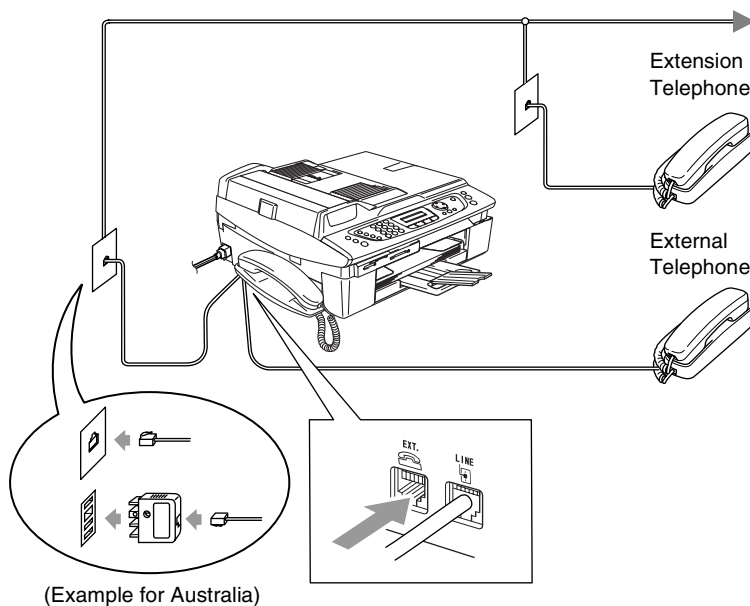


Remote Codes might not work with some telephone systems.

Connecting an external device to your machine

Connecting an external telephone

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



When you are using an external or an extension telephone, the LCD shows `Ext. Tel in Use.`

Connecting an external telephone answering device (TAD)

Sequence

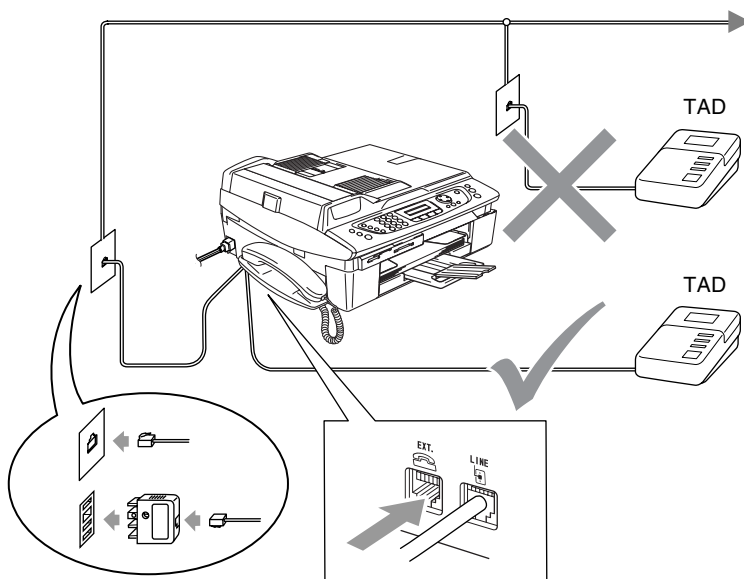
You may choose to connect an additional answering device. However, when you have an **external** TAD on the same telephone line as the machine, the TAD answers all calls and the machine “listens” for fax calling (CNG) tones. If it hears them, the machine takes over the call and receives the fax. If it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

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



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

⊘ Do not connect a TAD elsewhere on the same phone line.



(Example for Australia)

When you are using a TAD, the LCD shows `Ext. Tel in Use.`

Connections

The external TAD must be connected as shown above.

- 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 `Manual`.
(See *Choosing the Receive Mode* on page 4-1.)

Recording outgoing message (OGM) on an external TAD

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

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



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

Multi-line connections (PBX) (For Australia and New Zealand only)

Most offices use a central telephone system. While it is often relatively simple to connect the machine to a key system or a PBX (Private Branch Exchange), we suggest that you contact the company that installed your telephone system and ask them to connect the machine for you. It is advisable to have a separate line for the machine.

If the machine is to be connected to a multi-line system, ask your installer to connect the unit to the last line on the system. This prevents the unit from being activated each time a telephone call is received.

If you are installing the machine to work with a PBX

- 1** It is not guaranteed that the unit will operate properly under all circumstances with a PBX. Any cases of difficulty should be reported first to the company that handles your PBX.
- 2** If all incoming calls will be answered by a switchboard operator, it is recommended that the Receive Mode be set to *Manual*. All incoming calls should initially be regarded as telephone calls.
- 3** Make sure the Phone Line Type is set to PBX. (See *Setting the Phone Line Type (For Australia and New Zealand only)* on page 2-3.)

Custom features on your phone line

If you have Voice Mail, Call Waiting, Call Waiting/Caller ID, RingMaster, an answering service, an alarm system or other custom feature on one phone line it may create a problem with the operation of your machine. (See *Custom features on a single line.* on page 13-12.)

B Appendix B

On-screen programming

Your machine is designed to be easy to use with LCD on-screen programming using the navigation 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 probably program your machine without the User's Guide if you use the Menu table that begins on page B-3. These pages will help you understand the menu selections and options that are found in the machine's programs.



You can program your machine by pressing **Menu/Set**, followed by the menu numbers.

For example to set Fax Resolution to Fine:

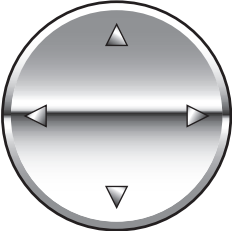
Press **Menu/Set**, **2**, **2**, **2** and **▲** or **▼** to select Fine.

Press **Menu/Set**.

Memory storage

If there is a power failure, you will not lose your menu settings because they are stored permanently. Temporary settings (such as Contrast, Overseas Mode, and so on) will be lost. You may also have to reset the date and time.

Navigation keys

	 Menu/Set	Access the menu Go to the next menu level Accept an option
		Scroll through the current menu level
		Go back to the previous menu level
	 Stop/Exit	Exit the menu

You can access the menu mode by pressing **Menu/Set**.
When you enter the menu, the LCD scrolls.

Press **1** for General Setup menu
—OR—

Select ▲▼ & Set
1.General Setup

Press **2** for Fax menu
—OR—

Select ▲▼ & Set
2.Fax

Press **3** for Copy menu
⋮

Select ▲▼ & Set
3.Copy

Press **0** for Initial Setup

Select ▲▼ & Set
0.Initial Setup

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

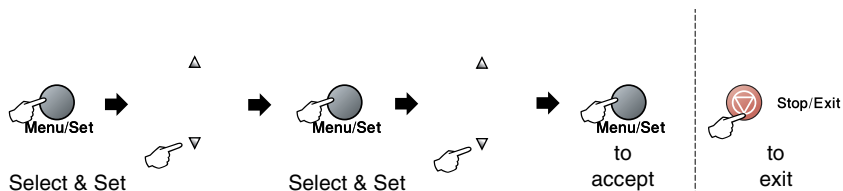
Select an option by pressing **Menu/Set** when that option appears on the LCD.

The LCD will then show the next menu level.

Press ▲ or ▼ to scroll to your next menu selection.

Press **Menu/Set**.

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



Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
1.General Setup	1.Mode Timer	—	5 Mins 2 Mins 1 Min 30 Secs 0 Sec Off	Sets the time to return to Fax mode.	2-4
	2.Paper Type	—	Plain Inkjet Glossy Transparency	Sets the type of paper in the paper tray.	2-5
	3.Paper Size	—	Letter Legal A4 A5 10x15cm	Sets the size of the paper in the paper tray.	2-5
	4.Volume	1.Ring	High Med Low Off	Adjusts the ring volume.	2-6
		2.Beeper	High Med Low Off	Adjusts the volume level of the beeper.	2-6
		3.Speaker	High Med Low Off	Adjusts the speaker volume.	2-7
	5.P.Save Setting	—	Fax Receive:On Fax Receive:Off	Customizes the Power Save key not to receive fax in power save condition.	1-5
	6.LCD Contrast	—	Light Dark	Adjust the contrast of the LCD.	2-8



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
2.Fax	1.Setup Receive (In Fax mode only)	1.Ring Delay	Ring Delay 02-10 (02) (Example for Australia)	Sets the number of rings before the machine answers in Fax Only, Fax/Tel or TAD mode.	4-3
			Toll Saver On Off	Cost saving feature: the machine rings 2 times if there are messages and 4 times if there are no messages, so you can hang up and not pay for the call.	4-4
		2.F/T Ring Time	70 Sec 40 Sec 30 Sec 20 Sec (20 Sec/ 30 sec/ 40 sec/ 55 sec for New Zealand)	Sets the pseudo/double-ring time in Fax/Tel mode.	4-5
		3.Fax Detect	On Semi Off	Receives fax messages without pressing the Mono Start or Colour Start key.	4-6
		4.Remote Code	On (* 51, #51) (* 91, #91 for New Zealand) Off	You can answer all calls at an extension or external phone and use codes to turn the machine on or off. You can personalize these codes.	A-16
		5.Auto Reduction	On Off	Reduces the size of incoming faxes.	4-7
		6.Memory Receive	On Off	Automatically stores any incoming faxes in its memory if it runs out of paper.	4-8
		7.Polling RX	Standard Secure Timer	Sets up your machine to poll another fax machine.	4-9



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
2.Fax (Continued)	2.Setup Send (In Fax mode only)	1.Contrast	Auto Light Dark	Changes the lightness or darkness of faxes you send.	3-6
		2.Fax Resolution	Standard Fine S.Fine Photo	Sets the default resolution for outgoing faxes.	3-7
		3.Delayed Fax	—	Set the time of day in 24 hour format that the delayed faxes will be sent.	3-13
		4.Batch TX	On Off	Combines delayed faxes to the same fax number at the same time of day into one transmission.	3-13
		5.Real Time TX	Off On Next Fax Only	You can send a fax without using the memory.	3-9
		6.Polled TX	Standard Secure	Sets up the document on your machine to be retrieved by another fax machine.	3-14
		7.Overseas Mode	On Off	If you are having difficulty sending faxes overseas, set this to On.	3-12
		0.Scan Size	Letter A4	Adjust the scan area of the scanner glass to the size of the document.	3-17



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
2.Fax (Continued)	3.Set Quick-Dial	1.Speed-Dial	—	Stores Speed-Dial numbers, so you can dial by pressing only a few keys (and Start).	5-1
		2.Setup Groups	—	Sets up a Group number for Broadcasting.	5-3
	4.Report Setting	1.Transmission	On On+Image Off Off+Image	Initial setup for Transmission Verification Report and Journal Report.	8-1
		2.Journal Period	Every 7 Days Every 2 Days Every 24 Hours Every 12 Hours Every 6 Hours Every 50 Faxes Off		8-2
	5.Remote Fax Opt	1.Forward/ Store	Off Fax Forward Fax Storage PC Fax Receive	Sets the machine to forward fax messages, to store incoming faxes in the memory (so you can retrieve them while you are away from your machine), or to send faxes to your PC.	6-2
		2.Remote Access	---*	You must set your own code for Remote Retrieval.	6-5
		3.Print Document	—	Prints incoming faxes stored in the memory.	4-8



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
2.Fax (Continued)	6.Remaining Jobs	—	—	Checks which jobs are in the memory and lets you cancel selected jobs.	3-10
	7.Setup TAD	1. OGM	TAD Message F/T Message	Play/Record or erase the outgoing message.	7-2
		2. ICM Max. Time	180 Sec 120 Sec 60 Sec 30 Sec	Select the maximum length of incoming messages.	7-6
		3. ICM Rec. Monitr	On Off	Allows you to turn the speaker volume for voice messages as they come in On or Off.	7-6
	0.Miscellaneous	1.Mem Security	—	Prohibits most functions except receiving faxes into memory.	3-15
		2.Compatibility	Normal Basic	Adjust the Equalization for transmission problems.	13-14
		3.Distinctive (Not available in New Zealand)	On Off	Use with phone company distinctive ringing service allows you to have a voice number and fax number on the one phone line.	A-3 A-11
		3.Fax Ability (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.	A-8
		4.Caller ID	Display# Print Report	View or print a list of the last 30 Caller IDs stored in memory.	A-5 A-10 A-13
3.Copy	1.Quality	—	Best Normal Fast	Selects the Copy resolution for your type of document.	9-13
	2.Brightness	—	- □□□□■ + - □□□■□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Adjusts the brightness.	9-13
	3.Contrast	—	- □□□□■ + - □□□■□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Adjusts the contrast for copies.	9-13



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
3.Copy (Continued)	4.Color Adjust	1.Red	R:- □□□□■ + R:- □□□□■ + R:- □□□□■ + R:- □■□□□ + R:- ■□□□□ +	Adjusts the amount of Red in copies.	9-14
		2.Green	G:- □□□□■ + G:- □□□□■ + G:- □□□□■ + G:- □■□□□ + G:- ■□□□□ +	Adjusts the amount of Green in copies.	
		3.Blue	B:- □□□□■ + B:- □□□□■ + B:- □□□□■ + B:- □■□□□ + B:- ■□□□□ +	Adjusts the amount of Blue in copies.	
4.PhotoCapture	1.Print Quality	—	Normal Photo	Selects the print quality.	10-9
	2.Paper & Size	—	Letter Glossy 10x15cm Glossy 13x18cm Glossy A4 Glossy Letter Plain A4 Plain Letter Inkjet A4 Inkjet 10x15cm Inkjet	Selects the paper and print size.	10-9
	3.Brightness	—	- □□□□■ + - □□□□□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Adjusts the brightness.	10-9
	4.Contrast	—	- □□□□■ + - □□□□□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Adjusts the contrast.	10-10



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
4.PhotoCapture (Continued)	5.Color Enhance	On Off	1.White Balance - □□□□■ + - □□□■□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Adjusts the hue of the white areas.	10-10
			2.Sharpness - □□□□■ + - □□□■□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Enhances the detail of the image.	
			3.Color Density - □□□□■ + - □□□■□ + - □□■□□ + - □■□□□ + - ■□□□□ +	Adjusts the total amount of colour in the image.	
	6.Cropping	—	On Off	Crops the image around the margin to fit the paper size or print size. Turn this feature Off if you want to print whole images or prevent unwanted cropping.	10-12
	7.Borderless	—	On Off	Expands the printable area to fit the edges of the paper	10-12
	8.Scan to Card	1.Quality	B/W 200x100 dpi B/W 200 dpi Color 150 dpi Color 300 dpi Color 600 dpi	Selects the Scan resolution for your type of document.	10-14
		2.B/W File Type	TIFF PDF	Selects the default file format for black and white scanning.	10-14
		3.ColorFile Type	PDF JPEG	Selects the default file format for colour scanning.	10-14



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
5.LAN	1.TCP/IP (Wired)	1.BOOT Method	Auto Static RARP BOOTP DHCP	You can choose the BOOT method that best suits you needs.	See Network User's Guide on the CD-ROM
		2.IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.	
		3.Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.	
		4.Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.	
		5.Node Name	BRN_XXXXXX	Enter the Node name.	
		6.WINS Config	Auto Static	You can choose the WINS configuration mode.	
		7.WINS Server	(Primary) [000-255]. [000-255]. [000-255]. [000-255] (Secondary) [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary server.	
		8.DNS Server	(Primary) [000-255]. [000-255]. [000-255]. [000-255] (Secondary) [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary server.	
		9.APIPA	On Off	Automatically allocates the IP address from the link-local address range.	



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
5. LAN (Continued)	2. TCP/IP (WLAN)	1. BOOT Method	Auto Static RARP BOOTP DHCP	You can choose the BOOT method that best suits you needs.	See Network User's Guide on the CD-ROM
		2. IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address	
		3. Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.	
		4. Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.	
		5. Node Name	BRW_XXXXXX	Enter the Node name.	
		6. WINS Config	Auto Static	You can choose the WINS configuration mode.	
		7. WINS Server	(Primary) [000-255]. [000-255]. [000-255]. [000-255] (Secondary) [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary server.	
		8. DNS Server	(Primary) [000-255]. [000-255]. [000-255]. [000-255] (Secondary) [000-255]. [000-255]. [000-255]. [000-255]	Specifies the IP address of the primary or secondary server.	
		9. APIPA	On Off	Automatically allocates the IP address from the link-local address range.	



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page	
5.LAN (Continued)	3.Setup WLAN	1.Setup Wizard	—	You can configure your print server.	See Network User's Guide on the CD-ROM	
		2.SecurEasySetup	—	You can configure the wireless network easily.		
	4.WLAN Status	1.Status	—	You can see the current wireless network status.		
		2.Signal	—	You can see the current wireless network signal strength.		
		3.SSID	—	You can see the current SSID.		
		4.Comm.Mode	—	You can see the current Communication Mode.		
		5.Security Mode	—	You can see the current wireless network security settings.		
	5.Setup Misc.	1.Wired LAN	Auto 100B-FD 100B-HD 10B-FD 10B-HD	Selects Ethernet link mode.		
		2.Time Zone	GMT+10:00 (Example for Australia)	Sets the time zone for your country.		
	6.Network I/F	—	Wired LAN WLAN	You can choose the network connection type.		
	0.Factory Reset	1.Reset	—	Restores all wired and wireless network settings to the factory default.		
		2.Exit	—			
6.Print Reports	1.XMIT Verify	—	—	You can print these lists and reports.	8-3	
	2.Help List	—	—			
	3.Quick-Dial	—	—			
	4.Fax Journal	—	—			
	5.User Settings	—	—			
	6.Network Config	—	—			



The factory settings are shown in Bold.

Main Menu	Submenu	Menu Selections	Options	Descriptions	Page
0.Initial Setup	1.Receive Mode	—	Fax Only Fax/Tel Manual	You can choose the receive mode that best suits your needs.	4-1
	2.Date/Time	—	—	Puts the date and time on the LCD and in headings of faxes you send.	2-1
	3.Station ID	—	Fax : Name :	Program your name and fax number to appear on each page you fax.	2-2
	4.Tone/Pulse (Not available in New Zealand)	—	Tone Pulse	Selects the dialling mode.	2-1
	5.Dial Tone	—	Detection No Detection	Turns Dial Tone Detection on or off.	13-14
	6.Phone Line Set (for Australia and New Zealand)	—	Normal PBX ISDN	Select the phone line type.	2-3



The factory settings are shown in Bold.

Entering Text

When you are setting certain menu selections, such as the Station ID, you may need to type text into the machine. Most number keys have three or four letters printed above them. The keys for **0**, **#** and ***** do not have printed letters because they are used for special characters. By pressing the appropriate number 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

Inserting spaces

To enter a space in the fax number, press ► once between numbers.
To enter a space in the name, press ► twice between characters.

Making corrections

If you entered a letter incorrectly and want to change it, press ◀ to move the cursor under the incorrect character. Then press **Stop/Exit**. All letters above and to the right of the cursor will be deleted. Re-enter the correct character. You can also back up and type over incorrect letters.

Repeating letters

If you need to enter a character that is on the same key as the previous character, press ► to move the cursor to the right before you press the key again.

Special characters and symbols

Press *****, **#** or **0**, and then press ◀ or ► to move the cursor under the special character or symbol you want. Then press **Menu/Set** to select it.

Press *	for	(space) ! " # \$ % & ' () * + , - . / €
Press #	for	; < = > ? @ [] ^ _
Press 0	for	Ä Æ Ö Ü À Ç È É 0

Glossary

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 the machine or pressing **Speaker Phone**.

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 (Monochrome faxes only) As a cost saving feature, all delayed faxes to the same fax number will 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 subscriber service purchased from the telephone company that lets you see the number (or name) of the party calling you. Your machine stores the latest callers so you can print a Log and view caller information.

Cancel Job Cancels a programmed job, like Delayed Fax or Polling.

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.

- Communication error (or 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.
- Colour Enhancement** Adjusts the colour in the image for better print quality by improving sharpness, white balance and colour density.
- Delayed Fax** Sends your fax at a specified later time that day.
- Dual Access** Your machine can scan outgoing faxes or scheduled jobs into memory at the same time it is sending a fax or receiving or printing an incoming fax.
- ECM (Error Correction Mode)** Detects errors during fax transmission and resends the pages of the fax that had an error.
- Extension phone** A telephone on the fax number that is plugged into a separate wall socket.
- External phone** 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 Receive Code** Press this code [*** 51 (* 91 for New Zealand)**] when you answer a fax call on an extension or external phone.
- Fax Storage** You can store 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 x 196 dpi. It is used for small print and graphs.

Gray scale The shades of gray available for copying and faxing photographs.

Group number A combination of Speed-Dial numbers that are stored in a Speed-Dial location for Broadcasting.

Help list A printout of the complete Menu table that you can use to program your machine when you do not have the User's Guide with you.

Fax Journal Lists information about the last 200 incoming and outgoing faxes. TX means Transmit. RX means Receive.

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 the machine or press **Speaker Phone** so you can hear the receiving fax machine answer before you press **Mono Start** or **Colour Start** to begin transmission.

Menu mode Programming mode for changing your machine's settings.

OCR (optical character recognition) The bundled ScanSoft® OmniPage® software application converts an image of text to text you can edit.

Out of Paper Reception Receives faxes into the machine's memory when the machine is out of paper.

Overseas Mode Makes temporary changes to the fax tones to accommodate noise and static on overseas phone lines.

Pause Allows you to place a 3.5 second delay in the dialling sequence stored on Speed-Dial numbers. Press **Redial/Pause** as many times as needed for longer pauses.

PhotoCapture Center™ Allows you to print digital photos from your digital camera at high resolution for photo quality printing or to scan documents to a media card.

Photo resolution A resolution setting that uses varying shades of gray for the best representation of photographs.

Polling The process of a fax machine calling another fax machine to retrieve waiting fax messages.

Pulse A form of rotary dialling on a telephone line.

Quick Dial List A listing of names and numbers stored in Speed-Dial memory, in numerical order.

Real Time Transmission When memory is full, you can send faxes in real time.

Remaining jobs You can check which jobs are waiting in memory and cancel jobs individually.

Remote Access Code Your own four-digit code (--- ✱) that allows you to call and access your machine from a remote location.

Remote Retrieval Access The ability to access your machine remotely from a touch tone phone.

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, Fax/Tel and TAD:Msg Mgr mode.

Ring Volume Volume setting for the machine's ring.

Scanning The process of sending an electronic image of a paper document into your computer.

Scan to Card You can scan a black and white or colour document into a Media Card. Black and white images will be in TIFF or PDF file format and colour images may be in PDF or JPEG file format.

Search An electronic, alphabetical listing of stored Speed-Dial and Group numbers.

Speed-Dial A pre-programmed number for easy dialling. You must press the **Search/Speed Dial**, **#**, and the two digit code and **Mono Start** or **Colour Start** to start the dialling process.

Standard resolution 203 x 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 392 x 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 select certain options for each fax transmission and copy without changing the default settings.

Tone A form of dialling on the telephone line used for Touch Tone telephones.

Transmission The process of sending faxes over the phone lines from your machine to the receiving fax machine.

Transmission Verification Report A listing for each transmission, that shows its date, time and number.

User Settings A printed report that shows the current settings of the machine.

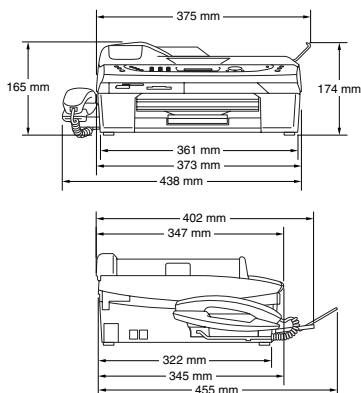
S Specifications

Product description

General

Memory Capacity	16 MB
Automatic Document Feeder (ADF)	Up to 10 pages
Paper Tray	100 Sheets (80 gsm)
Printer Type	Ink Jet
Print Method	Piezo with 74×5 nozzles
LCD (Liquid Crystal Display)	16 characters $\times$ 2 lines, Back light
Power Source	220 - 240V 50/60Hz
Power Consumption	Power Save Mode: Average 4 W Standby: Average 9 W Operating: Average 25 W

Dimensions



Weight	6.1 kg	
Noise	Operating:	42.5 to 51 dB*
		* It depends on printing conditions
Temperature	Operating:	10 - 35°C
	Best Print Quality:	20 - 33°C
Humidity	Operating:	20 to 80% (without condensation)
	Best Print Quality:	20 to 80% (without condensation)

Print media

Paper Input

Paper Tray

- Paper type:
Plain paper, inkjet paper (coated paper), glossy paper^{*2}, transparencies^{*1*2} and envelopes
- Paper size:
Letter, Legal^{*3}, Executive, A4, A5, A6, JIS_B5, envelopes (commercial No.10, DL, C5, Monarch, JE4), Photo card, Index card and Post card.
For more details, see *Paper weight, thickness and capacity* on page 1-12.
- Maximum paper tray capacity: Approx. 100 sheets of 80 gsm plain paper

Paper Output

Up to 25 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} Legal paper cannot be stacked on the output paper tray.

Copy

Colour/Black

Colour/Black

Document Size

ADF Width: 147 mm to 216 mm

ADF Height: 147 mm to 356 mm

Scanner Glass Width: Max. 216 mm

Scanner Glass Height: Max. 297 mm

Scanning Width

210 mm

Copy Speed

Black

Up to 17 pages/minute (A4 paper)*

Colour

Up to 11 pages/minute (A4 paper)*

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

Based on Brother standard pattern. (Fast mode/Stack Copy)

Copy speeds vary with the complexity of the document.

Multiple Copies

Stacks/Sorts up to 99 pages

Enlarge/Reduce

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

Resolution

Plain, inkjet or glossy paper:

Scans up to 600×600 dpi

Prints up to 1200×1200 dpi (Monochrome)

Prints up to 600×1200 dpi (Colour)

OHP/transparency:

Scans up to 600×600 dpi

Prints up to 1200×1200 dpi

PhotoCapture Center™

Available Media	CompactFlash® (Type I only) (Microdrive™ is not compatible) (Compact I/O card such as Compact LAN card and Compact Modem card are not supported.) SmartMedia® (3.3V) (Not available for use with ID) Memory Stick® Memory Stick Pro™ (Not available for music data with MagicGate™) SecureDigital™ MultiMediaCard™ xD-Picture Card™*
	* xD-Picture Card™ Conventional Card 16 MB - 512 MB * xD-Picture Card™ Type M 512 MB - 1GB
File Extension (Media Format) (Image Format)	DPOF, EXIF, DCF Photo Print: JPEG* Scan to Card: JPEG, PDF (Colour) TIFF, PDF (Black)
	* Progressive JPEG format is not supported.
Number of Files	Up to 999 files in the media card
Folder	File must be in the 3rd folder level of the Media Card.
Borderless	Letter, A4, Photo Card

Fax

Compatibility	ITU-T Group 3
Coding System	MH/MR/MMR/JPEG
Modem Speed	Automatic Fallback 14400 bps
Document Size	ADF Width: 147 mm to 216 mm ADF Height: 147 mm to 356 mm Scanner Glass Width: Max. 216 mm Scanner Glass Height: Max. 297 mm
Scanning Width	208 mm
Printing Width	204 mm
Gray Scale	256 levels
Polling Types	Standard, Secure, Timer, Sequential: (Monochrome only)
Contrast Control	Automatic/Light/Dark (manual setting)
Resolution	• Horizontal 203 dot/inch (8 dot/mm) • Vertical Standard - 3.85 line/mm (Black) 7.7 line/mm (Colour) Fine - 7.7 line/mm (Black/Colour) Photo - 7.7 line/mm (Black) Superfine - 15.4 line/mm (Black)
Speed-Dial	80 stations
Broadcasting	130 stations
Automatic Redial	3 times at 5 minute intervals
Auto Answer	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 and PBX
Memory Transmission	Up to 480* ¹ /400* ² pages
Out of Paper Reception	Up to 480* ¹ /400* ² pages

*1 "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.

*2 "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.

Scanner

Colour/Black	Colour/Black
TWAIN Compliant	Yes (Windows® 98/98SE/Me/2000 Professional/XP) Mac OS® 9.1-9.2/Mac OS® X 10.2.4 or greater
WIA Compliant	Yes (Windows® XP)
Colour Depth	36 bit colour processing (Input) 24 bit colour processing (Output)
Resolution	Up to 19200 × 19200 dpi (interpolated) Up to 600 × 2400 dpi (optical)
Scanning Speed	Colour: up to 5.93 sec. Black: up to 3.76 sec. (A4 size in 100 × 100 dpi)
Document Size	ADF Width: 147 mm to 216 mm ADF Height: 147 mm to 356 mm Scanner Glass Width: Max. 216 mm Scanner Glass Height: Max. 297 mm
Scanning Width	210 mm
Gray Scale	256 levels

Printer

Printer Driver	Windows® 98/98SE/Me/2000 Professional and XP driver supporting Brother Native Compression mode and bi-directional capability Brother Ink Driver For Mac OS® 9.1-9.2/Mac OS® X 10.2.4 or greater
Resolution	Up to 1200 x 6000 dots per inch (dpi)* 1200 x 1200 dots per inch (dpi) 600 x 600 dots per inch (dpi) 600 x 150 dots per inch (dpi) * Output image quality varies based upon many factors including but not limited to input image resolution and quality and print media.
Print Speed	up to 20 pages/minute (Black)* up to 15 pages/minute (Colour)* * Based on Brother standard pattern. A4 size in draft mode. Does not include the time it takes to feed the paper.
Printing Width	204 mm (216 mm)* * When you set the Borderless feature to ON.
Disk-Based Fonts	35 TrueType Fonts bundled with the CD-ROM
Borderless	Letter, A4, A6, Photo Card, Index Card, Post Card, Envelope

Interfaces

USB

A Full-Speed USB 2.0 cable that is no longer than 2.0 m.*

LAN cable

Ethernet UTP cable category 5 or greater.

Wireless LAN

Your machine supports IEEE 802.11 b/g wireless communication with your wireless LAN using infrastructure mode or a wireless Peer-to-Peer connection in Ad-Hoc mode.

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

S - 9 SPECIFICATIONS

¹Wireless 802.11 b/g is not available for Mac OS® 9.1-9.2.

²PC Fax supports black and white faxing only.

³ Dedicated Scan to key and network scanning not available for Mac OS® 9.1-9.2.

Removable disk is a function of the PhotoCapture Center™.

Consumable items

Ink

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

Service Life of Ink Cartridge

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

- The above figures assume continuous printing at a resolution of 600 x 600 dpi in normal mode after installing new ink cartridge.
- The number of pages a cartridge will print may change depending on how often you use the machine and how many pages you print with each use.
- The machine will automatically and periodically clean the print head assembly, a process that uses a small amount of ink.
- The first time you install a set of ink cartridges the machine will use a small amount of ink to fill and prime the ink delivery tubes. This process will only happen once.
- When the machine identifies a cartridge as empty there may be a small amount of ink left in it. This is necessary to prevent air from drying out and damaging the print head assembly.

Replacement Consumables

<Standard Black> LC47BK

<Cyan> LC47C

<Magenta> LC47M

<Yellow> LC47Y



Brother does not recommend the use of consumables other than genuine Brother consumables. Your machine warranty may not cover any damage arising from the use of non genuine Brother consumables.

Network (LAN)

LAN

You can connect your machine to a network for Network Printing, Network Scanning, PC Fax Send and PC-Fax Receive (Windows® only). Also included is Brother BRAdmin Professional Network Management software.

Support for

Windows® 98/98SE/Me/2000/XP
Mac OS® 9.1 - 9.2, 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
ARP, RARP, BOOTP, DHCP, APIPA, NetBIOS,
WINS, LPR/LPD, Port9100, mDNS, FTP, TELNET,
SNMP, TFTP, Scanner port

Included Utilities:

BRAdmin Professional (Windows®)



- Wireless LAN is not available for Mac OS® 9.1-9.2.
- BRAdmin Professional is not supported in Mac OS®.
- BRAdmin Light is available for Mac OS® X 10.2.4 or greater users.
For more information, please visit the Brother Solutions Center. (<http://solutions.brother.com>)
- Network Scanning and Remote Setup are available for Mac OS® X 10.2.4 or greater.

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W

Wireless Network
See Quick Setup Guide and
Network User's Guide on the
CD-ROM.

Remote Retrieval Access card

If you plan to retrieve voice or fax messages while away from your machine, carrying the Remote Retrieval Access Card printed below will serve as a convenient reminder of the retrieval procedures. Simply cut out the card and fold it to fit in your wallet or organizer. Keeping it handy will help you derive the full benefit of your machine's Fax Forwarding, and Remote Retrieval features.

Changing Remote Access Code 1 Press Menu/Set, 2, 5, 2. 2 Enter a three-digit number from 000 to 998. The * cannot be changed. 3 Press Menu/Set. 4 Press Stop/Exit. Remote Commands Listen to Voice Messages Press 9 1 <i>then to</i> Repeat a message, press 1. Skip to next messages, press 2. Stop playing the messages, press 9.	Erase All Voice Messages Press 9 3. If you hear three beeps, all messages have not yet been played and the system will not erase them. Play/Record Outgoing Message Press 9 4 <i>then to</i> Play TAD Message, press 1 1. Play F/T Message, press 1 2. Record new TAD Message. Press 2 1, then speak after the beep. Press 9 to stop. Record new F/T Message, press 2 2. and then speak after the beep. Press 9 to stop.	Change Fax Forwarding Setting Press 9 5 <i>then to</i> Turn Feature OFF, press 1. Enter Fax Forwarding Number, press 2. Program Fax Forward Number, press 4. Enter the new number of the remote fax machine where you want your fax messages forwarded followed by #. Select Fax Storage, press 6. Retrieve a Fax Press 9 6 <i>then to</i> Retrieve all faxes, press 2, then enter the number of the remote fax machine followed by #. After the beep, hang up and wait. Erase all fax messages, press 3.
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Check Receiving Status Press 9 7 <i>then for</i> Fax messages, press 1. Voice messages, press 2. 1 long beep — Received message 3 short beeps — No messages Change Receive Mode Press 9 8 <i>then for</i> TAD, press 1. Fax/Tel, press 2. Fax Only, press 3. Exit Remote Retrieval Press 9 0	
TAD (Telephone Answering Device) REMOTE RETRIEVAL ACCESS CARD Using Remote Access Code 1 Dial your fax number from a telephone or fax machine using touch tone. 2 When your machine answers, immediately enter your Remote Access Code (3 digits followed by *). 3 Your fax machine signals the kinds of messages it received: 1 long beep — Fax messages 2 long beeps — Voice messages 3 long beeps — Voice and Fax messages - No beeps — No messages 4 After 2 short beeps, enter a command. 5 Press 9 0 to reset the fax machine when you finish. 6 Hang up.	

For Australia

Warranty – For details about the warranty on your Brother Product, please visit: www.brother.com.au

Repair – For warranty service for your Brother Product you will need evidence of original purchase (e.g. a copy of the sales docket).

Contact Brother International (Aust) Pty Ltd for details about your nearest Authorised Warranty Centre or visit: www.brother.com.au.

Support – For support for your Brother Product other than what you can resolve through the User Guide,

Visit our website: www.brother.com.au

or visit our Solutions website for FAQs (Frequently Asked Questions), Driver Updates & Utilities, Product Support:

<http://solutions.brother.com>.

You can contact the Product Support Centre for any technical or customer care/support enquiry you may have about your Brother Product.

Product Support Centre - Australia

Brother International (Aust) Pty Ltd

Phone: 02 8875 6000 Fax: 02 9870 7223

email: productsupport@brother.com.au

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



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.