

USER'S GUIDE



MFC-790CW MFC-990CW

Version D

ARL/ASA/NZ

If you need to call Customer Service
Please complete the following information for future reference:
Model Number: MFC-790CW and MFC-990CW (Circle your model number)
Serial Number: ¹
Date of Purchase:
Place of Purchase:
¹ The serial number is on the back of the unit. Retain this User's Guide with your sales receipt as a permanent record of your purchase, in the event of theft, fire or warranty service.

Register your product on-line at

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

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

- may serve as confirmation of the purchase date of your product should you lose your receipt; and
- may support an insurance claim by you in the event of product loss covered by insurance.

Approval Information and Compilation and Publication Notice

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

APPROVAL INFORMATION

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

Compilation and Publication Notice

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

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

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

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Section I

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General Information

Using the documentation

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

Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

- Bold Bold typeface identifies specific buttons on the machine's control panel, or on the computer screen.
- Italics Italicized typeface emphasizes an important point or refers you to a related topic.
- Text in Courier New font Courier New identifies messages on the LCD of the machine.



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





Electrical Hazard icons alert you to possible electrical shock.



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



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

Accessing the Software User's Guide and Network User's Guide

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

Viewing Documentation

Viewing Documentation (For Windows[®])

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

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

1

Turn on your PC. Insert the Brother CD-ROM into your CD-ROM drive.

If the model name screen appears, click your model name.

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



Mote

4

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

Click Documentation.

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

This format is recommended for viewing on your computer.

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

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

How to find Scanning instructions

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

Software User's Guide

- Scanning (For Windows[®] 2000 Professional/Windows[®] XP and Windows Vista[®])
- ControlCenter3 (For Windows[®] 2000 Professional/Windows[®] XP and Windows Vista[®])
- Network Scanning

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

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

Presto![®] PageManager[®] User's Guide

(Hong Kong users only)

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

How to find Network setup instructions

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

Viewing Documentation (For Macintosh[®])

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



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



- Click the documentation you want to read:
 - Software User's Guide
 - Network User's Guide

How to find Scanning instructions

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

Software User's Guide

- Scanning (For Mac OS[®] X 10.2.4 or greater)
- ControlCenter2 (For Mac OS[®] X 10.2.4 or greater)
- Network Scanning (For Mac OS[®] X 10.2.4 or greater)

Presto![®] PageManager[®] User's Guide

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

How to find Network setup instructions

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

Accessing Brother Support (For Windows[®])

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

Click Brother Support on the Main Menu. The following screen will appear:



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

Control panel overview

MFC-790CW



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MFC-990CW



Note

Most of the illustrations in this User's Guide show the MFC-790CW.

1 Power Save

Lets you put the machine into Power Save mode.

2 TAD keys:

Digital TAD

Turns the Telephone Answering Device (TAD) on or off. Will also flash if you have new messages.

- Play/Record (MFC-790CW) Plays voice messages stored in the memory. Will also let you record telephone calls.
- Play (MFC-990CW)
 Plays voice messages stored in memory.
- Erase/Hold (MFC-790CW) Deletes voice messages. Also, puts the current phone call on hold.
- Erase (MFC-990CW) Deletes voice messages.





3 Fax and telephone keys:

Speaker Phone

Lets you speak to another party without lifting the handset.

Recall

Use this key to gain access to an outside line (for Australia and New Zealand only), or transfer a call to another extension when it is connected to a PABX.

Hold/Intercom (MFC-990CW only)
 Puts the current phone call on hold.

Also, press this key to speak on the intercom or to transfer an incoming call to the cordless handset.

- Redial (MFC-790CW) Redials one of the last 30 numbers called.
- Pause (MFC-790CW)
 Inserts a pause when dialling numbers.
 This function transfers to the touchscreen during some operations.
- Redial/Pause (MFC-990CW)

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

4 Dial Pad

Use these keys to dial telephone and fax numbers and as a keyboard for entering information into the machine. This function transfers to the touchscreen during some operations.

The **#** key lets you temporarily switch the dialling mode during a telephone call from Pulse to Tone. (Not Available in New Zealand)

5 LCD (liquid crystal display)

This is a Touchscreen LCD. You can access the menus and options by pressing buttons displayed on the screen.

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

6 Mode keys:

Fax

Lets you access Fax mode.

Scan

Lets you access Scan mode.

■ Сору

Lets you access Copy mode.

Photo Capture

Lets you access PhotoCapture Center™ mode.

7 Microphone 🖳

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

8 Stop/Exit

Stops an operation or exits from a menu.

9 Start keys:

Colour Start

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

Mono Start

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

LCD screen indications

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



1 Wireless Status

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



2 Memory Status

Lets you see the available memory in the machine.

3 Current Receive Mode

Lets you see the current receive mode.

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

4 Ink indicator

Lets you see the available ink volume. Also, lets you access the Ink menu.

5 Speed Dial

Lets you search the number you want to fax/dial.

6 MENU

Lets you access the main menu.

7 Faxes in memory

Shows how many received faxes are in the memory.

8 Fax Preview

Lets you preview received faxes.

9 New Fax(es)

When Fax Preview is set to On, you can see how many new faxes you have received.

10 Voice messages in the machine's memory Shows how many received voice messages are in the memory.

11 History

Lets you view a list of outgoing calls and the caller ID history.

Also, lets you fax or call the number you have chosen from the lists.

12 Warning icon

Appears when there is an error or maintenance message; press the Warning icon to view it, and then press **x** to return to the Ready screen.

Basic Operations

To operate the Touchscreen use your finger to press the MENU or option button directly on the LCD screen. To display and access all the screen menus or options in a setting, press ▲ ▼ or ◀ ► to scroll through them.

The following steps show how to change a setting in the machine. In this example the Sleep mode setting is changed from 30 Mins to 10 Mins.



Press MENU.

Press ▲ or ▼ to display General Setup.

MENU	5
General Setup	
Fax	
Network	

Press General Setup.

Press ▲ or ▼ to display Sleep Mode.

General Setup	l	5
LCD Settings		
Sleep Mode	30 Mins	

Press Sleep Mode.

Press 10 Mins.

Sleep Mode	
1 Min	2 Mins
3 Mins	5 Mins
10 Mins	

Press Stop/Exit.

2

Loading paper and documents

Loading paper and other print media

Note

To print on 10 x 15 cm or Photo L paper, you must use the photo paper tray. (See *Loading photo paper* on page 14.)

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



Lift the output paper tray (1).



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



🖉 Note

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



6 Gently adjust the paper side guides (1) 4 Fan the stack of paper well to avoid paper jams and misfeeds. to the paper with both hands. Make sure the paper side guides touch the sides of the paper. Note Always make sure that the paper is not curled. 5 Gently put the paper into the paper tray print side down and top edge in first. Check that the paper is flat in the tray. Close the output paper tray. Note Be careful that you do not push the paper

in too far; it may lift at the back of the tray

and cause feed problems.

8 Slowly push the paper tray completely into the machine.



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



🖉 Note

Do not use the paper support flap for Legal paper.

Loading envelopes and post cards

About envelopes

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



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

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



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

How to load envelopes and postcards

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

🖉 Note

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



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



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

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





Loading photo paper

Use the photo paper tray which is located on the top of the output paper tray to print on Photo (10×15 cm) and Photo L size paper. When you use the photo paper tray, you do not have to take out the paper that is in the tray beneath it.

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



3 Photo Paper Tray

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



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

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

Note

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

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



Removing small printouts from the machine

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



Printable area

The printable area depends on the settings in the application you are using. The figures below show the unprintable areas on cut sheet paper and envelopes. The machine can print in the shaded areas of cut sheet paper when the Borderless print feature is available and turned on. (See *Printing for Windows*[®] or *Printing and Faxing for Macintosh*[®] in the Software User's Guide on the CD-ROM.)

Cut Sheet Paper



Envelopes



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

🖉 Note

The Borderless feature is not available for envelopes.

Acceptable paper and other print media

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

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

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

We recommend testing various paper types before buying large quantities.

For best results, use Brother paper.

- When you print on inkjet paper (coated paper), transparencies and photo paper, be sure to choose the correct print media in the 'Basic' tab of the printer driver or in the Paper Type setting of the menu. (See Paper Type on page 25.)
- When you print on Brother Photo paper, load one extra sheet of the same photo paper in the paper tray. An extra sheet has been included in the paper package for this purpose.
- When you use transparencies or photo paper, remove each sheet at once to prevent smudging or paper jams.
- Avoid touching the printed surface of the paper immediately after printing; the surface may not be completely dry and may stain your fingers.

Recommended print media

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

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

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

Brother paper

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

Handling and using print media

- Store paper in its original packaging, and keep it sealed. Keep the paper flat and away from moisture, direct sunlight and heat.
- Avoid touching the shiny (coated) side of photo paper. Load photo paper with the shiny side facing down.
- Avoid touching either side of transparencies because they absorb water and perspiration easily, and this may cause decreased output quality. Transparencies designed for laser printers/copiers may stain your next document. Use only transparencies recommended for inkjet printing.
- You can only print on both sides of the paper with PC printing. See *Printing for Windows*[®] in the Software User's Guide on the CD-ROM.

Chapter 2



DO NOT use the following kinds of paper:

• Damaged, curled, wrinkled, or irregularly shaped paper



- 1 2 mm or greater
- Extremely shiny or highly textured paper
- Paper that cannot be arranged uniformly when stacked
- Paper made with a short grain

Paper capacity of the output paper tray

Up to 50 sheets of 80 gsm A4 paper.

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

Choosing the right print media

Paper type and size for each operation

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

Paper Type		Weight Thickness		No. of sheets	
Cut	Plain Paper	64 to 120 gsm	0.08 to 0.15 mm	100 ¹	
Sheet	Inkjet Paper	64 to 200 gsm	0.08 to 0.25 mm	20	
	Glossy Paper	Up to 220 gsm	Up to 0.25 mm	20 ²³	
Cards	Photo Card	Up to 220 gsm	Up to 0.25 mm	20 ²³	
	Index Card	Up to 120 gsm	Up to 0.15 mm	30	
	Postcard	Up to 200 gsm	Up to 0.25 mm	30	
Envelopes		75 to 95 gsm	Up to 0.52 mm	10	
Transparencies		-	-	10	

Paper weight, thickness and capacity

¹ Up to 100 sheets of 80 gsm paper.

² For Photo 10×15 cm paper and Photo L paper, use the photo paper tray. (See *Loading photo paper* on page 14.)

³ BP71 (260 gsm) paper is especially designed for Brother inkjet machines.

Loading documents

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

Using the ADF

The ADF can hold up to 15 pages and feeds each sheet individually. Use standard 80 gsm paper and always fan the pages before putting them in the ADF.

Recommended environment

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

Document Sizes Supported

Length:	148 to 355.6 mm
Width:	148 to 215.9 mm
Weight:	64 to 90 gsm

How to load documents



DO NOT pull on the document while it is feeding.

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

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

Make sure documents are completely dry.

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



CAUTION

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

Using the scanner glass

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

Document Sizes Supported

Length:	Up to 297 mm
Width:	Up to 215.9 mm
Weight:	Up to 2 kg

How to load documents

Note Note

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

Lift the document cover.

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





CAUTION

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

Scannable area

The scannable area depends on the settings in the application you are using. The figures below show the areas you cannot scan on paper.



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

3

General setup

Power Save mode

You can put the machine into Power Save mode by pressing the **Power Save** key. You can still receive telephone calls in Power Save mode (MFC-790CW only). For further information on receiving faxes in the Power Save condition, please see the table on page 24. The delayed faxes that have been set up will be sent. You can even retrieve faxes using Remote Retrieval if you are away from your machine. If you want to do other operations, you must take the machine out of Power Save mode.



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

Putting your machine in Power Save mode

 Press the **Power Save** key. The LCD will tell you that you cannot use the phone once it is switched off. Press Yes.

The LCD shows Shutting Down and will stay on for a few seconds before going off.

Bringing your machine out of Power Save mode

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



- Even if you have put the machine into Power Save mode, it will periodically clean the print head to preserve print quality.
- 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 *Power Save setting* on page 23.)

Power Save setting

You can customize the machine's **Power Save** key. The factory setting is Fax Receive:On. Your machine can receive faxes (or calls for MFC-790CW only) even when the machine is in Power Save mode. If you do not want your machine to receive faxes (or calls for MFC-790CW only), turn this setting to Fax Receive:Off.

1 Press MENU.

- Press ▲ or ▼ to display General Setup.
- **3 Press** General Setup.
- Press ▲ or ▼ to display P.Save Setting.
- **5 Press** P.Save Setting.
- **Press** Fax Receive:Off or Fax Receive:On.
 - (MFC-790CW) Go to step ⑧.
 - (MFC-990CW) If you choose Fax Receive:On, go to step ⑦.
 - If you choose Fax Receive:Off, go to step 8.
- Press Ring Tone:On. Make sure you set the Ring Volume to Low, Med or High. (See Ring Volume on page 26.)
- 8 Press Stop/Exit.

Note

If you choose Ring Tone:Off, the machine will not ring when you receive a call.

MFC-790CW

On/Off setting	Receive mode	Available operations
Fax Receive: On ^{1 2} (factory setting)	Fax Only Fax/Tel Manual ³	Fax Receive Fax Detect Delayed Fax ⁴ Fax Forward ⁴ Fax Storage ⁴ Fax Preview ⁴ PC Fax Receive ⁴ Remote Retrieval ⁴
	TAD	Fax Receive Recording Incoming Message Fax Detect Delayed Fax ⁴ Fax Forward ⁴ Fax Storage ⁴ Fax Preview ⁴ PC Fax Receive ⁴ Remote Retrieval ⁴
	Manual	Fax Detect Delayed Fax ⁴
Fax Receive: Off	_	No machine operations will be available other than cleaning the print head.

- ¹ You cannot receive a fax with **Mono Start** or **Colour Start**.
- ² You can receive telephone calls by lifting the handset
- ³ When an external TAD is connected and Fax Detect is turned on.
- ⁴ Set before you switch off the machine.

MFC-990CW

On/Off setting	Receive mode	Available operations
Fax Receive: On ^{1 2} (factory setting)	Fax Only Manual ³	Fax Receive Fax Detect Delayed Fax ⁴ Fax Forward ⁴ Fax Storage ⁴ Fax Preview ⁴ PC Fax Receive ⁴ Remote Retrieval ⁴
	TAD	Fax Receive Recording Incoming Message Fax Detect Delayed Fax ⁴ Fax Forward ⁴ Fax Storage ⁴ Fax Preview ⁴ PC Fax Receive ⁴ Remote Retrieval ⁴
	Manual Fax/Tel ⁵	Fax Detect Delayed Fax ⁴
Fax Receive: Off	—	No machine operations will be available other than cleaning the print head.

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

- ² You cannot receive telephone calls by using the cordless handset.
- ³ When an external TAD is connected and Fax Detect is turned on.
- ⁴ Set before you switch off the machine.
- 5 You cannot receive a fax automatically if you have set the receive mode to <code>Fax/Tel</code>.
3

Mode Timer

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



- **1** Press MENU.
- 2 Press ▲ or ▼ to display General Setup.
- **3 Press** General Setup.
- 4 Press ▲ or ▼ to display Mode Timer.
- 5 Press Mode Timer.
- 6 Press 0 Sec, 30 Secs, 1 Min,2 Mins, 5 Mins or Off.
 - 7 Press Stop/Exit.

Paper settings

Paper Type

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

1 Pr	ess menu.
	ess ▲ or ▼ to display eneral Setup.
3 Pr	ess General Setup.
4 Pr	ess ▲ or ▼ to display Paper Type.
5 Pr	ess Paper Type.
Br	ess Plain Paper, Inkjet Paper, rother BP71, Other Glossy or ransparency.
7 Pr	ess Stop/Exit.
surfa front trans each	te machine ejects paper with printed aces face up onto the paper tray in to f the machine. When you use sparencies or glossy paper, remove to sheet at once to prevent smudging aper jams.

Paper Size

You can use five sizes of paper for copying: Letter, Legal, A4, A5 and 10×15 cm (4 × 6 in.) and three sizes for printing faxes: Letter, Legal and A4. When you change the size of paper you load in the machine, you will need to change the paper size setting at the same time so your machine can fit an incoming fax on the page.

- 1 Press MENU.
- 2 Press ▲ or ▼ to display General Setup.
- **3 Press** General Setup.
- 4 Press ▲ or ▼ to display Paper Size.
- 5 Press Paper Size.
- 6 Press A4, A5, 10x15cm, Letter or Legal.
- 7 Press Stop/Exit.

Volume Settings

Ring Volume

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

The machine will keep the new setting until you change it. You can also change the volume through the menu, by following the instructions below:

Setting the Ring Volume from the menu

1	Press MENU.	
2	Press ▲ or ▼ to display General Setup.	
3	Press General Setup.	
4	Press ▲ or ▼ to display Volume.	
5	Press Volume.	
6	Press Ring.	
7	Press Low, Med, High or Off.	
8	Press Stop/Exit.	

Beeper Volume

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

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

- 1 Press MENU.
- 2 Press **▲** or **▼** to display
 - General Setup.
- 3 Press General Setup.
- 4 **Press** ▲ or ▼ to display Volume.
- 5 Press Volume.
- 6 Press Beeper.
- Press Low, Med, High or Off.
- Press Stop/Exit. 8

Speaker Volume

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

1	Press MENU.
2	Press ▲ or ▼ to display General Setup.
3	Press General Setup.
4	Press ▲ or ▼ to display Volume.
5	Press Volume.
6	Press Speaker.
7	Press Low, Med, High or Off.
8	Press Stop/Exit.
You	can also adjust the speaker volume by ssing Speaker Phone .
1	Press Speaker Phone.
2	Press ◀ or ▶ to display Volume.
3	Press Volume.
4	Press ◀ or ▶. This setting will stay until you change it again.
5	Press Speaker Phone.
	Note
y n	You can adjust the speaker volume while you are listening to your outgoing nessage (OGM) and incoming messages ICM's) by pressing ◀ or ►.
C b le	f you turn Incoming Recording Monitor to DFF the Speaker for screening calls will be disabled and you won't hear callers eaving messages. The volume for other operations can still be controlled using

Interpretation of a state of

Setting Daylight Savings Time

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

- 1 Press MENU.
- 2 Press ▲ or ▼ to display General Setup.
- **3** Press General Setup.
 - 4 Press ▲ or ▼ to display Daylight Save.
- **5 Press** Daylight Save.
- 6 Press Off (or On).
- 7 Press Stop/Exit.

Sleep Mode

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

1	Press MENU.
2	Press ▲ or ▼ to display General Setup.
3	Press General Setup.
4	Press ▲ or ▼ to display Sleep Mode.
5	Press Sleep Mode.

Press 1 Min, 2 Mins, 3 Mins,
 5 Mins, 10 Mins, 30 Mins or
 60 Mins which is the length of time the machine is idle before entering sleep mode.



LCD screen

LCD Contrast

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



Press MENU.



Press **▲** or **▼** to display General Setup.

- **3 Press** General Setup.
- 4 Press ▲ or ▼ to display LCD Settings.
- 5 **Press** LCD Settings.
- 6 Press LCD Contrast.
- 7 **Press** Light, Med **or** Dark.
- 8 Press Stop/Exit.

Setting the backlight brightness

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



- 2 Press ▲ or ▼ to display General Setup.
- 3 Press General Setup.
- 4 Press ▲ or ▼ to display LCD Settings.





- Press Light, Med or Dark.
- 8 Press Stop/Exit.

Setting the Dim Timer for the backlight

You can set how long the LCD backlight stays on for after you go back to the Ready screen.

1	Press MENU.
2	Press ▲ or ▼ to display General Setup.
3	Press General Setup.
4	Press ▲ or ▼ to display LCD Settings.
5	Press LCD Settings.
6	Press Dim Timer.
7	Press 10 Secs, 20 Secs, 30 Secs or Off.
8	Press Stop/Exit.

4

Security features

Memory Security

Memory Security lets you prevent

unauthorized access to the machine. You will not be able to continue to schedule Delayed Faxes or Polling jobs. However, any prescheduled Delayed Faxes will be sent even if you turn on Memory Security, so they will not be lost.

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)
- Cordless handset (MFC-990CW only)
 - Making a call
 - Receiving a call
 - Viewing Caller ID (with subscriber service)

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

- Printing received faxes
- Sending faxes
- Copying
- PC printing
- Scanning
- PhotoCapture
- PC Fax Receive
- Cordless handset (MFC-990CW only)
 - Intercom
 - Transfer a call
 - Register cordless handset
- Operation from control panel

🖉 Note

- To print the faxes in memory, turn off Memory Security.
- You must turn off PC Fax Receive before you can turn on Memory Security.
- If you forget the Memory Security password, please call your Brother dealer for service.

Setting and changing the memory security password

Note

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

Setting a password for the first time

- Press MENU.
 Press ▲ or ▼ to display Fax.
 Press Fax.
 Press ▲ or ▼ to display Miscellaneous.
 Press Miscellaneous.
 Press Mem Security.
 Enter a 4-digit number for the password using the buttons on the LCD. Press OK.
 When the LCD shows Verify:, re-enter the password. Press OK.
- 9 Press Stop/Exit.

Changing your memory security password

- **1** Press MENU.
- Press ▲ or ▼ to display Fax.
- **3** Press Fax.
- Press ▲ or ▼ to display Miscellaneous.
- 5 Press Miscellaneous.
- 6 Press Mem Security.



- 8 Enter the registered 4-digit number for the current password using the buttons on the LCD. Press OK.
- 9 Enter a 4-digit number for a new password using the buttons on the LCD. Press OK.
- When the LCD shows Verify:, re-enter the new password using the buttons on the LCD. Press OK.
- Press Stop/Exit.

Turning the memory security on/off

Turning on the memory security lock

- Press MENU.
 Press ▲ or ▼ to choose Fax.
 Press Fax.
 Press ▲ or ▼ to display Miscellaneous.
- 5 Press Miscellaneous.
- 6 Press Mem Security.
 - **Press** Set Security.
- Enter the registered 4-digit password using the buttons on the LCD.
 Press OK.
 The machine goes offline and the LCD

shows Memory Security.

Mote

If there is a power failure the data will stay in memory for approximately 24 hours.

Turning off the memory security

- Press Unlock.
- Enter the registered 4-digit password using the buttons on the LCD. Press OK.

Memory Security is automatically turned off.

🖉 Note

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. Chapter 4

Section II

Fax

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Sending a Fax

Entering Fax mode

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

品

(Fax) key to illuminate it in blue.



The LCD shows:



Press ◀ or ► to scroll through the **Fax** key options. Some functions are only available when sending monochrome faxes.

- Fax Resolution (See page 39.)
- Contrast (See page 38.)
- Broadcasting (See page 37.)
- Preview (See page 36.)
- Delayed Fax (See page 40.)
- Batch TX (See page 40.)
- Real Time TX (See page 39.)
- Polled TX (See page 87.)
- Polling RX (See page 85.)
- Overseas Mode (See page 40.)
- Glass ScanSize (See page 35.)
- Set New Default (See page 41.)
- Factory Reset (See page 41.)

Press the option you want.

Faxing from the ADF



Place the document face down in the ADF. (See Using the ADF on page 21.)

3 Enter the fax number using the dial pad. You can also enter the fax number by pressing Speed Dial, press the number you want and press Send a fax.

Note

You can preview a fax message before sending it by setting Preview to On. For details, see How to preview an outgoing fax on page 36.

4 Press Mono Start or Colour Start.

The machine starts scanning the document.

M Note

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

Faxing from the scanner glass

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

You cannot send colour faxes with multiple pages.

🖉 Note

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

- Press 🗖 (Fax).
- Load your document face down on the scanner glass. (See Using the scanner glass on page 21.)
- 3 Enter the fax number using the dial pad or Speed Dial.

🖉 Note

You can preview a fax message before sending it by pressing Preview. For details, see *How to preview an outgoing fax* on page 36.

Press Mono Start or Colour Start.

- If you press Mono Start, the machine starts scanning the first page. Go to step 6.
- If you press Colour Start, the machine starts sending the document.
- 5 When the LCD asks you Next Page?, do one of the following:
 - To send a single page, press No (or press Mono Start again).
 - The machine starts sending the document.
 - To send more than one page, press Yes and go to step 6.

6 Place the next page on the scanner glass.

Press **Mono Start** or **Colour Start**. The machine starts scanning the page. (Repeat steps **6** and **6** for each additional page.)

Faxing Letter size documents from the scanner glass

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

1	Press 📠 (Fax).	
2	Press ◀ or ▶ to display Glass ScanSize.	y

Press Glass ScanSize.

4 Press Letter.

🖉 Note

You can save the setting you use most often by setting it as default. (See Setting your changes as a new default on page 41.)

Colour fax transmission

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

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

How to preview an outgoing fax

You can preview a fax message before you send it. You must set the Real Time Transmission and Polling RX to off before you use this feature. (See *Real time transmission* on page 39 and *Polling receive* on page 85.)

- 1 Press 📠 (Fax).
- 2 Press ◀ or ▶ to display Preview.
- **3** Press Preview.
- 4 Press On.
- 5 Load the document.
- 6 Enter the fax number using the dial pad. You can also enter the fax number by pressing Speed Dial. Then, press
 ▲ or ▼ to display the number you want, press the number to choose it, and then press Send a fax.

Press Mono Start.

The machine starts scanning the document and the outgoing fax appears on the LCD.

When the fax is displayed, press MENU. The buttons will appear on the LCD and perform the operations shown below.

Button	Description
(Ð	Enlarge the fax.
Q	Reduce the fax.
🔺 or 🔻	Scroll vertically.
or 🕨	Scroll horizontally.
	Rotate the fax clockwise.
•	Go back to the previous page.
•	Go to the next page.
X	Close the preview table.

Note

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

8 Press Mono Start.

Cancelling a fax in progress

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

Broadcasting (Monochrome only)

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

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

1 Press 📠 (Fax).



Load your document.

- Press ◀ or ▶ to display Broadcasting.
- 4 **Press** Broadcasting.
- 5 You can add numbers to the broadcast in the following ways:
 - Press Add Number and enter a number using the buttons on the LCD.

Press OK.

Press Speed Dial. Press A to search by Alphabetical Order or Numerical Order. Press the entries that you want to add to the broadcast.

Press OK.

6 After you have entered all the fax numbers by repeating step 6, press OK.

Press Mono Start.

🖉 Note

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

Cancelling a Broadcast in progress

- Press Stop/Exit.
- Do one of the following:
 - To cancel the entire broadcast, press Entire Broadcast. Go to step 3.
 - To cancel the current job, press the button that displays the number being dialled. Go to step ④.
 - To exit without cancelling, press Stop/Exit.
- When the LCD asks if you want to cancel the entire broadcast, do one of the following:
 - Press Yes to confirm.
 - To exit without cancelling, press No or Stop/Exit.
- 4 Do one of the following:
 - To cancel the current job, press Yes.
 - To exit without cancelling, press No or **Stop/Exit**.

Additional sending operations

Sending faxes using multiple settings

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



FAX/TEL Contrast Broadcasting Standard Auto Off History Speed Dial

- Press ◀ or ► to display a setting you want to change and press the setting, then press the option you want.
- 3

Go back to 2 to change more settings.

🖉 Note

- Most settings are temporary and the machine returns to its default settings after you send a fax.
- You can save some of the settings you use most often by setting them as default. These settings will stay until you change them again. (See Setting your changes as a new default on page 41.)

Contrast

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

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





Press ◀ or ▶ to display Contrast.

Press Contrast.

Press Auto, Light or Dark.

🖉 Note

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

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

Changing fax resolution

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



Press (🔂 (Fax).



Press ◀ or ► to display Fax Resolution.



Press Fax Resolution.



Press the resolution you want.

M Note

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

Monochrome

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

Colour Standard Suitable for most typed documents. Fine Use when the document is a

photograph. The transmission time is slower than Standard resolution.

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

Dual access (Monochrome only)

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

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



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

Real time transmission

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

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

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

- Press (🔂 | (Fax).

 - **Press ◀** or **▶** to display Real Time TX.
- Press Real Time TX.
- Press On.

Note

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

Overseas Mode

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

- 1 Press 📠 (Fax).
- 2 Load your document.
- 3 Press **∢** or **▶** to display Overseas Mode.
- **4 Press** Overseas Mode.
- 5 Press On (or Off).

Delayed Faxing (Monochrome only)

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

- 1 Press 📠 (**Fax**).
- Load your document.
- 3 Press ∢ or ▶ to display Delayed Fax.
- 4 Press Delayed Fax.
- 5 Press On.
- Enter the time you want the fax to be sent (in 24-hour format) using the buttons on the LCD.
 (For example, enter 19:45 for 7:45 PM.) Press OK.
- Note

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

Delayed Batch Transmission (Monochrome only)

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



- Press < or > to display Batch TX.
- 3 Press Batch TX.
- 4 Press On.
- 5 Press Stop/Exit.

Checking and cancelling waiting jobs

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

Press MENU. Press ▲ or ▼ to display Fax. Press Fax. Press ▲ or V to display Remaining Jobs. **5 Press** Remaining Jobs. Any waiting jobs appear on the LCD. 6 Press ▲ or ▼ to scroll through the jobs and choose the job you want to cancel. Press OK. Do one of the following: ■ To cancel, press Yes. If you want to cancel another job go to step 6. ■ To exit without cancelling, press No. When you have finished, press

Stop/Exit.

Setting your changes as a new default

You can save the fax settings for Fax Resolution, Contrast, Glass ScanSize, Preview and Real Time TX you use most often by setting them as default. These settings will stay until you change them again.

- 1 Press 🛛 📇 🛛 (Fax).
- Press ◀ or ▶ to choose the menu option that you want to change. Press your new option.

Repeat this step for each setting you want to change.

- After changing the last setting, press
 - Press Set New Default.
- Press Yes.
- Press Stop/Exit.

Restoring all settings to the factory settings

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



- Press Yes.
- 5 Press Stop/Exit.

Sending a fax manually

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



- Load your document.
- To listen for a dial tone do one of the following:
 - (MFC-790CW) Press Speaker Phone on the machine or pick up the handset.
 - (MFC-990CW) Press Speaker Phone on the machine or press (Talk) on the cordless handset.
- Dial the fax number using the dial pad.
- 5 When you hear the fax tone, press Mono Start or Colour Start. If you are using the scanner glass press Send to send the fax.

 - If you pick 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.

A Ask the other party to wait for fax tones (beeps) and then to press the Start or Send key before hanging up.



- Load your document.
- Press Mono Start or Colour Start.
- If you are using the scanner glass, press Send to send the fax.
- Replace the handset.

Out of Memory message

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

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

Note

If you do not want to delete your stored faxes to clear the memory, you can send the fax in real time. (See *Real time transmission* on page 39.)

Receiving a Fax

Receive modes

6

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

Choose the Receive Mode

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

For more detailed information on the receive modes, see Using receive modes on page 45.



* We recommend you set Fax Detect to On.

Chapter 6

To set a receive mode follow the instructions below.

- **1** Press MENU.
- 2 Press ▲ or ▼ to display Initial Setup.
- **3 Press** Initial Setup.
- 4 Press ▲ or ▼ to display Receive Mode.
- 5 Press Receive Mode.
- 6 Press Fax Only, Fax/Tel or Manual.

7 Press Stop/Exit.

The LCD will display the current receive mode.

Using receive modes

Some receive modes answer automatically (Fax Only and Fax/Tel). You may want to change the ring delay before using these modes. (See *Ring Delay* on page 46.)

Fax only

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

Fax/Tel

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

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

(See *F/T Ring Time (Fax/Tel mode only)* on page 46 and *Ring Delay* on page 46.)

You can provide useful information or advise callers to hold until their call is answered by recording a voice message. They will hear this message when the F/T ring sounds. The caller will not be able to leave a message. See *Outgoing message (OGM)* on page 78.

Manual

To receive a fax in manual mode, press **Speaker Phone** or lift the handset of an external telephone. When you hear fax tones (short repeating beeps), press **Mono Start** or **Colour Start** and Receive. You can also use the Fax Detect feature to receive faxes by lifting a handset on the same line as the machine.

See Fax Detect on page 47.

TAD

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

- Faxes will be automatically received.
- Voice callers can record a message.

To set up the TAD mode, see page 78.



🖉 Note

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

6

Receive mode settings

Ring Delay

If toll saver is On, then the ring delay setting has no effect. See *Setting toll saver* on pages 81.

1 Press MENU.



- 3 Press Fax.
- 4 Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Ring Delay.
- **7 Press** Ring Delay.
- 8 Press Ring Delay again.
- 9 Press the number of times the machine will ring before it answers (2-10 for Australia, 1-10 for New Zealand, 0-10 for some countries).

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

10 Press Stop/Exit.

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

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

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

Because the F/T Ring is made by the machine, extension and external telephones will *not* ring; however, you can still answer the call on any telephone. (For more information see *Using remote codes* on page 68.)

- 1 Press MENU.
- Press ▲ or ▼ to display Fax.
- 3 Press Fax.
- Press ▲ or ▼ to display Setup Receive.
- **5 Press** Setup Receive.
- 6 Press ▲ or ▼ to display F/T Ring Time.
- 7 Press F/T Ring Time.
- Press how long the machine will ring to alert you that you have a voice call (20, 30, 40 or 70 seconds for Australia and some countries, 20, 30, 40 or 55 seconds for New Zealand).
- 9 Press Stop/Exit.

🖉 Note

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

Fax Detect

If Fax Detect is On:

Fax Detect is turned On as default.

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

If Fax Detect is Semi:

The machine will only receive a fax call automatically if you answered it using the machine's handset, cordless handset or Speaker Phone. If you answered at an extension telephone, press * **5 1** (* **9 1** for New Zealand). (See *Operation from extension telephones* on page 68.)

If Fax Detect is Off:

If you are at the machine and answer a fax call by lifting the handset, press **Mono Start** or **Colour Start**, then press Receive to receive the fax.

If you answered at an extension telephone, press * **5 1** (* **9 1** for New Zealand). (See *Operation from extension telephones* on page 68.)

Note

- If this feature is set to On, but your machine does not connect a fax call when you lift an extension or external telephone handset, press the remote activation code
 * 5 1 (* 9 1 for New Zealand).
- If you send faxes from a computer on the same telephone line and the machine intercepts them, set Fax Detect to Off.
- (MFC-990CW) If you typically carry the cordless handset away from the machine, we recommend that you turn on Fax Detect. If Fax Detect is turned off and you answer a fax call, you will have to go to the machine and press **Mono Start** or **Colour Start**.

1	Press MENU.
2	Press ▲ or ▼ to display Fax.
3	Press Fax.
4	Press ▲ or V to display Setup Receive.
5	Press Setup Receive.
6	Press ▲ or ▼ to display Fax Detect.
7	Press Fax Detect.
8	Press On, Semi (or Off).
9	Press Stop/Exit.

Memory Receive (Monochrome only)

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

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

You can change your selection at any time. If received faxes are still in the machine's memory when you change the Memory Receive operation, a message will appear on the LCD. (See *Changing Memory Receive Operations* on page 50.)

Fax Forwarding

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

- 1 Press MENU.
- 2 Press **▲** or **▼** to display Fax.
- **3** Press Fax.
- 4 Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Memory Receive.
- **7** Press Memory Receive.
- 8 Press Fax Forward.
- Enter the forwarding number (up to 20 digits) using the buttons on the LCD.
 Press OK.
- 10 Press Backup Print:On or Backup Print:Off.

🖉 Note

- If you choose Backup Print:On, the machine will also print the fax 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 Backup Print:On feature will not work if Fax Preview is on.
- The machine can store faxes for approximately 24 hours if there is a power failure.
- When you receive a colour fax, your machine prints the colour fax but does not send the fax to the fax forwarding number you programmed.

1 Press Stop/Exit.

Fax Storage

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

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

 Press MENU.
 Press ▲ or ▼ to display Fax.
 Press Fax.
 Press ▲ or ▼ to display Setup Receive.
 Press Setup Receive.
 Press ▲ or ▼ to display Memory Receive.
 Press Memory Receive.
 Press Fax Storage.
 Press Stop/Exit.
 Note Colour faxes cannot be stored in the

memory. When you receive a colour fax your machine prints the colour fax.

PC Fax Receive

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

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

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

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

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

- 1 Press MENU.
- 2 Press ▲ or ▼ to display Fax.
- 3 Press Fax.
- Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Memory Receive.
 - **Press** Memory Receive.
- 8 Press PC Fax Receive.
- 9 Press <USB> or the PC you want to receive faxes.
- 10 Press ок.
- 1 Press Backup Print:On or Backup Print:Off.



Press Stop/Exit.

🖉 Note

- PC Fax Receive is not supported in the Mac OS[®].
- Before you can set up PC Fax Receive you must install the MFL-Pro Suite software on your PC. Make sure your PC is connected and turned on. (For details see PC-FAX Receiving in the Software User's Guide on the CD-ROM.)
- In the event of a power failure, the machine will store your faxes in the memory for approximately 24 hours. However, if you choose Backup Print: On the machine will print the fax, so you will have a copy if there is a power failure before it is sent to the PC.
- If you get an error message and the machine cannot print the faxes in memory, you can use this setting to transfer your faxes to your PC. (For details, see *Error* and Maintenance messages on page 150.)
- When you receive a colour fax, your machine prints the colour fax but does not send the fax to your PC.

Changing the destination PC

 Press MENU.
 Press ▲ or ▼ to display Fax.
 Press Fax.
 Press ▲ or ▼ to display Setup Receive.
 Press Setup Receive.
 Press ▲ or ▼ to display Memory Receive.
 Press ▲ or ▼ to display Memory Receive.
 Press Memory Receive.
 Press PC Fax Receive.

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- 9 Press <USB>, or the PC you want to receive faxes. Press OK.
- Press Backup Print:On or Backup Print:Off.

Press Stop/Exit.

Turning off Memory Receive Operations

- 1 Press MENU.
- Press ▲ or ▼ to display Fax.
- 3 Press Fax.
- 4 Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Memory Receive.
- **7** Press Memory Receive.
- 8 Press Off.
 - Press Stop/Exit.

Mote

The LCD will give you more options if there are received faxes still in your machine's memory. (See *Changing Memory Receive Operations* on page 50.)

Changing Memory Receive Operations

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

- Erase All Doc?
- Print All Fax?
 - If you press Yes, 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 No, faxes in the memory will not be erased or printed and the setting will be unchanged.

If received faxes are left in the machine's memory when you change to PC Fax Receive from another option [Fax Forward or Fax Storage], press ▲ or ▼ to choose the PC or USB.

The LCD will ask you the following question:

- Send Fax to PC?
 - If you press Yes, faxes in the memory will be sent to your PC before the setting changes. You will be asked if you want to turn on Backup Print. (For detail, see PC Fax Receive on page 49.)
 - If you press No, faxes in the memory will not be erased or transferred to your PC and the setting will be unchanged.

Fax Preview (Monochrome only)

How to preview a received fax

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

Setting Fax Preview

Press MENU.

- 2
 - Press ▲ or ▼ to display Fax.
- 3 Press Fax.
- 4 Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Fax Preview.
- 7 Press Fax Preview.
- 8 Press On.

9 The LCD will tell you that any future faxes will not be printed as you receive them. Press Yes.

10 Press Stop/Exit.

🖉 Note

- When Fax Preview is turned on your machine can only print the colour faxes it receives. It cannot store them in memory.
- When Fax Preview is turned on a backup copy of received faxes will not be printed, even if you have set Backup Print On.
- (For Singapore and Hong Kong) Fax Preview is not available when Fax Forwarding is turned on.

Using Fax Preview

When you receive a fax, you will see the popup message on the LCD. (For example: New Fax 02)



Press Fax Preview. The LCD will display the new fax list.

🖉 Note

You can also see your old fax list by pressing the Old Fax tab on the LCD. Press the New Fax tab to go back to your new fax list.

- Press ▲ or ▼ to display the fax number of the fax you want to see.
- 3 Press the fax you want to see.

🖉 Note

- If your fax is large there may be a delay before it is displayed on the LCD.
- The LCD will show the current page number and total pages of the fax message. When your fax message is over 99 pages the total number of pages will be shown as "xx".

When the fax is displayed on the LCD, press More and the following buttons will appear on the LCD. Press the button you want to use to perform the operation.

Button	Description
()	Enlarge the fax.
Q	Reduce the fax.
🔺 or 🔻	Scroll vertically.
or 🕨	Scroll horizontally.
	Rotate the fax clockwise.
Î	Delete the fax.
	Press Yes to confirm.
	Go back to the previous page.
	Go to the next page.
5	Go back to the fax list.
Ē	Print the fax.
X	Close the preview table.

4 Press **Stop/Exit**.

How to print a fax

- **1 Press** Fax Preview.
- 2 Press the fax you want to view.
- B Press More.
- 4 Press 📇 (Print).
 - If the fax is multiple pages, go to step (5).
 - If the fax is a single page it will start printing. Go to step 6.
- 5 Do one of the following:
 - Press Print All Pages to print all pages of the fax. Go to step 6.
 - Press Print Current Only to print the displayed page.
 - Press Print From Current to print the displayed page to the last page.
- 6 Do one of the following:
 - To delete the fax, press Yes.
 - To keep the fax in the memory, press No.

How to print all faxes in the list

- **1 Press** Fax Preview.
- 2 Press More.
- **3 Press** Print All.
 - Press **Stop/Exit**.

How to delete all faxes in the list

- **1 Press** Fax Preview.
- 2 Press More.
- 3 Press Delete All. Press Yes to confirm.
- 4 Press Stop/Exit.

Turning off Fax Preview

- 1 Press Fax Preview.
- 2 Press More.
- 3 **Press** Turn Off Fax Preview.
- 4 Press Yes to confirm.
- 5 If there are faxes stored in the memory, do one of the following:
 - If you do not want to print the stored faxes, press Continue.
 The machine asks you to confirm the deletion of the stored faxes.

Press Yes to confirm.

- If you want to print all the stored faxes, press Print all faxes.
- If you do not wish to turn off Fax Preview, press Cancel.

Press Stop/Exit.

Additional receiving operations

Printing a reduced incoming fax

If you choose On, the machine automatically reduces each page of an incoming fax to fit on one page of A4, Letter or Legal size paper. The machine calculates the reduction ratio by using the page size of the fax and your Paper Size setting. (See *Paper Size* on page 26.)

1 Press MENU.
Press ▲ or ▼ to display Fax.
3 Press Fax.
4 Press ▲ or ▼ to display Setup Receive.
5 Press Setup Receive.
6 Press ▲ or ▼ to display Auto Reduction.
7 Press Auto Reduction.
8 Press On (or Off).
9 Press Stop/Exit.
Receiving a fax at the end of a

conversation (MFC-790CW only)

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

- Ask the other party to place the document in their machine and to press the Start or Send key.
- 2 When you hear the other machine's CNG tones (slowly repeating beeps), press **Mono Start** or **Colour Start**.

3

- Press Receive to receive the fax.
- Replace the handset.

Out of Paper Reception

As soon as the paper tray becomes empty during fax reception, the LCD shows No Paper Fed and begins receiving faxes into the machine's memory. Put some paper in the paper tray. (See Loading paper and other print media on page 10.)

When a fax is in the memory, the LCD will show a message (for example, New Fax: 01).

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

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

Printing a fax from the memory

If you have chosen fax storage, you can still print a fax from the memory when you are at your machine (See Memory Receive (Monochrome only) on page 48).

Press MENU.

Press ▲ or V to display Fax.

- Press Fax.
- Press ▲ or ▼ to display Print Document.
- 5 Press Print Document.
- Press Mono Start.

Press Stop/Exit.

M Note

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

Remote Retrieval

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

Setting a Remote Access Code

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

- - Press MENU.
 - Press ▲ or V to display Fax.
- Press Fax.
- Press ▲ or ▼ to display Remote Access.
- 5 Press Remote Access.
- 6 Enter a 3-digit code using numbers 0-9, \star , or # using the buttons on the LCD. Press OK.

(The preset '*' cannot be changed.)

⁷Note

Do not use the same code as your Remote Activation Code (* 51 (* 91 for New Zealand)) or Remote Deactivation Code (#51 (#91 for New Zealand)). (See Operation from extension telephones on page 68.)

Press Stop/Exit.

Mote

You can change your code at any time by entering a new one. If you want to make your code inactive, press Clear in step 6 to restore the inactive setting (---*) and press OK.

Using your Remote Access Code



If your machine is set to Manual mode and you want to use the remote retrieval features, wait about 100 seconds after it starts ringing, and then enter the remote access code within 30 seconds. This function may not be available in some countries e.g. Australia.

Remote Fax commands

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

Remote commands			Operation details
91	Playing Voice messages		After one long beep, the machine plays the ICM.
	1 Repeat or Skip Backward		Press 1 while listening to an ICM to repeat it. If you press 1 before a message, you will hear the previous message.
	2 Skip Forward		While playing the ICM, you can skip to the next message.
	9 STOP Playing		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 messages 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 2 F/T Message	The machine plays the selected OGM. You can stop playing OGMs by pressing 9 .
	2 Record	1 TAD Message 2 F/T 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 .
95	Change the Fax Forwarding or Fax Storage settings		
	1 OFF		You can choose Off after you have retrieved or erased all your messages.
	2 Fax Forwarding		One long beep means the change is accepted. If you hear three short beeps, you cannot change because something has not been set up (for example, a Fax Forwarding number has not been registered). You can register your Fax
	4 Fax Forwarding number 6 Fax Storage		
			Forwarding number on page 57.) Once you have registered the number, Fax Forwarding will work.
96	Retrieve a fax		
	2 Retrieve all faxes		Enter the number of a remote fax machine to receive stored fax messages. (See <i>Retrieving fax messages</i> on page 57.)
	3 Erase faxes from the memory		If you hear one long beep, fax messages have been erased from the memory.
97	Check the receiving status		
	1 Fax		You can check whether your machine has received any
	2 Voice		faxes or voice messages. If yes, you will hear one long beep. If no, you will hear three short beeps.

Remote commands		Operation details
98	Change the Receive Mode	
	1 TAD	If you hear one long beep, your change has been accepted.
	2 Fax/Tel	
	3 Fax Only	
90	Exit	Pressing 9 0 allows you to exit remote retrieval. Wait for the long beep, then replace the handset.

Retrieving fax messages

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



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

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

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

Changing your Fax Forwarding number

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

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

🖉 Note

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

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

7

Telephone and External devices

Voice operations

Voice calls can be made either with the handset, the cordless handset (MFC-990CW), the speaker phone, an extension or external telephone, by dialling manually, or by using Quick Dial numbers.

🖉 Note

If you have a MFC-990CW, please also refer to the DECT[™] Handset BCL-D70 User's Guide.

Making a telephone call

- 1 To start a voice call, do one of the following:
 - Pick up the handset. (MFC-790CW only)
 - Press Speaker Phone.
- 2 When you hear the dial tone, enter a number using the dial pad or pressing the Speed Dial.
- 3 If you pressed **Speaker Phone**, speak clearly toward the microphone ♥.
- 4 To hang up, do one of the following:
 - Replace the handset. (MFC-790CW only)
 - Press Speaker Phone.

Answering calls with the Speaker Phone

When the machine rings, instead of lifting the handset, press **Speaker Phone** on the machine. Speak clearly toward the

microphone $\frac{\Phi}{2}$. To end the call, press **Speaker Phone**.



If you have a bad connection, your caller might hear your voice echoed during the call. If you experience this problem, pick up the handset, or hang up and try the call again.

Hold

For MFC-790CW

- Press **Erase/Hold** to put a call on Hold. You can replace the handset without disconnecting the call.
- 2 Pick up the machine's handset or press **Speaker Phone** to release the call from Hold.

🖉 Note

You can pick up an extension telephone and continue speaking without releasing the call from Hold on the machine.

For MFC-990CW

- If you answered by pressing
 Speaker Phone on the machine, press
 Hold/Intercom on the machine to put a call on Hold.
- 2 To release the call from Hold, press **Speaker Phone** on the machine.

🖉 Note

You can pick up an extension telephone and continue speaking without releasing the call from Hold on the machine.

Tone or Pulse (Not Available for New Zealand)

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

1

Press Speaker Phone on the machine.

Press # on the machine's control panel. Any digits dialled after this will send tone signals.

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

Fax/Tel mode

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

If you are at the machine, you can lift the handset, the cordless handset or press **Speaker Phone** to answer.

If you are at an extension telephone, you'll need to lift the handset during the F/T Ring Time and then press **# 5 1** (**# 9 1** for New Zealand) between the pseudo/double rings. If no one is on the line, or if someone wants to send you a fax, send the call back to the machine by pressing * **5 1** (* **9 1** for New Zealand).

Fax/Tel mode in Power Save condition

When the machine is in Power Save condition you can receive faxes if the Power Save setting is Fax Receive:On. (See *Power Save setting* on page 23.)

(MFC-790CW)

When the machine is in Fax/Tel mode and F/T rings to tell you to pick up a voice call, you can only answer by picking up the machine's handset.

If you answer before the machine F/T rings, you can also pick up the call at an external or extension telephone.

(MFC-990CW)

Set Ring Tone to On to hear the rings when you receive a call. (See *Power Save setting* on page 23.)

When the machine is in Fax/Tel mode and rings, you can only answer at an external or extension telephone.

Telephone Service for Australia

Telstra[®] FaxStream[®] Duet[®] (Distinctive Ring)

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

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

🖉 Note

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

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

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

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

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

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



Registering the Distinctive Ring pattern

Very Important!

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

mou	le while the Distinctive Ring is set to on.	
1	Press MENU.	
2	Press ▲ or ▼ to display Fax.	
3	Press Fax.	
4	Press ▲ or ▼ to display Miscellaneous.	
5	Press Miscellaneous.	
6	Press Distinctive.	
7	Press On.	
8	Press Stop/Exit . Distinctive Ring is now set to on.	
Turning off Distinctive Ring		
1	Press MENU.	
2	Press ▲ or ▼ to display Fax.	
3	Press Fax.	
4	Press ▲ or ▼ to display Miscellaneous.	
5	Press Miscellaneous.	
6	Press Distinctive.	
7	Press Off.	
8	Press Stop/Exit.	
	Note	
If you turn off Distinctive Ring, the machine will stay in Manual receive mode. You will need to set the Receive Mode again. (See Choose the Receive		

Mode on page 43.)

Caller ID

Caller ID is a telephone service that allows the subscriber to see a display of the caller's phone number or name as the telephone rings. It is a fast way to screen your calls. You can respond quickly to calls you missed, because Caller IDs are received and stored in your machine memory.



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 answer the call, the caller's ID disappears. You will see up to the first 16 characters of the number on the display.

🖉 Note

- If ID Unknown appears on the display, it means that the call came from outside your caller ID service area or a public phone.¹
- If ID Withheld appears on the display, it means the caller intentionally blocked the transmission of his/her ID.¹
- ¹ Depends on network function.

The Caller ID is Stored in Your Machine Memory

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

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

Printing the Caller ID List.

You can review calls you received by checking the Caller IDs in memory. This report will list the Date, Time, Phone Number (Caller ID) name, and type of Call (Comment) if available. (See *How to print a report* on page 84.)

Telephone Service for New Zealand

FaxAbility

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

How Will the Fax Machine Treat All Other Numbers?

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

What is the Advantage of Using the FaxAbility Function?

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

How Does FaxAbility Work?

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

Flowchart Sequence of Incoming call



🖉 Note

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

How to Turn FaxAbility OFF or ON

The FaxAbility function is designed to accommodate the FaxAbility service provided by Telecom. To change the setting, repeat steps **1**-**1**; Step **3** is where you can choose either On or Off.

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

1 Press MENU.



- 3 Press Fax.
- Press ▲ or ▼ to display Miscellaneous.
- 5 Press Miscellaneous.
- 6 Press ▲ or ▼ to display Faxability.
- **7** Press Faxability.
- 8 Press On (or Off) to set FaxAbility. If you have FaxAbility service, press On.
- 9 Press ▲ or ▼ to display Call Waiting.
- 10 Press Call Waiting.
- Press On to set Call Waiting. If you have Call Waiting service, press On to avoid the trouble caused by Call Waiting.

Press Stop/Exit.

Caller ID

Caller ID is a telephone service that allows the subscriber to see a display of the caller's phone number and name if available as the telephone rings. It is a fast way to screen your calls. You can respond quickly to calls you missed, because Caller IDs are received and stored in your machine memory.

🖉 Note

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

Advantages of Caller ID

For Business

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

At Home

Residential customers can protect themselves from unwanted calls.

How Does the Caller ID Work?

The Caller ID Appears on the Display When Your Telephone Rings

As your telephone rings, the display shows you the caller's phone number or name if available. Once you answer the call, the caller's ID disappears. You will see up to the first 16 characters of the number and name if available on the display. (See *How to print a report* on page 84.)

🖉 Note

- If ID Unknown appears on the display, it means that the call came from outside your caller ID service area.¹
- If ID Withheld appears on the display, it means the caller intentionally blocked the transmission of his/her ID.¹
- ¹ Depends on network function.

Telephone Service for Some Countries

Distinctive Ring (For Singapore and Hong Kong)

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

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

🖉 Note

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

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

Registering the Distinctive Ring pattern

Very Important!

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



Press MENU.



Press ▲ or ▼ to display Fax.



Press Fax.

4	Press ▲ or ▼ to display Miscellaneous.	
5	Press Miscellaneous.	
6	Press Distinctive.	
7	Press On.	
8	Press Stop/Exit . Distinctive Ring is now set to on.	
Tur	ning off Distinctive Ring	
1	Press MENU.	
2	Press ▲ or ▼ to display Fax.	
3	Press Fax.	
4	Press ▲ or ▼ to display Miscellaneous.	
5	Press Miscellaneous.	
6	Press Distinctive.	
7	Press Off.	
8	Press Stop/Exit.	
Note		
If you turn off Distinctive Ring, the machine will stay in Manual receive		

If you turn off Distinctive Ring, the machine will stay in Manual receive mode. You will need to set the Receive Mode again. (See *Choose the Receive Mode* on page 43.)

Caller ID (For Singapore and Hong Kong)

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

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

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

🖉 Note

You can print a list of Caller ID information received by your machine. (See *How to print a report* on page 84.)

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

Connecting an external TAD (telephone answering device)

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

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



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



1 TAD

When the TAD answers a call, the LCD shows Ext. Tel in Use.

Telephone and External devices

N Improper Setup

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

Connections

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

- Set your external TAD to one or two rings. (The machine's Ring Delay setting does not apply.)
- Record the outgoing message on your external TAD.
- 3
 - Set the TAD to answer calls.
- 4 Set the Receive Mode to Manual and turn Fax Detect on. (See *Choose the Receive Mode* on page 43.)

Recording outgoing message (OGM) on an external TAD

Timing is important in recording this message.

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

Limit your speaking to 20 seconds.

🖉 Note

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

Multi-line connections (PABX)

Most offices use a central telephone system.

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

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

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

External and extension telephones

Connecting an external or extension telephone

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



- 1 Extension telephone
- 2 External telephone

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

Operation from extension telephones

Using extension telephones

If you answer a fax call on an extension telephone, you can make your machine take the call by using the Remote Activation Code. When you press the Remote Activation Code * **5 1** (* **9 1** for New Zealand), the machine starts to receive the fax.

If the machine answers a voice call and pseudo/double-rings for you to take over, use the Remote Deactivation Code **# 5 1** (**# 9 1** for New Zealand) to take the call at an extension telephone. (See *F/T Ring Time (Fax/Tel mode only)* on page 46.)

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

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

Press * **5 1** (* **9 1** for New Zealand) and wait for the chirp or until the LCD shows Receiving, and then hang up.

🖉 Note

You can also use the Fax Detect feature to make your machine automatically take the call. (See *Fax Detect* on page 47.)

Using a cordless external telephone (MFC-790CW only)

If your cordless telephone is connected to the telephone line cord (See *External and extension telephones* on page 68) and you typically carry the cordless handset elsewhere, it is easier to answer calls during the Ring Delay.

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

Using remote codes

Remote Activation code

If you answer a fax call on an extension or external telephone, you can tell your machine to receive it by dialling the Remote Activation Code * 5 1 (* 9 1 for New Zealand). Wait for the chirping sounds then replace the handset. (See *Fax Detect* on page 47.) Your caller will have to press **Start** to send the fax.

Remote Deactivation code

If you receive a voice call and the machine is in F/T mode, it will start to sound the F/T (double) Ring after the initial ring delay. If you pick up the call on an extension telephone you can turn the F/T Ring off by pressing **# 5 1 (# 9 1** for New Zealand) (make sure you press this *between* the rings).

Changing the remote codes

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

- 1 Press MENU.
- Press ▲ or ▼ to display Fax.
- **3** Press Fax.
- 4 Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Remote Codes.
- **7** Press Remote Codes.
- 8 Press On (or Off).
- 9 Do one of the following.
 - If you want to change the Remote Activation Code, enter the new code.
 - Press OK, go to step 1.
 - If you do not want to change the Remote Activation Code, press OK, go to step 1.
- 10 Do one of the following.
 - If you want to change the Remote Deactivation Code, enter the new code.
 - Press OK, go to step 1.
 - If you do not want to change the Remote Deactivation Code, press OK, go to step ①.
- Press Stop/Exit.

🖉 Note

- If you are always disconnected when accessing your external TAD remotely, try changing the Remote Activation Code and Remote Deactivation Code to another 3-digit code using the numbers 0-9, *, #.
- Remote Codes might not work with some telephone systems.

Dialling and storing numbers

How to Dial

Manual dialling

Press all of the digits of the fax or telephone number using the dial pad.



Speed Dialling



Press Speed Dial.

Press the number you want to call. You can also choose the number by alphabetical order by pressing A on LCD.

🖉 Note

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

Fax Redial

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

Redial or **Redial/Pause** only works if you dialled. *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.



- Press the number you want to redial.
- **3 Press** Send a fax.
- 4 Press Mono Start or Colour Start.

🖉 Note

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

Outgoing Call history

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

- 1 Press Redial or Redial/Pause.
 - You can also press History.
- **2) Press** Outgoing Call **tab**.
- 3 Press the number you want.
- 4 Do one of the following:
 - To make a telephone call, press Make a phone call.
 - To send a fax, press Send a fax.

Press Mono Start or Colour Start.

 If you want to store the number, press More and then press
 Add to Speed Dial.

(See Storing Speed Dial numbers from Outgoing Calls on page 73.)

If you want to delete the number from the Outgoing Call history list, press More and then press Delete.

Press Yes to confirm.

Press Stop/Exit.

Caller ID history

This feature requires the Caller ID subscriber service offered by many local telephone companies. (See *Caller ID* on page 62.) (See *Caller ID* on page 64.) (See *Caller ID (For Singapore and Hong Kong)* on page 66.)

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

- 1 Press History.
- Press Caller ID hist.
- Oress the number or the name you want to call.
- 4 Do one of the following:
 - To make a telephone call, press Make a phone call.
 - To send a fax, press Send a fax.
 - Press Mono Start or Colour Start.
 - If you want to store the number, press More and then press Add to Speed Dial.

(See Storing Speed Dial numbers from the Caller ID history on page 73.)

If you want to delete the number from the Caller ID history list, press More and then press Delete.

Press Yes to confirm.

5 Press Stop/Exit.

🖉 Note

You can print the Caller ID list. (See *How to print a report* on page 84.)

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Storing numbers

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

🖉 Note

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

Storing a pause

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

Storing Speed Dial numbers

You can store up to 100 2-digit Speed Dial locations with a name, and each name can have two numbers (Fax/Tel1: and Fax/Tel2:). When you dial you will only have to press a few keys. (For example: Press Speed Dial, the number you want to make a call and Make a phone call.)



- **Press** Speed Dial.
- 2 Press More.



Press Set Speed Dial.



Enter the name (up to 16 characters) using the buttons on the LCD.

Press OK.

(To help you enter letters, see *Entering Text* on page 195.)

To store the number without a name, press OK. 5 Enter the first fax or telephone number (up to 20 digits) using the buttons on the LCD. Press OK.

6 Do one of the following:

Enter the second fax or telephone number (up to 20 digits) using the buttons on the LCD.

Press OK.

- If you do not want to store a second number, press OK.
- 7 To choose where the number will be stored, do one of the following:
 - To accept the displayed next available Speed Dial location, press OK.
 - To enter a different Speed Dial location, press a 2-digit number using the buttons on the LCD.

Press OK.

🖉 Note

If the 2-digit Speed Dial location you choose is already taken, the OK button on the LCD will not work. Choose a different location.

8 When the LCD displays your settings, press OK to confirm.

Do one of the following:

- To store another Speed Dial number, go to step 2.
- To finish storing numbers, press Stop/Exit.

Storing Speed Dial numbers from Outgoing Calls

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



Press **Redial** or **Redial/Pause**. You can also press History.



- Press Outgoing Call tab.
- Press the name or number you want to store.
- Press More.
- Press Add to Speed Dial.
- Do one of the following:
 - Enter the name (up to 16 characters) using the buttons on the LCD.

Press OK.

(To help you enter letters, see Entering Text on page 195.)

- To store the number without a name, press OK.
- Press OK to confirm the fax or telephone number you want to store.



Do one of the following:

Enter the second fax or telephone number (up to 20 digits) using the buttons on the LCD.

Press OK.

If you do not want to store a second number, press OK.

9 To choose where the number will be stored, do one of the following:

- To accept the displayed next available Speed Dial location, press OK.
- To enter a different Speed Dial location, press a 2-digit number using the buttons on the LCD.

Press OK.



If the 2-digit Speed Dial location you choose is already taken, the OK button on the LCD will not work. Choose a different location.



When the LCD displays your settings, press OK to confirm.



Press Stop/Exit.

Storing Speed Dial numbers from the Caller ID history

If you have the Caller ID subscriber service from your telephone company you can also store Speed Dial numbers from incoming calls in the Caller ID History. (See Caller ID on page 62.) (See Caller ID on page 64.) (See Caller ID (For Singapore and Hong Kong) on page 66.)

- 1 Press History.
- Press Caller ID hist. tab.
- Press the number you want to store.
- Press More.
- Press Add to Speed Dial.
- Do one of the following:
 - Enter the name (up to 16 characters) using the buttons on the LCD. Press OK.

(To help you enter letters, see Entering Text on page 195.)

- To store the number without a name, press OK.
- Press OK to confirm the fax or telephone number you want to store.
- Do one of the following:
 - Enter a second fax or telephone number (up to 20 digits) using the buttons on the LCD. Press OK.
 - If you do not want to store a second number, press OK.

8

- 9 To choose where the number will be stored, do one of the following:
 - To accept the displayed next available Speed Dial location, press OK.
 - To enter a different Speed Dial location, press a 2-digit number using the buttons on the LCD.

Press OK.

🖉 Note

If the 2-digit Speed Dial location you choose is already taken, the OK button on the LCD will not work. Choose a different location.

10 When the LCD displays your settings, press OK to confirm.

Press Stop/Exit.

Changing Speed Dial names or numbers

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

- Press Speed Dial.
- Press More.



- Press Change to edit the names or numbers.
- Press Delete to delete all information in a Speed Dial location.

Press the number you want to delete.

Press OK.

Go to step **9**.



4 Press the number you want to change.

Press Name:, Fax/Tel1: or Fax/Tel2:.



6 Do one of the following:

■ If you chose Name:, enter the name (up to 16 characters) using the buttons on the LCD.

(See Entering Text on page 195.)

Press OK.

If you chose Fax/Tel1: or Fax/Tel2:, enter the new number (up to 20 digits) using the buttons on the LCD.

Press OK.



How to change the stored name or number:

If you want to change a character, press ✓ or ► to position the cursor under the character you want to change, and then press (Re-enter the character.

Do one of the following:

- To change more details, go to 6.
- Press OK to complete.

The LCD will display your settings.



To change another Speed Dial location, repeat steps 2 to 7.



Setting up groups for broadcasting

Groups, which can be stored in Speed Dial location, allow you to send the same fax message to many fax numbers by pressing only a Speed Dial, the 2-digit location, Send a fax and **Mono Start**. First, you'll need to store each fax number in a Speed-Dial location. Then you can include them as numbers in the Group. Each Group uses up a Speed Dial location. You can have up to six Groups, or you can assign up to 198 numbers in a large Group if you have 2 numbers in each location.

(See Storing Speed Dial numbers on page 72 and Broadcasting (Monochrome only) on page 37.)

- **1 Press** Speed Dial.
- 2 Press More.
- 3 Press Setup Groups.
- Enter the Group name (up to 16 characters) using the buttons on the LCD.
 Press OK.
- 5 When the LCD displays the next available Group number, press OK to confirm.

This Group number and name will automatically be assigned to the next available Speed Dial locatiton.

- Add Speed Dial numbers to the Group by pressing them to display a red checkmark. Press OK.
 If you want to list the numbers by alphabetical order, press
 - When the LCD displays the Group Name and numbers, press OK to confirm.
- 8
- Press Stop/Exit.

🖉 Note

You can print a list of all the Speed Dial numbers. Group numbers will be marked in the GROUP column. (See *Reports* on page 84.)

Changing a Group name

- **1 Press** Speed Dial.
- 2 Press More.
- 3 Press Change.
- Press ▲ or ▼ to display the Group Name you want to change.
- 5 Press the Group Name.
- **6 Press** Name:.
- 7 Enter the new name (up to 16 characters) using the buttons on the LCD.
 Press OK.
 (See *Entering Text* on page 195. For example, type NEW CLIENTS.)

🖉 Note

How to change the stored name or number:

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

Press OK.



Deleting a Group

- **1 Press** Speed Dial.
- 2 Press More.
- **3** Press Delete.
- Press ▲ or ▼ to display the Group you want to delete.
- 5 Press the Group Name.
- 6 Press OK.
- 7 Press Stop/Exit.

Deleting a number from a Group

1 Press Speed Dial.

- 2 Press More.
- **3** Press Change.
- Press ▲ or ▼ to display the Group you want to change.
- 5 Press the Group.
- 6 Press Add/Delete.
- Press ▲ or ▼ to display the number you want to delete from the Group.
- 8 Press the check box of the number you want to delete to uncheck it. Press OK to confirm.
- 9 Press OK.
 - Press Stop/Exit.

Combining Quick Dial numbers

Sometimes you may want to choose from several long distance carriers when you make a call. Rates may vary depending on the time and destination. To take advantage of low rates, you can store the access codes of long-distance carriers and credit card numbers as Speed Dial numbers. You can store these long dialling sequences by dividing them and setting them up as separate Speed Dial numbers in any combination. You can even include manual dialling using the dial pad. (See *Storing Speed Dial numbers* on page 72.)

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

- **1** Press Speed Dial.
- 2 Press #03.
- **3** Press Send a fax or Make a phone call.
- **4 Press** Speed Dial.
- 5 Press #02.
- 6 Do one of the following:
 - To make a telephone call, press Make a phone call.
 - To send a fax, press Send a fax. Go to step 7.
 - Press **Mono Start** or **Colour Start**. You will dial '555-7000 '.

To temporarily change a number, you can substitute part of the number with manual dialling using the dial pad. For example, to change the number to 555-7001 you could press Speed Dial, choose #03, press Send a fax or Make a phone call, and then press **7001** using the dial pad.

Dialling and storing numbers

Note

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

8

```
9
```

Digital TAD

TAD-Mode for internal TAD

The TAD feature will store up to 99 incoming messages. Messages are stored in the order in which they are received.

Voice messages can be up to 3 minutes in length, and can also be picked up remotely (see *Using your Remote Access Code* on page 55). The number of messages you can store will depend on how much memory is being used by other features (for example, delayed and stored faxes).

In the event of a power failure your machine will retain messages that are in the memory for approximately 24 hours.

Setting up the TAD

Recording the TAD outgoing message (TAD Message) is the first step you need to follow before you can use the TAD feature.

To enter TAD mode, follow the steps below:

- 1 Record your TAD OGM (TAD Message).
- 2 Press ᡝ to activate the TAD.

Outgoing message (OGM)

Recording your OGM

You can record the following two different types of OGM:

TAD Message

This message will be played when a call is received. The caller will be able to leave a voice or fax message.

■ F/T Message

This message is played when a call is received and your machine is set to Fax/Tel mode. The caller will not be able to leave a message. See *Fax/Tel OGM* (*Announcement*) on page 79.

Your OGM must be less than 20 seconds long.

- **1** Press MENU.
- Press ▲ or ▼ to display Fax.
- 3 Press Fax.
- 4) Press \blacktriangle or \forall to display Setup TAD.
- **5) Press** Setup TAD.
- 6 Press OGM. The LCD prompts you to choose an OGM.
- 7 Press either TAD Message or F/T Message.
- B Press Record MSG.
- 9 Record your message, using one of the options below:
 - (MFC-790CW)

Pickup the handset, record your message, and replace the handset when finished.

■ (MFC-990CW)

Use the integrated microphone Ψ to record your message. Press **Stop/Exit** when finished.



Press Stop/Exit.

Listening to your OGM

1 Press MENU.

- Press ▲ or ▼ to display Fax.
- **3** Press Fax.
- 4 Press \blacktriangle or \forall to display Setup TAD.
- 5 Press Setup TAD.
- 6 Press OGM.
- **7 Press** TAD Message **or** F/T Message.

8 Press Playing OGM. Adjust the volume by pressing ∢ or ►.

9 Press Stop/Exit.

Erasing your OGM

- **1** Press MENU.
- 2 Press ▲ or ▼ to display Fax.
- **3** Press Fax.
- 4 Press \blacktriangle or \forall to display Setup TAD.
- 5 Press Setup TAD.
- 6 Press OGM.
- **7** Press TAD Message or F/T Message.
- 8 Press Erase MSG.
- 9 Do one of the following:
 - Press Yes to erase the OGM.
 - Press No to exit without erasing.
- **10** Press **Stop/Exit**.

Fax/Tel OGM (Announcement)

If your machine is set to Fax/Tel receive mode this message will be played by your Brother machine to a caller. Unlike the TAD OGM, the caller *will not* be able to leave a message.

To record your Fax/Tel OGM follow the instructions on *Outgoing message (OGM)* on page 78.

If you need to review the steps for setting up the Fax/Tel receive mode, see *Receive modes* on page 43.

Activating TAD mode

When the (i) light glows, TAD mode is active. Press (i) to enter TAD mode.

9

Managing your messages

Message indicator

The (\triangle_i) light flashes if there are any new messages waiting for you.

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

Fax messages are only stored when Fax Storage or Fax Preview is turned on. See Memory Receive (Monochrome only) on page 48.

Playing voice messages

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

Follow the steps below to listen to your voice messages:

Press Play/Record or Play.

The following commands are available when playing messages:



Press Stop/Exit.

Erasing incoming messages

To erase voice messages individually

- Press Play/Record or Play. The machine will sound a two second beep and begins message playback. Each message is preceded by one long beep, and followed by two short beeps.
- To erase a specific message, press Erase/Hold or Erase immediately after the two short beeps, or while the message is playing.
- Do one of the following:
 - Press Yes to erase the message.
 - Press No to cancel.

To erase all of your messages



Press Erase/Hold or Erase.

Do one of the following:

- Press Yes to erase all of your voice messages.
- Press No to cancel.

Additional TAD operations

Setting the maximum time for incoming messages

Your machine's default setting will save incoming messages up to 30 seconds long. To change this setting follow the steps below:

- Press MENU.
 Press A an T
 - Press ▲ or ▼ to display Fax.
- **3** Press Fax.
- Press ▲ or ▼ to display Setup TAD.
- 5 Press Setup TAD.
- 6 Press ICM Max.Time.
- Press the maximum time setting for incoming messages (30, 60, 120 or 180 seconds).
- 8 Press Stop/Exit.

Setting toll saver

When the toll saver feature is on, the machine will answer after two rings if you do have voice or fax messages, and after four rings if you do not have any messages.

This way, when you call your machine for remote retrieval, if it rings three times, you have no messages and can hang up to avoid a toll charge.

The toll saver feature is only available when TAD mode is on. When toll saver is On, it overrides your ring delay setting.

If you are using Distinctive Ring, do not use the Toll Saver feature.



Press MENU.

- 2 F
 - Press ▲ or ▼ to display Fax.

- 3 Pi
 - Press Fax.
 - Press ▲ or ▼ to display Setup Receive.
- 5 Press Setup Receive.
- 6 Press ▲ or ▼ to display Ring Delay.
- **7** Press Ring Delay.
- 8 Press Toll Saver.
- 9 Press On (or Off).
- **10** Press **Stop/Exit**.

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.
2	Press ▲ or ▼ to display Fax.
3	Press Fax.
4	Press ▲ or ▼ to display Setup TAD.
5	Press Setup TAD.
6	Press ICM Rec.Monitr.
7	Press Off or On.
8	Press Stop/Exit.

Recording a conversation (MFC-790CW only)

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 (up to 3 minutes). (See Setting the maximum time for incoming messages on page 81.) The other party will hear an intermittent beeping while recording. To stop recording, press **Stop/Exit**.

10 Printing Reports

Fax reports

You need to set up the Transmission Verification Report and Journal Period using the MENU button.

Transmission Verification Report

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

If you send a lot of faxes to the same place, you may need more than the job numbers to know which faxes you must send again. Choosing On+Image or Off+Image will print a section of the fax's first page on the report to help you remember.

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

Note

If you choose On+Image or Off+Image, the image will only appear on the Transmission Verification Report if Real Time Transmission is set to Off. (See *Real time transmission* on page 39.)



Press ▲ or ▼ to display Fax.

3 Press Fax.

Press ▲ or ▼ to display Report Setting.



Press Report Setting.



Press Transmission.

Press On, On+Image, Off **or** Off+Image.



Press Stop/Exit.

Fax Journal (activity report)

You can set the machine to print a journal at specific intervals (every 50 faxes, 6, 12 or 24 hours, 2 or 7 days). If you set the interval to Off, you can still print the report by following the steps on *How to print a report* on page 84. The factory setting is Every 50 Faxes.

- 1 Press MENU.
- 2 Press ▲ or ▼ to display Fax.
- **3** Press Fax.
- 4 Press ▲ or ▼ to display Report Setting.
- 5 Press Report Setting.
- 6 Press Journal Period.
- Press ◀ or ► to choose an interval. (If you choose 7 days, the LCD will ask you to choose the first day for the 7-day countdown.)
 - 6, 12, 24 hours, 2 or 7 days

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

Every 50 Faxes

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

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

Press OK.

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

Press Stop/Exit.

Reports

The following reports are available:

XMIT Verify

Prints a Transmission Verification Report for your last transmission.

Help List

A help list showing how to program your machine.

Quick Dial

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

Fax Journal

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

User Settings

Lists your settings.

Network Config

Lists your Network settings.

Caller ID hist.

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

How to print a report

 Press MENU.
 Press ▲ or ▼ to display Print Reports.
 Press Print Reports.
 Press the report you want.
 (Quick Dial Only) Press Alphabetical Order or Numerical Order.
 Press Mono Start.
 Press Stop/Exit. **Polling**

Polling overview

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

Polling receive

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

Setup to receive polling

- Press □ (Fax).
 Press < or > to display Polling RX.
- 3 Press Polling RX.
- Press Standard.

Enter the fax number you are polling using Speed Dial or the dial pad on the control panel.

6 Press Mono Start or Colour Start.

Setup to receive polling with secure code

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

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

 Press (Fax).
 Press (or) to display Polling RX.
 Press Polling RX.
 Press Secure.
 Enter a 4-digit secure code using the buttons on the LCD. This is the same as the security code of the fax machine you are polling. Press OK.
 Enter the fax number you are polling using Speed Dial or the dial pad on the control panel.
 Press Mono Start or Colour Start.

Setup to receive delayed polling

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

1 Press 🖬 (Fax).

- 2 Press **∢** or **▶** to display Polling RX.
- **3** Press Polling RX.
- 4 Press Timer.
- Enter the time (in 24-hour format) you want to start polling.
 For example, enter 21:45 for 9:45 PM.
 Press OK.
- 6 Enter the fax number you are polling using Speed Dial or the dial pad on the control panel.
- 7 Press Mono Start or Colour Start. The machine makes the polling call at the time you entered.

Sequential polling (Monochrome only)

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

- 1 Press 📠 (Fax).
- 2 Press **∢** or **▶** to display Polling RX.
- **3 Press** Polling RX.
- 4) Press Standard, Secure or Timer.
- 5 Do one of the following:
 - If you chose Standard, go to step 6.
 - If you chose Secure, enter a fourdigit number, press OK, go to step 6.
 - If you chose Timer, enter the time (24-hour format) you want to begin polling and press OK, go to step 6.

- 6 Press **∢** or **▶** to display Broadcasting.
 - **Press** Broadcasting.
- B Do one of the following:
 - Press Add Number and enter a number using a LCD buttons.

Press OK.

■ Press Speed Dial. Press ▲ or ▼ to select a number.

Press OK.

After you have entered all the fax numbers by repeating step 3, press OK.

10 Press Mono Start.

The machine polls each number or group in turn for a document.

Cancelling a Sequential Polling Job

Press Stop/Exit.

Do one of the following:

- To cancel the entire sequential polling job, press Entire Seq. Poll. Go to step 3.
- To cancel the current job, press the button that displays the number being dialled. Go to step 4.
- To exit without cancelling, press Stop/Exit.
- When the LCD asks if you want to cancel the entire sequential polling job, do one of the following:
 - Press Yes to confirm.
 - To exit without cancelling, press No or Stop/Exit.

Do one of the following:

- To cancel the current job, press Yes.
- To exit without cancelling, press No or Stop/Exit.

Polled transmit (Monochrome only)

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

The document will be stored and can be retrieved by any other fax machine until you delete it from the memory. (See *Checking and cancelling waiting jobs* on page 40.)

Setup for polled transmit

- 1 Press 👝 (Fax).
 - Load your document.
 - Press **∢** or **▶** to display Polled TX.
- 4 Press Polled TX.
- 5 Press Standard.
- Press Mono Start.
- If you are using the scanner glass, the LCD will prompt you to choose one of the following options.
 - Press Yes to send another page. Go to 3.
 - Press No or Mono Start to send the document.
- 8 Place the next page on the scanner glass, press Mono Start. Repeat and
 (a) for each additional page.
 Your machine will automatically send the fax.

Setup for polled transmit with secure code

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

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

- 1 Press 👝 (Fax).
- Load your document.
- 3 Press **∢ or ▶ to display** Polled TX.
- 4 Press Polled TX.
- 5 Press Secure.
- 6 Enter a 4-digit number using the buttons on the LCD. Press OK.

Press Mono Start.

- 8 If you are using the scanner glass, the LCD will prompt you to choose one of the following options.
 - Press Yes to send another page.Go to 9.
 - Press No or Mono Start to send the document.
- 9 Place the next page on the scanner glass, press Mono Start. Repeat (3) and
 (9) for each additional page. Your machine will automatically send the fax.

Chapter 11

Section III

Сору

Making copies

90



How to copy

Entering Copy mode





No. of Copies 1

Press the number box directly and enter the number you want.

Also you can enter the number of copies by pressing + or - on the screen (as shown above).

Press \triangleleft or \triangleright to scroll through the copy options. Press the option that you want to set.

- Quality (See page 91.)
- Enlarge/Reduce (See page 92.)
- Paper Type (See page 94.)
- Paper Size (See page 95.)
- Brightness (See page 94.)
- Contrast (See page 94.)
- Stack/Sort (See page 94.)
- Page Layout (See page 93.)
- Book Copy (See page 95.)
- Watermark Copy (See page 95.)
- Favorite Settings (See page 96.)

🖉 Note

- The default setting is Fax mode. You can change the amount of time that the machine stays in Copy mode after the last copy operation. (See Mode Timer on page 25.)
- Book Copy and Watermark Copy features are supported by technology

from Reallusion, Inc.

Making a single copy

- Press 🔳
 - (Copy).
 - Load your document. (See Loading documents on page 21.)
- Press Mono Start for B&W copy or Colour Start for colour copy.

Making multiple copies

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

- Press (Copy).
- - Load your document. (See Loading documents on page 21.)
- 3 Enter the number of copies you want.
- 4 Press Mono Start for B&W copy or Colour Start for colour copy.

MNote

To sort the copies, press ◀ or ► to choose Stack/Sort. (See Sorting copies using the ADF on page 94.)

Stop copying

To stop copying, press Stop/Exit.

Copy settings

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

The machine returns to its default settings after 1 minute, or if the Mode Timer returns the machine to Fax mode. (See *Mode Timer* on page 25.)

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

If you want to choose more settings, press ◀ or ►.

Note

You can save some of the settings that you use most often by setting them as a favourite (up to three can be saved). These settings will stay until you change them again. (See *Setting your favourites* on page 96.)

Changing copy speed and quality

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

🔳 Fast

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

Normal

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

🔳 Best

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

Press (Copy).
 Load your document.
 Enter the number of copies you want.
 Press <or > to display Quality.
 Press Quality.
 Press Fast, Normal or Best.
 If you do not want to change additional settings, press Mono Start or

Colour Start.

Enlarging or reducing the image copied

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

- 1 Press 间 (Copy).
- Load your document.
- 3 Enter the number of copies you want.
- 4 Press ◀ or ► to display Enlarge/Reduce.
- **5 Press** Enlarge/Reduce.
- 6 Press 100%, Enlarge, Reduce, Fit to Page Or Custom(25-400%).
 - Do one of the following:
 - If you chose Enlarge or Reduce, press the enlargement or reduction ratio you want.
 - If you chose Custom(25-400%), enter an enlargement or reduction ratio from 25% to 400%.

Press OK.

If you chose 100% or Fit to Page, go to step 8.

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

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

🖉 Note

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

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

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

You can also produce a poster. When you use the poster feature your machine divides your document into sections, then enlarges the sections so you can assemble them into a poster. If you want to print a poster, use the scanner glass.



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

Important

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



- 2 Load your document.
- 3 Enter the number of copies you want.
- 5 Press Page Layout.
- 6 Press ◀ or ▶ to display Off(lin1), 2in1(P), 2in1(L), 4in1(P), 4in1(L) or Poster (3 x 3).
 - Press the setting of your choice.

- 8 If you do not want to change additional settings, press **Mono Start** or **Colour Start** to scan the page. If you placed the document in the ADF or are making a poster, the machine scans the pages and starts printing. If you are using the scanner glass, go to step ③.
- 9 After the machine scans the page, press Yes to scan the next page.
- 10 Place the next page on the scanner glass.

Press **Mono Start** or **Colour Start**. Repeat steps (9) and (10) for each page of the layout.

After all the pages have been scanned, press No to finish.

Place the document face down in the direction shown below:



You can make a poster size copy of a photograph.





Sorting copies using the ADF

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

1 Press 🔲 (Copy).



- 3 Enter the number of copies you want.
- 4 Press ◀ or ► to display Stack/Sort.
- 5 Press Stack/Sort.
- 6 Press Sort.
- If you do not want to change additional settings, press Mono Start or Colour Start.

🖉 Note

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

Adjusting Brightness and Contrast

Brightness

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

- 1 Press 🔲 (Copy).
- 2 Load your document.
- 3 Enter the number of copies you want.
- 4 Press < or ▶ to display Brightness.
- **5 Press** Brightness.
- 6 Press ◀ or ► to make a darker or lighter copy. Press OK.
- 7 If you do not want to change additional settings, press Mono Start or Colour Start.

Contrast

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

1	Press 🔲 (Copy).
2	Load your document.
3	Enter the number of copies you want
4	Press ◀ or ▶ to display Contrast.
5	Press Contrast.
6	Press ◀ or ▶ to change the contrast. Press OK.
7	If you do not want to change addition

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

Paper Options

Paper Type

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

- 1 Press 💷 (Copy).
- Load your document.
- 3 Enter the number of copies you want.
- 4 Press **∢** or **▶** to display Paper Type.
- **5 Press** Paper Type.

6 Press Plain Paper, Inkjet Paper, Brother BP71, Other Glossy or Transparency.

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

Paper Size

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





- Load your document.
- 3 Enter the number of copies you want.
- **Press ∢** or **▶** to display Paper Size.
- **Press** Paper Size.
- Press A4, A5, 10x15cm, Letter or Legal.
- If you do not want to change additional settings, press Mono Start or Colour Start.

Book Copy

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



- Load your document.
- Enter the number of copies you want.
- Press ◀ or ▶ to display Book Copy.
- Press Book Copy.



If you want to correct the data yourself, press On(Preview).

Press Mono Start or Colour Start and go to step 7.

If you want the machine to correct the data automatically, press On and go to step 8.



7 Adjust the skewed data using 🕥 or 🔯. Remove the shadows by using \triangleleft or \triangleright .

- 8 If you have finished making corrections, press Mono Start or Colour Start.

🖉 Note

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

Watermark Copy

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

🖉 Note

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

- Press (Copy).
 - Press ◀ or ► to display Watermark Copy.
 - Press Watermark Copy.
 - Press Use Watermark. Do one of the following:
 - If you want to use a template from the machine, press Edit Template and go to step 6.
 - If you want to use your own data as a watermark, press Use Image and go to step 6.
- 5 Press Text and choose the data you want to use, CONFIDENTIAL, DRAFT or COPY. Press OK.

Change other watermark settings from the available options as needed. Press OK. Go to step 7.

- 6 Do one of the following:
 - If you want to use a document as the watermark, press Scan.

Place the document that you want to use for the watermark on the scanner glass and press Mono Start or Colour Start.

The scanned data will be shown on the LCD.

Press OK and remove the watermark document you scanned.

- Go to step 7.
- If you want to use data from a media card or USB Flash memory drive as the watermark, insert the media card or USB flash memory drive and then press Media.

The image will be shown on the LCD.

Press the image you want to use for the watermark.

Change other watermark settings from the available options as needed.

Press OK.

Go to step 7.

CAUTION

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





8 Enter the number of copies you want.

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

Setting your favourites

You can store the copy settings that you use most often by setting them as a favourite. You can set up to three favorites.



- Choose the copy option and settings you want to store.
- 3 Press **∢** or **▶** to display Favorite Settings.
- Press Favorite Settings.
- Press Store.

Note

Set Watermark Copy to Off or Template when storing Favorite Settings.

- 6 Press the location where you want to store your setting for Favorite:1, Favorite: 2 or Favorite: 3.
 - Do one of the following:
 - If you want to rename your setting, press 🕢 to delete characters. Then enter the new name (up to 12 characters).

Press OK. (See Entering Text on page 195.)

If you do not want to rename your setting, press OK.
Retrieving your favourite setting

When you are ready to use one of your favourite set of settings, you can recall it.

1 Press 🔲 (Copy).



Press Favorite.

Press the favourite setting you want to retrieve.

Rename your favourite setting

After you stored your favorite setting, you can rename it.



Press ◀ or ► to display Favorite Settings.

- **3 Press** Favorite Settings.
- 4 Press Rename.
- 5 Press the favourite setting you want to rename.
- 6 Enter the new name (up to 12 characters). (See *Entering Text* on page 195.)
- 7 Press OK.

'Out of Memory' message

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

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

To free up extra memory, do the following:

- Turn off Memory Receive. (See Memory Receive (Monochrome only) on page 48.)
- Print the faxes that are in the memory. (See Printing a fax from the memory on page 54.)

When you get an Out of Memory message, you may be able to make copies if you first print incoming faxes in the memory to restore the memory to 100%. Chapter 12

Section IV

Direct Photo Printing

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

PhotoCapture Center™ Operations

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

Even if your machine is not connected to your computer, you can print photos directly from digital camera media or a USB Flash memory drive. (See *Print Images* on page 103.)

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

You can scan documents and save them directly to a memory card or USB Flash memory drive. (See *Scan to a memory card or USB Flash memory drive* on page 112.)

Using PhotoCapture Center™ from your computer

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

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

Using a memory card or USB Flash memory drive

Your Brother machine has media drives (slots) for use with the following popular

digital camera media: CompactFlash[®], Memory Stick[®], Memory Stick Pro[™], SD, SDHC, xD-Picture Card[™] and USB Flash memory drives.



CompactFlash[®]

Memory Stick[®] Memory Stick Pro™



SD, SDHC

xD-Picture Card™



USB Flash memory drive

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

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

Memory cards or USB Flash memory drive folder structure

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

- The image file extension must be .JPG (other image file extensions like .JPEG, .TIF, .GIF and so on will not be recognized).
- PhotoCapture CenterTM printing must be performed separately from PhotoCapture CenterTM operations using the PC. (Simultaneous operation is not available.)
- IBM Microdrive[™] is not compatible with the machine.
- The machine can read up to 999 files on a memory card or USB Flash memory drive.
- CompactFlash[®] Type II is not supported.
- This product supports xD-Picture CardTM Type M / Type M⁺ / Type H (Large Capacity).
- The DPOF file on the memory cards must be in a valid DPOF format. (See DPOF printing on page 106.)

Please be aware of the following:

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

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

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

(USB Flash memory drive users)

This machine supports USB Flash memory drives that have been formatted by Windows[®].

Getting started

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



- 1 USB Flash memory drive
- 2 CompactFlash[®]
- 3 SD, SDHC
- 4 Memory Stick[®], Memory Stick Pro[™]
- 5 xD-Picture Card™

CAUTION

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

Photo Capture key indications:



- Photo Capture light is on, the memory card or USB Flash memory drive is correctly inserted.
- Photo Capture light is off, the memory card or USB Flash memory drive is not correctly inserted.

Photo Capture light is blinking, memory card or USB Flash memory drive is being read or written to.

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

The machine can only read one device at a time.

Entering PhotoCapture mode

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

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

The LCD shows:



- Press View Photos if you want to quickly view and print your photos. See View Photos on page 103.
- Press Enhance Photos if you want to add special effects to your photos. See Enhance Photos on page 105.
- Press Index Print if you want to print an Index page (Thumbnails). You can also print photos using the image numbers of the Index page (Thumbnails). See Print Index (Thumbnails) on page 103.

🖉 Note

If your digital camera supports DPOF printing, see *DPOF printing* on page 106.

Press the option you want to set.

Print Images

View Photos

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



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

Press **(Photo Capture)**.

Press View Photos. Do one of the following:

- If you want to choose photos to print or print more than one for an image, go to step 3.
- If you want to print all photos,



Press Yes to confirm.

Go to step 6.

[®]Note

- Six thumbnails are displayed at a time with the current page number and total number of pages listed above the thumbnails.
- Press ◀ or ▶ repeatedly to select each photo, or hold down to scroll through all photos.
- Press to start Slide Show.

3 Press a photo from the thumbnail.

- Enter the number of copies you want either by pressing the number box directly and enter the number you want or pressing + or -. Press OK.
- 5 Repeat step 3 and 4 until you have chosen all the photos that you want to print.

- After you have chosen all the photos, press OK. You now have the following options:
 - To add the Auto Correct effect to

your chosen photos, press

(See page 105.)

- If you want to change the print settings, press Print Setting. (See page 107.)
- If you do not want to change any settings, press OK and then Colour Start to print.

Print Index (Thumbnails)

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



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



🖉 Note

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



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

Press (Photo Capture).



Press Index Print.

3

$\ensuremath{\mathsf{Press}}$ Index Sheet and choose

6 Images/Line or 5 Images/Line.





6 Images/Line

5 Images/Line

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



Do one of the following:

- Press Print Setting to change the paper type or the paper size you are using.
- If you do not want to change the paper settings, go to 7.
- Press Paper Type. Choose the paper type you are using, Plain Paper, Inkjet Paper, Brother BP71 or Other Glossy.
- Press Paper Size.
 Choose the paper size you are using, Letter or A4.
- Press Colour Start to print.

Printing Photos

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

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

Press (**Photo Capture**).

- 2 Print the Index. (See *Print Index* (*Thumbnails*) on page 103.)
- 3 Press Index Print.
- 4 Press Print Photos.
- Enter the image number that you want to print from the Index page (Thumbnails). After you have chosen the image numbers, press OK.

🖉 Note

- You can enter multiple numbers at one time by using a comma or a hyphen. For example, Enter 1, 3, 6 to print images No.1, No.3 and No.6. Enter 1-5 to print images No.1 to No.5.
- You can enter up to 12 characters (including commas) for the image numbers you want to print.
- 6 Enter the number of copies you want either by pressing the number box directly and enter the number you want or pressing + or -.

Do one of the following:

- Press Print Setting to change the print settings. (See page 107.)
- If you do not want to change any settings, press Colour Start to print.

Enhance Photos

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



The Enhance Photos feature is supported by technology from Reallusion, Inc.

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

Press (Photo Capture).



Press Enhance Photos.

🖉 Note

- Six thumbnails are displayed at a time with the current page number and total number of pages listed above the thumbnails.
- Press ◀ or ▶ repeatedly to select each photo, or hold down to scroll through all photos.
- Press to start Slide Show.
- 3 Press a photo from the thumbnails.
- 4 Press Enhance or Trim. You can also choose both together. Press OK.
- 5 Do one of the following:
 - If you chose Enhance, go to step 6.
 - If you chose Trim, go to step 7.
- Press the effect you wish to add.
 Press OK.
 Go to step (3).



You have 7 ways to add effects to your photo.



- There are some cases when red-eye may not be removed.
 - When the face is too small in the image.
 - When the face is turning too far up, down, left or right.
- After adding each effect, you can enlarge the view of the image by pressing ⊕. To go back to the original size, press <a>.

- While the image is enlarged, you can move around the image with up (▲), down (▼), left (◄) and right (►).
- Press Cancel to return to the list of effects.

Adjust the red frame around your photo. The part inside of the red frame will be printed.

- Press + or to enlarge or reduce the frame size.
- Press ▲, ▼, ◀ or ► to move the position of the frame.

Press OK when you have finished adjusting the frame setting. Press OK to confirm.

🖉 Note

If your photo is very small or has irregular proportions you may not be able to trim the photo. The LCD will display Image Too Small. or Image Too Long.

8 Enter the number of copies you want either by pressing the number box directly and enter the number you want or pressing + or -. Press OK.

9 Do one of the following.

- Press Print Setting and change the print settings. (See page 107.)
- If you do not want to change any settings, press Colour Start to print.

DPOF printing

DPOF stands for Digital Print Order Format.

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

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

When the memory card (CompactFlash[®], Memory Stick[®], Memory Stick Pro[™], SD, SDHC or xD-Picture Card[™]) with DPOF information is put into your machine, you can print the chosen image easily.

 Make sure you have put a memory card in the correct slot. The machine will ask you if you want to use DPOF setting. The DPOF file on the memory card must be in a valid DPOF format.

2 Press Yes.

3 Do one of the following:

- Press Print Setting to change the print settings. (See page 107.)
- If you do not want to change any settings, press Colour Start to print.

🖉 Note

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

PhotoCapture Center[™] print settings

You can change the print settings temporarily for the next print.

The machine returns to its default settings after 3 minutes, or if the Mode Timer returns the machine to Fax mode. (See *Mode Timer* on page 25.)



You can save the print settings you use most often by setting them as the default. (See Setting your changes as a new default on page 112.)

Print Setting		5
Print Quality	Photo	
Paper Type	Other Glossy	
Paper Size	10x15cm	

Menu Selections	Options 1	Options 2	Page
Print Quality	Normal/Photo	—	108
(Does not appear for DPOF printing)			
Paper Type	Plain Paper/Inkjet Paper/ Brother BP71/Other Glossy	—	108
Paper Size	10x15cm/13x18cm/A4/Letter	(When A4 or Letter is chosen) 8x10cm/ 9x13cm/ 10x15cm/13x18cm/ 15x20cm/Max. Size	109
Brightness (Does not appear when Enhance Photosis chosen.)	Dark Light		109
Contrast (Does not appear when Enhance Photos is chosen.)			109

13

Menu Selections	Options 1	Options 2	Page
Color Enhance	On/Off	—	110
(Does not appear when Enhance Photosis chosen.)	White Balance () Sharpness () Color Density () 0		
Cropping	On/Off	—	111
Borderless	On/Off	—	111
Date Print	On/Off	_	111
(Does not appear when DPOF print is chosen)			
Set New Default	Yes	—	112
	No		
Factory Reset	Yes	_	112
	No		

Print Speed and Quality



- **1 Press** Print Setting.
- 2 Press **▲** or **▼** to display Print Quality.
- 3 Press Print Quality.
- 4 Press Normal or Photo.
- 5 If you do not want to change additional settings, press **[5**]. Press Colour Start to print.

Paper options

Paper Type

- 1 **Press** Print Setting.
- 2 **Press** ▲ or ▼ to display Paper Type.
- 3 **Press** Paper Type.
- 4 Press the paper type you are using, Plain Paper, Inkjet Paper, Brother BP71 of Other Glossy.
- 5 If you do not want to change additional settings, press **5** Press Colour Start to print.

Paper and print size

1 Press Print Setting.



- Press ▲ or ▼ to display Paper Size.
- **Press** Paper Size.
 - Press the paper size you are using, 10x15cm, 13x18cm, A4 or Letter. Do one of the following:
 - If you chose Letter or A4, go to step 5.
 - If you chose another size of paper, go to step 6.
- Press the Print Size.

Example: Printed Position for A4 paper			
1	2	3	
8x10cm	9x13cm	10x15cm	
4	5	6	
13x18cm	15x20cm	Max. Size	

6 If you do not want to change additional settings, press <a>[>]. Press Colour Start.

Adjusting Brightness, Contrast and Colour

Brightness

- **1 Press** Print Setting.
- 2 Press ▲ or ▼ to display Brightness.
- **3 Press** Brightness.
- Press ◄ or ► to make a darker or lighter print. Press OK.
- If you do not want to change additional settings, press
 Press Colour Start to print.

Contrast

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

- **Press** Print Setting.
- 2 Press ▲ or ▼ to display Contrast.
- **Press** Contrast.
- Press ◀ or ► to change the contrast. Press OK.
- If you do not want to change additional settings, press <a>[5]. Press Colour Start to print.

Colour Enhancement

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



1 Press Print Setting.

Press ▲ or ▼ to display Color Enhance.

Do one of the following:

Press Color Enhance.

- If you want to customize the White Balance, Sharpness or Colour Density, press On, and then go to step 6.
- If you do not want to customize, press Off.

Go to step 8.

- 5 Press White Balance, Sharpness or Color Density.
- 6 Press ◀ or ► to adjust the degree of the setting. Press OK.



- If you want to customize another colour enhancement, repeat steps 6 to 6.
- If you want to change other settings, press **b** to display the print setting menu and press the setting you want to change. (See page 107.)

8 If you do not want to change additional settings, press **5** Press Colour Start to print.

Note

White Balance

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

Sharpness

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

Colour Density

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

Cropping

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

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

If you are also using the Borderless setting, turn the Borderless to Off. (See Borderless printing on page 111.)

1 Press Print Setting.



Press ▲ or **V** to display Cropping.

Press Cropping.

Press Off (or On).

5 If you do not want to change additional settings, press **5**. Press Colour Start to print.

Cropping: On



Cropping: Off



Borderless printing

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

- Press Print Setting.
- Press ▲ or ▼ to display Borderless.
- Press Borderless.
- Press Off (or On).
- If you do not want to change additional

settings, press 🔁. Press Colour Start to print.

Date Print

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

- 1 Press Print Setting.
- **Press** ▲ or ▼ to display Date Print.
- Press Date Print.
- Press On (or Off).

If you do not want to change additional

settings, press **5** Press Colour Start to print.

🖉 Note

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

Setting your changes as a new default

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

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

Restoring all settings to the factory settings

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

1 Press Print Setting.

2 Press ▲ or ▼ to display Factory Reset.

- **3 Press** Factory Reset.
- 4 Press Yes to confirm.
- 5 Press Stop/Exit.

Scan to a memory card or USB Flash memory drive

Entering Scan mode

When you want to scan to a memory card or USB Flash memory drive, press \implies (Scan).

The LCD shows:



Press Scan to Media.

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

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

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

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

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

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

CAUTION

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

Load your document.



Press 🚖 (**Scan**).



Press Scan to Media.

- 5 Do one of the following:
 - To change the quality, press < or > to display Quality. Press Quality and choose Color 150 dpi, Color 300 dpi, Color 600 dpi, B/W 200x100 dpi or B/W 200 dpi.
 - To change the file type, press < or
 to display File Type.
 Press File Type and choose PDF,
 JPEG or TIFF.
 - If you want to change the file name, press ◀ or ► to display File Name. Press File Name and enter the file name.

You can only change the first 6 characters.

Press OK.

Press Mono Start or Colour Start to start scanning without changing additional settings.

🖉 Note

- If you chose colour in the resolution setting, you cannot choose TIFF.
- If you chose monochrome in the resolution setting, you cannot choose JPEG.

Press Mono Start or Colour Start.

How to change the file name

You can change the file name.

- 1 Press 🚖 (**Scan**).
- 2 Press Scan to Media.
- 3 Press ◀ or ▶ to display File Name.

Press File Name. Press I to delete characters. Then enter the new file name (up to 6 characters). (See Entering Text on page 195.)

5 Press OK.

How to set a new default

You can set your own default setting.

 Press (Scan).
 Press Scan to Media.
 Press ◄ or ► to display Set New Default.
 Press Set New Default.
 Press Yes to confirm.

Press Stop/Exit.

How to reset to factory settings

You can reset the factory settings which you set.

 Press ≦ (Scan).
 Press Scan to Media.
 Press 4 or ► to choose Factory Reset.
 Press Factory Reset.
 Press Yes to confirm.
 Press Stop/Exit.

Understanding the Error Messages

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

Hub is Unusable.

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

Media Error

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

■ No File

This message will appear if you try to access a memory card or USB Flash memory drive in the drive (slot) that does not contain a .JPG file.

Out of Memory

This message will appear if you are working with images that are too large for the machine's memory. This message will also appear when a memory card or USB Flash memory drive you are using does not have enough space available for the scanned document.

Media is Full.

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

Unusable Device

This message will appear if a USB device or USB Flash memory drive that is not supported has been connected to the USB direct interface. For more information, visit us at <u>http://solutions.brother.com</u>. This message will also appear if you connect a broken device to the USB direct interface. **1 A** Printing photos from a camera

Printing photos directly from a PictBridge camera

PictBridge

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

If your camera is using the USB Mass Storage standard, you can also print photos from a digital camera without PictBridge. (See *Printing photos directly from a digital camera (without PictBridge)* on page 118.)

PictBridge requirements

To avoid errors, remember the following points:

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

Setting your digital camera

Make sure your camera is in PictBridge mode. The following PictBridge settings may be available from the LCD of your PictBridge compatible camera.

Depending on your camera some of these settings may not be available.

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

- ¹ See *DPOF printing* on page 117 for more details.
- ² If your camera is set to use the Printer Settings (Default setting), the machine will print your photo using the following settings.

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

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

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

Printing Images

Note

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

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



1 USB direct interface

2 Turn on the camera. When the machine has recognized the camera, the LCD shows Camera Connected.

3 Choose the photo you want to print following the instructions from your camera.

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

CAUTION

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

DPOF printing

DPOF stands for Digital Print Order Format.

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

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



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

Printing photos directly from a digital camera (without PictBridge)

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

(If you would like to print photos in PictBridge mode, see *Printing photos directly from a PictBridge camera* on page 116.)

🖉 Note

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

Printing Images

🖉 Note

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

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



CAUTION

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

Understanding the Error Messages

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

Out of Memory

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

Unusable Device

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

(For more detailed solutions see *Error and Maintenance messages* on page 150.)

15 Wireless photo printing (MFC-990CW only)

Printing photos with Bluetooth[®] wireless technology



Your Brother machine supports *Bluetooth*[®] wireless technology for printing photos.

Bluetooth[®] wireless technology enables short range wireless communication between your machine and *Bluetooth*[®] wireless technology enabled devices for printing photos.

The requirements for using Bluetooth[®] wireless technology

To avoid errors, remember the following points:

- The image file extension must be .JPG (other image file extensions such as .JPEG, .TIF and .GIF and so on will not be recognized).
- The size of the image file must be no larger than 3 MB.
- Your machine is a Class 2 device and the communication range is between 0 to 33 feet. You cannot print outside this range.



You can print photos only when the indicator is illuminated in blue. (For details about turning on the indicator, see *Enable your Bluetooth[®] wireless technology* on page 121.)

Set up your machine

Settings		5
Pass Key	0000	
Comm. Mode	Public	
Device Address	XX:XX:XX:XX:XX:XX	

Enable your Bluetooth[®] wireless technology

You can set $Bluetooth^{\mathbb{R}}$ wireless technology to On or Off.

- **1** Press MENU.
- Press ▲ or ▼ to display Bluetooth.
- **3 Press** Bluetooth.
- Press ▲ or ▼ to display Turn On/Off.
- 5 Press Turn On/Off.
- 6 Press On (or Off).

Do one of the following:

- If you want to change any other settings, press the setting you want to change.
- If you do not want to change other settings, press Stop/Exit.

Pass key

This setting creates a pass key that authorizes a *Bluetooth*[®] wireless technology enabled device to communicate with your machine. The default setting is 0000.



Press MENU.





Press Bluetooth.

- 4 Press ▲ or ▼ to display Settings.
- 5 Press Settings.
- 6 Press ▲ or ▼ to display Pass Key.
- **7** Press Pass Key.
- 8 Enter a 4-digit number pass key using the buttons on the LCD. Press OK.
- 9 Press Stop/Exit.

Communication Mode

This setting controls the level of security between other *Bluetooth*[®] wireless technology enabled devices and your machine.

- **1** Press MENU.
- 2 Press ▲ or ▼ to display Bluetooth.
- **3** Press Bluetooth.
- 4 Press ▲ or ▼ to display Settings.
- 5 Press Settings.
- 6 Press ▲ or ▼ to display Comm. Mode.
- 7 Press Comm. Mode.
 - Do one of the following:
 - Press Public if you want to allow any *Bluetooth[®]* wireless technology enabled device to use your machine.
 - Press Private if you want to allow a Bluetooth[®] enabled device that has the device address registered.
 - Press Secure if you want to allow anyone who has the correct pass key to use your machine.

Press Stop/Exit.

15

Device Address

The device address is the ID number which identifies your machine, and it cannot be edited.

Device Name

You can name your machine to distinguish from other $Bluetooth^{\mathbb{R}}$ wireless technology enabled devices.

- 1 Press MENU.
- 2 Press ▲ or ▼ to display Bluetooth.
- **3** Press Bluetooth.
- 4 Press ▲ or ▼ to display Settings.
- 5 Press Settings.
- 6 Press ▲ or ▼ to display Device Name.
- **7** Press Device Name.
- 8 Enter the name (up to 16 characters) using the buttons on the LCD.

Press I to choose numbers or characters. Press OK.

🖉 Note

You cannot enter special characters.

9 Press Stop/Exit.

Print settings

Once you set the Print settings they will remain the same until you change them.

Print Quality

1	Press MENU.
2	Press ▲ or ▼ to display Bluetooth.
3	Press Bluetooth.
4	Press ▲ or V to display Print Settings.
5	Press Print Settings.
6	Press ▲ or V to display Print Quality.
7	Press Print Quality.
8	Press Normal or Photo.
9	Press Stop/Exit.
Ра	per Type
Pa 1	per Type Press menu.
Pa 1 2	
1 2	Press MENU.
1 2 3	Press MENU. Press ▲ or ▼ to display Bluetooth.
1 2 3	Press MENU. Press ▲ or ▼ to display Bluetooth. Press Bluetooth. Press ▲ or ▼ to display
1 2 3 4	<pre>Press MENU. Press ▲ or ▼ to display Bluetooth. Press Bluetooth. Press ▲ or ▼ to display Print Settings.</pre>
1 2 3 4	<pre>Press MENU. Press ▲ or ▼ to display Bluetooth. Press Bluetooth. Press ▲ or ▼ to display Print Settings. Press Print Settings.</pre>

9 Press **Stop/Exit**.

Wireless photo printing (MFC-990CW only)

Paper Size

Press MENU.

 Press ▲ or ▼ to display Bluetooth.
 Press Bluetooth.
 Press ▲ or ▼ to display Print Settings.
 Press Print Settings.
 Press ▲ or ▼ to display Paper Size.
 Press Paper Size.
 Press 10x15cm, Letter, 13x18cm or A4.
 Press Stop/Exit.

Borderless

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

- **1** Press MENU.
- 2
- **Press** ▲ or ▼ to choose Bluetooth.
- B Press Bluetooth.
 - Press ▲ or ▼ to display Print Settings.
- 5 Press Print Settings.
- 6 Press ▲ or ▼ to display Borderless.
- **7 Press** Borderless.
- 8 Press On (or Off).
- 9 Press Stop/Exit.

Date Print

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

 Press MENU.
 Press ▲ or ▼ to display Bluetooth.
 Press Bluetooth.
 Press ▲ or ▼ to display Print Settings.
 Press Print Settings.
 Press ▲ or ▼ to display Date Print.
 Press Date Print.
 Press On (or Off).
 Press Stop/Exit.

Restoring all settings to the factory settings

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

7	Press Stop/Exit.
6	Press Yes (or No).
5	Press Factory Reset.
4	Press ▲ or V to display Factory Reset.
3	Press Bluetooth.
2	Press ▲ or ▼ to display Bluetooth.
1	Press MENU.

Understanding the Error Messages

Once you are familiar with the types of errors that can occur while you are printing from a $Bluetooth^{\ensuremath{\mathbb{R}}}$ wireless technology enabled device, you can easily identify and troubleshoot any problems.

File size is too large

This message will appear if the file size is larger than 3 MB.

Unsupported file type

This message will appear if the file type is other than .JPG.

Out of Memory

This message will appear if you are working with images that are too large for the machine's memory. This message will also appear when the *Bluetooth*[®] enabled device you are using does not have enough space available for the scanned document.

(For more detailed solutions see *Error and Maintenance messages* on page 150.)

Section V

Software

Software and Network features

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Software and Network features

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

You can find information on these features:

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

How to read HTML User's Guide

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

For Windows[®]



If you have not installed the software, see *Viewing Documentation* on page 2.

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



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



For Macintosh[®]

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



Section VI

Appendixes

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Α

Safety and Legal

Choosing a location

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

WARNING

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

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

CAUTION

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



To use the machine safely

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



WARNING

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



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



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

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



A

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



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





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



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



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

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

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

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

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

Always make sure the plug is fully inserted.

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



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

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

CAUTION

Lightning and power surges can damage this product! We recommend that you use a quality surge protection device on the AC power line or unplug the cords during a lightning storm.

DO NOT touch the Touchscreen immediately after plugging in the power cord or turning the machine on. Doing this may cause an error.


IMPORTANT-For Your Safety

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

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

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

Disconnect device

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

LAN connection

CAUTION

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

Radio interference

This product complies with EN55022 (CISPR Publication 22) /Class B. When connecting the machine to a computer, ensure that you use a USB cable which does not exceed 2.0 m in length.

International ENERGY STAR[®] Compliance Statement

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

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



Important Information for Australia

Important safety instructions

- 1 Read all of these instructions.
- 2 Save them for later reference.
- 3 Follow all warnings and instructions marked on the product.
- 4 Unplug this product from the wall socket before cleaning the outside of the machine and the scanner glass. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 5 Do not use this product near water.
- 6 Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- 7 Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heater. This product should never be placed in a built-in installation unless adequate ventilation is provided.
- 8 This product should be connected to an AC power source within the range indicated on the rating label. Do NOT connect it to a DC power source. If you are not sure, contact a qualified electrician.
- 9 This product is equipped with a 3-wire grounded plug, a plug having a third (grounded) pin. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounded plug.
- 10 Do not place anything on top of the power cord including this machine. Do not allow the power cord to be stepped on.
- 11 Do not place anything in front of the machine that will block received faxes. Do not place anything in the path of received faxes.
- 12 Do not touch a document during printing.
- 13 Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in a risk of fire or electric shock. Never spill liquid of any kind on the product.
- 14 Do not attempt to service this product yourself, because opening or removing covers may expose you to dangerous voltage points and/or other risks. Refer all servicing to service personnel.
- 15 Wait until pages have exited the machine before picking them up.

- 16 Unplug this product from the electrical socket and refer servicing to Authorized Service Personnel under the following conditions:
 - When the power cord is damaged or frayed.
 - If liquid has been spilled into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - If the product has been dropped or the cabinet has been damaged.
 - If the product exhibits a distinct change in performance, indicating a need for service.
- 17 Small metallic objects such as pins and staples may be attracted to the phone's earpiece.

Important Information for New Zealand

Important Safety Instructions

- 1 Read all of these instructions.
- 2 Save them for later reference.
- 3 Follow all warnings and instructions marked on the product.
- 4 Unplug this product from the wall outlet before cleaning the outside of the machine. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 5 The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.
- 6 This equipment does not fully meet Telecom's impedance requirements. Performance limitations may occur when used in conjunction with some parts of the network. Telecom will accept no responsibility should difficulties arise in such circumstances.
- 7 If a charge for local calls is acceptable, the "Dial Button" should not be used for local calls. Only the 7-digits of the local number should be dialled from your telephone. Do not dial the area code digit or the "0" prefix.
- 8 This equipment shall not be set to make automatic calls to the Telecom '111 ' Emergency Service.
- 9 This equipment should not be used under any circumstances which may constitute a nuisance to other Telecom customers.
- 10 Not all telephones will respond to incoming ringing when connected to the extension socket.
- 11 The answer delay setting of this equipment shall not be set to less than the default setting as this will destroy Caller ID information.

- 12 All persons using this device for recording telephone conversations shall comply with New Zealand law. This requires that at least one party to the conversation is to be aware that it is being recorded. In addition, the Principles enumerated in the Privacy Act 1993 shall be complied with in respect to the nature of the personal information collected, the purpose for its collection, how it is to be used and what it disclosed to any other party.
- 13 Do not place this product on an unstable surface, stand, or table. The product may fall, causing serious damage to the product.
- 14 Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heater. This product should not be placed in a built-in installation unless proper ventilation is provided.
- 15 This product should be connected to an AC power source within the range indicated on the rating label. Do NOT connect it to a DC power source. If you are not sure, contact a qualified electrician.
- 16 This product is equipped with a 3-wire earthed plug. This plug will fit into only an earthed socket. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete socket. Do not defeat the purpose of an earthed plug.
- 17 Do not place anything on top of the power cord including this machine. Do not allow the power cord to be stepped on.
- 18 Do not place anything in front of the machine that will block received faxes. Do not place anything in the path of received faxes.
- 19 Do not touch a document during printing.
- 20 Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in a risk of fire or electric shock. Never spill liquid of any kind on the product.
- 21 Do not attempt to service this product yourself, because opening or removing covers may expose you to dangerous voltage points and/or other risks. Refer all servicing to service personnel.
- 22 Unplug this product from the mains power and telephone line sockets, and refer servicing to qualified Service Personnel under the following conditions:
 - If the power cord is damaged or frayed.
 - If liquid has been spilled into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - If the product has been dropped or the cabinet has been damaged.
 - If the product exhibits a distinct change in performance, indicating a need for service.

- 23 This unit will only work in conjunction with a tone signalling (DTMF) telephone, but some telephones are not compatible. Since noise or speech from the telephone can upset dialling from this unit, errors may result if the devices are used together in other than quiet conditions.
- 24 Where it is necessary to dial prefix digits, such as a Caller Display override code ("0196" or "0197"), this unit will have to be used in conjunction with an associated tone signalling (DTMF) telephone.
- 25 Note that some telephones are not compatible with this unit and dialling errors may result if the two devices are used together in other than quiet conditions. The Telecom Faults Service is not to be called should such problems arise. In such cases, it is recommended that the prefix and wanted number are dialled manually.
- 26 This equipment may not provide for the effective hand-over of a call to another device connected to the same line.
- 27 This equipment is not capable, under all operating conditions, of correct operation at the higher speeds for which it is designed. Telecom will accept no responsibility should difficulties arise in such circumstances. This condition typically applies to 56 kbit/s modems and facsimile machines operating at >14.4 kbit/s.
- 28 When using the Caller Line Identification incorporated in this device, verify the integrity of the recorded digits prior to dialling.
- 29 Some parameters required for compliance with Telecom's Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom's Specifications:
 - There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation.
 - The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next call attempt.
 - Automatic calls to different numbers are spaced such that there is not less than 5 seconds between the end of one call attempt and the beginning of another.
 - Equipment shall be set to ensure that calls are answered within 3 and 30 seconds of the receipt of ringing.
- 30 In the event of any problem with this device, it is to be disconnected, and a CPE item connected to one of its terminal ports may be connected directly in its place. The user should then arrange for the product to be repaired. Should the matter be reported to Telecom as a wiring fault and the fault is proven to be due to this product, a call out charge will be incurred by the customer.
- 31 The Caller ID telephone numbers that are displayed and stored in this equipment include the caller's area code but not the toll access "0" prefix. When calling back it is necessary to add a "0" to the telephone number, or if the telephone number is a local number, omit the area code digit. If the toll services of a service provider other than Telecom are being used then a toll charge may be incurred if the "0" prefix toll access code and area code are used.

Important Information for Some Countries

Important Safety Instructions

- 1 Read all of these instructions.
- 2 Save them for later reference.
- 3 Follow all warnings and instructions marked on the product.
- 4 Unplug this product from the wall outlet before cleaning the outside of the machine and the scanner glass. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 5 Do not place this product near water.
- 6 Do not place this product on an unstable cart, stand, or table. The product may drop, causing serious damage to the product.
- 7 Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or on a radiator or heater. This product should never be placed in a built-in installation unless proper ventilation is provided.
- 8 This product should be connected to an AC power source within the range indicated on the rating label. Do NOT connect it to a DC power source. If you are not sure, contact a qualified electrician.
- 9 This product is equipped with a 2-wire grounding type plug or a 3-wire grounding type plug (Only for Singapore, Malaysia, Hong Kong and India), a plug having two or three pins. This plug will only fit into only a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
- 10 Do not place anything on top of the power cord including this machine. Do not allow the power cord to be stepped on.
- 11 If an extension cord is used with this product, make sure that the total ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating.
- 12 Do not place anything in front of the machine that will block received faxes. Do not place anything in the path of received faxes.
- 13 Do not touch a document during printing.
- 14 Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in the risk of fire or electric shock. Never spill liquid of any kind on the product.
- 15 Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points and/or other risks, and may void your warranty. Please refer all servicing to our Authorized Service Personnel. A list of Authorized Service Centres has been included for your convenience, or you may contact the Brother Dealer for Service.

- 16 Unplug this product from the wall outlet and refer servicing to Authorized Service Personnel under the following conditions:
 - If the power cord is damaged or frayed.
 - If the product has been spilled by liquid.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - If the product has been dropped or the cabinet has been damaged.
 - If the product exhibits a distinct change in performance, indicating a need for service.
- 17 To protect your product against power surges, we recommend the use of a power protection device (Surge Protector).

WARNING

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

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

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- Bonds or other certificates of debt
- Certificates of Deposit
- Armed Forces Service or Draft papers.
- Passports
- Postage Stamps (cancelled or uncancelled)
- Immigration Papers
- Welfare documents
- Cheques or Drafts drawn by Governmental Agencies
- Identification Documents, badges or insignias

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3 Troubleshooting and Routine Maintenance

Troubleshooting

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

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

If you are having difficulty with your machine

Printing

Difficulty	Suggestions
No printout	Check the interface cable on both the machine and your computer. (See the Quick Setup Guide.)
	Make sure the machine is plugged in and not in Power Save mode.
	One or more ink cartridges are empty. (See <i>Replacing the ink cartridges</i> on page 160.)
	If the LCD says Cannot Print and Replace Ink, see Replacing the ink cartridges on page 160.
	Check to see if the LCD is showing an error message. (See <i>Error and Maintenance messages</i> on page 150.)
	Check that the correct printer driver has been installed and chosen.
	Make sure that the machine is online. Click Start and then Printers and Faxes . Brother MFC-XXXX (where XXXX is your model name), and make sure that Use Printer Offline is unchecked.
	When you choose the Print Odd Pages and Print Even Pages settings, you may see a printing error message on your computer, as the machine pauses during the printing process. The error message will disappear after the machine re-starts printing.
Poor print quality	Check the print quality. (See Checking the print quality on page 166.)
	Make sure that the Media Type setting in the printer driver or the Paper Type setting in the machine's menu matches the type of paper you are using. (See <i>Printing</i> for Windows [®] or <i>Printing and Faxing</i> for Macintosh [®] in the Software User's Guide on the CD-ROM and <i>Paper Type</i> on page 25.)
	Make sure that your ink cartridges are fresh. The following may cause ink to clog:
	The expiration date written on the cartridge package has passed. (Brother Original cartridges stay usable for up to two years if kept in their original packaging.)
	The ink cartridge was in your machine over six months.
	The ink cartridge may not have been stored correctly before use.
	Try using the recommended types of paper. (See Acceptable paper and other print media on page 17.)
	The recommended environment for your machine is between 20° C to 33° C.

Printing (continued)

Difficulty	Suggestions
White horizontal lines appear in text or graphics.	Clean the print head. (See Cleaning the print head on page 165.)
	Make sure you are using Brother Original Innobella™ Ink.
	Try using the recommended types of paper. (See Acceptable paper and other print media on page 17.)
The machine prints blank pages.	Clean the print head. (See Cleaning the print head on page 165.)
	Make sure you are using Brother Original Innobella™ Ink.
Characters and lines are stacked.	Check the printing alignment. (See Checking the print alignment on page 167.)
Printed text or images are skewed.	Make sure the paper is loaded correctly in the paper tray and the paper side guides are adjusted correctly. (See <i>Loading paper and other print media</i> on page 10.)
	Make sure the Jam Clear Cover is closed correctly.
Smudged stain at the top centre of the printed page.	Make sure the paper is not too thick or curled. (See Acceptable paper and other print media on page 17.)
Smudged stain at the right or left corner of the printed page.	Make sure the paper is not curled when you print on the back side of the paper with the Print Odd Pages and Print Even Pages settings.
Printing appears dirty or ink seems to run.	Make sure you are using the recommended types of paper. (See Acceptable paper and other print media on page 17.) Don't handle the paper until the ink is dry.
	Make sure you are using Brother Original Innobella™ Ink.
	If you are using photo paper, make sure that you have set the correct paper type. If you are printing a photo from your PC, set the Media Type in the Basic tab of the printer driver.
Stains appear on the reverse side or at the bottom of the page.	Make sure the printer platen is not dirty with ink. (See <i>Cleaning the machine's printer platen</i> on page 164.)
	Make sure you are using the paper support flap. (See <i>Loading paper and other print media</i> on page 10.)
	Make sure you are using Brother Original Innobella™ Ink.
The machine prints dense lines on the page.	Check Reverse Order in the Basic tab of the printer driver.
The printouts are wrinkled.	In the printer driver Advanced tab, click Colour Settings , and uncheck Bi-Directional Printing for Windows [®] or Bi-Directional Printing for Macintosh [®] .
	Make sure you are using Brother Original Innobella™ Ink.
Cannot perform 'Page Layout' printing.	Check that the paper size setting in the application and in the printer driver are the same.
Print speed is too slow.	Try changing the printer driver setting. The highest resolution needs longer data processing, sending and printing time. Try the other quality settings in the printer driver Advanced tab. Also, click Colour Settings , and make sure you uncheck Colour Enhancement .
	Turn the borderless feature off. Borderless printing is slower than normal printing. (See <i>Printing</i> for Windows [®] or <i>Printing and Faxing</i> for Macintosh [®] in the Software User's Guide on the CD-ROM.)
Colour Enhancement is not working correctly.	If the image data is not full colour in your application (such as 256 colour), Colour Enhancement will not work. Use at least 24 bit colour data with the Colour Enhancement feature.

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Printing (continued)

Difficulty	Suggestions
Photo paper does not feed properly.	When you print on Brother photo paper, make sure you always load one additional sheet of photo paper first before loading the paper you want to print on.
	Clean the paper pick-up roller. (See <i>Cleaning the paper pick-up roller</i> on page 165.)
Photo paper does not feed properly.	When you print on Brother Photo paper, load one extra sheet of the same photo paper in the paper tray. An extra sheet has been included in the paper package for this purpose.
	Clean the paper pick-up roller. (See <i>Cleaning the paper pick-up roller</i> on page 165.)
Machine feeds multiple pages.	Make sure the paper is loaded correctly in the paper tray. (See <i>Loading paper and other print media</i> on page 10.)
	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>Loading paper and other print media</i> on page 10.)

Printing Received Faxes

Difficulty	Suggestions
Condensed print and white streaks across the page or the top and bottom of sentences are cut off.	You probably had a bad connection, with static or interference on the telephone line. Ask the other party to send the fax again.
Vertical black lines when receiving.	The sender's scanner may be dirty. Ask the sender to make a copy to see if the problem is with the sending machine. Try receiving from another fax machine.
Received colour fax prints only in black and white.	Replace the colour ink cartridges that are empty or nearly empty, and then ask the other person to send the colour fax again. (See <i>Replacing the ink cartridges</i> on page 160.)
Left and Right margins are cut off or a single page is printed on two pages.	Turn on Auto Reduction. (See <i>Printing a reduced incoming fax</i> on page 53.)

Telephone Line or Connections

Difficulty	Suggestions
Dialling does not work. (No dial tone)	Make sure the machine is plugged in and not in Power Save mode.
	Check the line cord connections.
	(Not available in New Zealand) Change the Tone/Pulse setting. (See the <i>Quick Setup Guide</i> .)
	Lift the external telephone's handset, (or the machine's handset or cordless handset if available), and then dial the number to send a manual fax. Wait to hear fax receiving tones before pressing Mono Start or Colour Start .
The machine does not answer when called.	Make sure the machine is in the correct receiving mode for your setup. (See <i>Choose the Receive Mode</i> on page 43.) Check for a dial tone. If possible, call your machine to hear it answer. If there is still no answer, check the telephone line cord connection. If there is no ringing when you call your machine, ask your telephone company to check the line.

Receiving Faxes

Difficulty	Suggestions
Cannot receive a fax.	Check all line cord connections.
	Make sure the machine is in the correct receiving mode for your setup. (See <i>Receive mode settings</i> on page 46.)
	If you often have interference on the telephone line, try changing the menu setting of Compatibility to Basic(for VoIP). (See Telephone line interference on page 149.)

Sending Faxes

Difficulty	Suggestions
Cannot send a fax.	Check all line cord connections.
	Make sure that the Fax wey is illuminated. (See Entering Fax mode on page 34.)
	Ask the other party to check that the receiving machine has paper.
	Print the Transmission Verification Report and check for an error. (See <i>Reports</i> on page 84.)
Transmission Verification Report says 'Result:ERROR'.	There is probably temporary noise or static on the line. Try sending the fax again. If you send a PC FAX message and get 'Result:ERROR' on the Transmission Verification Report, your machine may be out of memory. To gain extra memory, you can turn off Memory Receive (see <i>Turning off Memory Receive Operations</i> on page 50), print fax messages in memory (see <i>Printing a fax from the memory</i> on page 54) or cancel a Delayed Fax or Polling Job (see <i>Cancelling a fax in</i> <i>progress</i> on page 36 or <i>Checking and cancelling waiting jobs</i> on page 40). If the problem continues, ask the telephone company to check your telephone line.
	If you often get transmission errors due to possible interference on the telephone line, try changing the menu setting of Compatibility to Basic(for VoIP). (See <i>Telephone line interference</i> on page 149.)
Poor fax send quality.	Try changing your resolution to Fine or S.Fine. Make a copy to check your machine's scanner operation. If the copy quality is not good, clean the scanner. (See <i>Cleaning the scanner glass</i> on page 164.)
Vertical black lines when sending.	Black vertical lines on faxes you send are typically caused by dirt or correction fluid on the glass strip. Clean the glass strip. (See <i>Cleaning the scanner glass</i> on page 164.)

Handling Incoming Calls

Difficulty	Suggestions
The machine 'Hears' a voice as a CNG Tone.	If Fax Detect is set to On, your machine is more sensitive to sounds. It may mistakenly interpret certain voices or music on the line as a fax machine calling and respond with fax receiving tones. Deactivate the machine by pressing Stop/Exit . Try avoiding this problem by turning Fax Detect to Off. (See <i>Fax Detect</i> on page 47.)
Sending a fax call to the machine.	If you answered on an external or extension telephone, press your Remote Activation Code (the factory setting is * 5 1 (* 9 1 for New Zealand)). When your machine answers, hang up.
Custom features on a single line.	If you have Call Waiting, Call Waiting/Caller ID, an alarm system or other custom feature on a single telephone line with your machine, it may create a problem sending or receiving faxes.
	For example: If you subscribe to Call Waiting or some other custom service and its signal comes through the line while your machine is sending or receiving a fax, the signal can temporarily interrupt or disrupt the faxes. Brother's ECM (Error Correction Mode) feature should help overcome this problem. This condition is related to the telephone system industry and is common to all devices that send and receive information on a single, shared line with custom features. If avoiding a slight interruption is crucial to your business, a separate telephone line with no custom features is recommended.

Copying Difficulties

Difficulty	Suggestions
Cannot make a copy.	Make sure that the Copy key is illuminated. (See <i>Entering Copy mode</i> on page 90.)
Poor copy results when using the ADF.	Try using the scanner glass. (See Using the scanner glass on page 21.)
Vertical black lines or streaks appear in copies.	Vertical black lines or streaks on copies are typically caused by dirt or correction fluid on the glass strip. Clean the glass strip. (See <i>Cleaning the scanner glass</i> on page 164.)
Fit to Page does not work properly.	Make sure the document is not skewed on the scanner glass.

Scanning Difficulties

Difficulty	Suggestions
TWAIN/WIA errors appear when starting to scan.	Make sure the Brother TWAIN/WIA driver is chosen as the primary source. In PaperPort [™] 11SE with OCR, click File , Scan or Get Photo and click Select to choose the Brother TWAIN/WIA driver.
	(Hong Kong users only)
	Make sure the Brother TWAIN/WIA driver is chosen as the primary source. In Presto! [®] PageManager [®] with OCR, click File , Select Source and choose the Brother TWAIN/WIA driver.
Poor scanning results when using the ADF.	Try using the scanner glass. (See Using the scanner glass on page 21.)
OCR does not work.	Try increasing the scanner resolution.

Difficulty	Suggestions
Cannot install software or print.	Run the Repair MFL-Pro Suite program on the CD-ROM. This program will repair and reinstall the software.
'Device Busy'	Make sure the machine is not showing an error message on the LCD.
Cannot print images from FaceFilter Studio.	To use FaceFilter Studio, you must install the FaceFilter Studio application from the CD-ROM supplied with your machine. To install FaceFilter Studio see the <i>Quick Setup Guide</i> .
	Also, before you start FaceFilter Studio for the first time, you must make sure your Brother machine is turned On, and connected to your computer. This will allow you to access all the functions of FaceFilter Studio.

Software Difficulties

PhotoCapture Center™ Difficulties

Difficulty	Suggestions
Removable Disk does not work	1 Have you installed the Windows [®] 2000 update? If not, do the following:
correctly.	1) Unplug the USB cable.
	2) Install the Windows [®] 2000 update using one of the following methods.
	 Install MFL-Pro Suite from the CD-ROM. (See the Quick Setup Guide.)
	Download the latest service pack from the Microsoft Web site.
	 Wait about 1 minute after you restart the PC, and then connect the USB cable.
	2 Take out the memory card or USB Flash memory drive and put it back in again.
	3 If you have tried 'Eject' from within Windows [®] , take out the memory card or USB Flash memory drive before you continue.
	4 If an error message appears when you try to eject the memory card or USB Flash memory drive, it means the card is being accessed. Wait a while and then try again.
	5 If all of the above do not work, turn off your PC and machine, and then turn them on again. (You will have to unplug the power cord of the machine to turn it off.)
Cannot access Removable Disk from Desktop icon.	Make sure that you have correctly inserted the memory card or USB Flash memory drive.
Part of my photo is missing.	Make sure that Borderless Printing and Cropping are turned off. (See Borderless printing on page 111 and Cropping on page 111.)

Network Difficulties

Difficulty	Suggestions	
Cannot print over the Network.	Make sure that your machine is powered on and is online and in Ready mode. Print a Network Configuration list (see <i>Reports</i> on page 84.) and check the current Network settings printed in this list. Reconnect the LAN cable to the hub to verify that the cabling and network connections are good. If possible, try connecting the machine to a different port on your hub using a different cable. If the connections are good, the machine shows LAN Active for 2 seconds.	
	(If you are having Network problems, see the Network User's Guide for more information.)	
The network scanning feature does not work.	(For Windows [®] users only) Firewall settings on your PC may be rejecting the necessary network connection. Follow the instructions below to configure the	
The network PC-Fax Receive feature does not work.	Firewall. If you are using personal Firewall software, see the User's Guide for your software or contact the software manufacturer.	
	For Windows [®] XP SP2 and Windows Vista [®] users, see <i>Firewall settings</i> in the Software User's Guide on the CD-ROM.	
	For Windows [®] XP SP1 user's, please visit the Brother Solutions Center: (<u>http://solutions.brother.com</u>)	
Your computer cannot find your	<windows<sup>® users></windows<sup>	
machine.	Firewall settings on your PC may be rejecting the necessary network connection. For detail, see the instruction above.	
	<macintosh<sup>® users></macintosh<sup>	
	Re-select your machine in the Device Selector application located in Macintosh HD/Library/Printers/Brother/Utilities/DeviceSelector or from the model list in ControlCenter2.	

Touchscreen Difficulties

Difficulty	Suggestions
The dial pad does not work when entering numbers or characters.	Use the touchscreen buttons to enter information.

Dial Tone detection

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

- **1** Press MENU.
 - Press ▲ or ▼ to display Initial Setup.
- **3** Press Initial Setup.
- 4 Press ▲ or ▼ to display Dial Tone.
- 5 Press Dial Tone.
- 6 Press Detection or No Detection.
- Press Stop/Exit.

Telephone line interference

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

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1	Press MENU.
2	Press ▲ or ▼ to display Fax.
3	Press Fax.
4	Press ▲ or ▼ to display Miscellaneous.
5	Press Miscellaneous.
6	Press ▲ or ▼ to display Compatibility.
7	Press Compatibility.
8	Press High, Normal Or Basic(for VoIP).
	Basic(for VoIP) cuts the modem speed to 9600 bps. Unless interference is a recurring problem on your telephone line, you may prefer to use it only when needed.
	Normal sets the modem speed at 14400 bps.
	High increases the modem speed to 33600 bps. (factory setting)
9	Press Stop/Exit.

Note

When you change the compatibility to Basic(for VoIP), the ECM feature is only available for colour fax sending.

Error and Maintenance messages

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

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

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

Error Message	Cause	Action
Error Message B&W Print Only	 Cause One or more of the colour ink cartridges is empty. While this message appears on the LCD, each operation works in the following way: Printing If you click Greyscale in the Advanced tab of the printer driver you can use the machine as a monochrome printer for approximately four weeks depending on the number of pages you print. Copying If the paper type is set to Plain Paper Or 	Action Replace the empty ink cartridges. (See <i>Replacing the ink cartridges</i> on page 160.)
	 Inkjet Paper you can make copies in monochrome. Faxing If the paper type is set to Plain Paper Or Inkjet Paper the machine will receive and print the faxes in monochrome. If a sending machine has a colour fax, the machine's handshake will ask that the fax be sent as	
	monochrome. If the paper type is set to Other Glossy or Brother BP71, the machine will stop all print operations. If you unplug the machine, or take out the empty ink cartridge, you cannot use the machine until you change to a new ink cartridge. Replace the empty ink cartridges. (See <i>Replacing the ink cartridges</i> on page 160.)	

Error Message	Cause	Action
Cannot Detect	You installed a new ink cartridge too quickly and the machine did not detect it.	Take out the new ink cartridge and re-install it slowly until it clicks.
	If you are using non Brother Original ink the machine may not detect the ink cartridge.	Replace the cartridge with a Brother Original ink cartridge. If the error message remains, contact your Brother dealer.
	An ink cartridge is not installed properly.	Take out the new ink cartridge and re-install it slowly until it clicks.
Cannot Print	One or more of the ink cartridges are empty. The machine will stop all print operations. While memory is available, black and white faxes will be stored in the memory. If a sending machine has a colour fax, the machine's 'handshake' will ask that the fax be sent as black and white. If the sending machine has the ability to convert it, the colour fax will be stored in the memory as a black and white fax.	Replace the empty ink cartridges. (See <i>Replacing the ink cartridges</i> on page 160.)
Comm.Error	Poor telephone line quality caused a communication error.	If the problem continues, call the telephone company and ask them to check your telephone line.
Connection Fail	You tried to poll a fax machine that is not in Polled Waiting mode.	Check the other fax machine's polling setup.
Cover is Open.	The scanner cover is not closed completely.	Lift the scanner cover and then close it again.
	The ink cartridge cover is not completely closed.	Firmly close the ink cartridge cover until it clicks.
Data Remaining	Print data is left in the machine's memory.	Press Stop/Exit . The machine will cancel the job and clear it from the memory. Try to print again.
Disconnected	The other person or other person's fax machine stopped the call.	Try to send or receive again.
Document Jam	The document was not inserted or fed correctly, or the document scanned from the ADF was too long.	See Using the ADF on page 21. See Document jam on page 157.
File size is too large	The file you sent is too large for printing with <i>Bluetooth</i> [®] wireless technology.	Make your file smaller than 3 MB.
High Temperature	The print head is too warm.	Allow the machine to cool down.
Hub is Unusable.	A Hub or USB Flash memory drive with Hub has been connected to the USB direct interface.	A Hub or USB Flash memory drive with Hub are not supported. Unplug the device from the USB direct interface.

Error Message	Cause	Action
Image Too Long.	The proportions of your photo are irregular so effects could not be added.	Choose a regularly proportioned image.
Image Too Small.	The size of your photo is too small to trim.	Choose a larger image.
Ink low	One or more of the ink cartridges are running out of ink. If a sending machine has a colour fax to send, your machine's 'handshake' will ask that the fax be sent as black and white. If the sending machine has the ability to convert it, the colour fax will be printed at your machine as a black and white fax.	Order a new ink cartridge.
Low Temperature	The print head is too cold.	Allow the machine to warm up.
Media Error	The memory card is either corrupted, incorrectly formatted, or there is a problem with the memory card.	Put the card firmly into the slot again to make sure it is in the correct position. If the error remains, check the media drive (slot) of the machine by putting in another memory card that you know is working.
Media is Full.	The memory card or USB flash memory drive you are using already contains 999 files.	Your machine can only save to your memory card or USB flash memory drive if it contains less than 999 files. Try deleting unused files to free some space and try again.
No Caller ID	There is no incoming call history. You did not receive calls or you have not subscribed to the Caller ID service from your telephone company.	If you want to use the Caller ID feature call your telephone company. (See <i>Caller ID</i> on page 62.) (See <i>Caller ID</i> on page 64.) (See <i>Caller ID (For Singapore and Hong</i> <i>Kong)</i> on page 66.)
No Cartridge	An ink cartridge is not installed correctly.	Take out the new ink cartridge and re-install it slowly until it clicks. (See <i>Replacing the ink cartridges</i> on page 160.)
No File	The memory card or USB Flash memory drive in the media drive does not contain a .JPG file.	Put the correct memory card or USB Flash memory drive into the slot again.

Error Message	Cause	Action
No Paper Fed	The machine is out of paper or paper is not properly loaded in the paper tray, or the Jam Clear Cover is not closed properly.	 Do one of the following: Refill the paper in the paper tray, and then press Mono Start or Colour Start. Remove the paper and load it again and then press Mono Start or Colour Start. Close the Jam Clear
	The paper is jammed in the machine.	Cover properly. See <i>Printer jam or paper jam</i> on page 158.
	The Jam Clear Cover is not closed properly.	Check the Jam Clear Cover is closed evenly at both ends. (See <i>Printer jam or</i> <i>paper jam</i> on page 158.)
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 72.)
Out of Memory	The machine's memory is full.	Fax sending or copy operation in progress
		Do one of the following:
		Press Stop/Exit and wait until the other operations in progress finish and then try again.
		Clear the data in the memory. To gain extra memory, you can turn off Memory Receive. (See <i>Turning off Memory</i> <i>Receive Operations</i> on page 50.)
		 Print the faxes that are in the memory. (See Printing a fax from the memory on page 54.)
	The memory card or USB flash memory drive you are using does not have enough free space to scan the documents.	Delete unused files from your memory card or USB Flash memory drive to make some free space and then try again.
Paper Jam	Paper is jammed in the machine.	Open the Jam Clear Cover (at the back of the machine) and pull out the jammed paper by following steps in <i>Printer jam or paper jam</i> on page 158.
		Make sure the paper length guide is fit to the paper size. Do not extend the paper tray when you load A5 or smaller size paper.
Touchscreen initialization failed	The Touchscreen has been pressed before the power on initialisation has completed.	Make sure that there is nothing resting on or touching the Touchscreen.

Error Message	Cause	Action
Unable to Clean XX Unable to Init. XX Unable to Print XX Unable to Scan XX Unable to use Phone XX	The machine has a mechanical problem. — OR — A foreign object such as a clip or ripped paper is in the machine.	Open the scanner cover and remove any foreign objects inside the machine. If the error message continues, disconnect the machine from the power for several minutes, then reconnect it. (The machine can be turned off for approximately 24 hours without losing faxes stored in the memory. See <i>Transferring your faxes or</i> <i>Fax Journal report</i> on page 155.)
Unable to Clean 46 Unable to Init. 46 Unable to Print 46	Internal servicing required.	Call your Brother dealer.
Unusable Device Disconnect device from front connector & turn machine off & then on	A broken device has been connected to the USB direct interface.	Unplug the device from the USB direct interface, then press Power Save to turn the machine off and then on again.
Unusable Device Please Disconnect USB Device.	A USB device or USB Flash memory drive that is not supported has been connected to the USB direct interface. For more information, visit us at http://solutions.brother.com.	Unplug the device from the USB direct interface.
Unsupported file type	The file you sent has an unsupported file extension for printing with <i>Bluetooth</i> [®] wireless technology.	Send a suppported file type, with a JPG extension.
Wrong Paper Size	Paper is not the correct size.	Check that the machine's Paper Size setting matches the size of paper in the tray. (See <i>Paper Size</i> on page 26)

Error animation

Error animations display step-by-step instructions when paper gets jammed. You can read the steps at your own pace by pressing ▶ to see the next step and ◀ to go backward. If you do not press a key after 1 minute the animation starts running automatically again.



You can press ◀ or ► to pause the autoanimation and go back to step-by-step mode.

Transferring your faxes or Fax Journal report

If the LCD shows:

- Unable to Clean XX
- Unable to Init.XX
- Unable to Print XX
- Unable to Scan XX
- Unable to use Phone XX

We recommend transferring your faxes to another fax machine or to your PC. (See *Transferring faxes to another fax machine* on page 155 or *Transferring faxes to your PC* on page 156.)

You can also transfer the Fax Journal report to see if there are any faxes you need to transfer. (See *Transferring Fax Journal report to another fax machine* on page 156.)

🖉 Note

If there is an error message on the machine's LCD, after the faxes have been transferred, disconnect the machine from the power source for several minutes, and then reconnect it.

Transferring faxes to another fax machine

If you have not set up your Station ID, you cannot enter fax transfer mode. (See *Enter personal information (station ID)* in the Quick Setup Guide.)

- 1 Press **Stop/Exit** to interrupt the error temporarily.
- 2 Press MENU.
- 3 Press ▲ or ▼ to display Service.
- 4 Press Service.
- **Press** Data Transfer.
- **6 Press** Fax Transfer.
- Do one of the following:
 - If the LCD shows No Data, there are no faxes left in the machine's memory.
 - Press Stop/Exit.
 - Enter the fax number to which faxes will be forwarded.
- Press Mono Start.

Transferring faxes to your PC

You can transfer the faxes from your machine's memory to your PC.

- 1 Press **Stop/Exit** to interrupt the error temporarily.
- 2 Make sure you have installed MFL-Pro Suite on your PC, and then turn on PC FAX Receiving on the PC. (For details see PC- FAX receiving for Windows[®] in the Software User's Guide on the CD-ROM.)

3 Make sure you have set PC Fax Receive on the machine. (See PC Fax Receive on page 49.) If faxes are in the machine's memory when you set up PC Fax Receive, the LCD will ask if you want to transfer the faxes to your PC.

- 4 Do one of the following:
 - To transfer all faxes to your PC, press Yes. You will be asked if you want a backup print.
 - To exit and leave the faxes in the memory, press No.
- 5 Press Stop/Exit.

Transferring Fax Journal report to another fax machine

If you have not set up your Station ID, you cannot enter fax transfer mode. (See *Enter personal information (station ID)* in the Quick Setup Guide.)

- Press Stop/Exit to interrupt the error temporarily.
- 2 Press MENU.
 - 3 Press ▲ or ▼ to display Service.
- 4 Press Service.
- **5 Press** Data Transfer.
- 6 Press Report Trans.
- Enter the fax number to which the Fax Journal report will be forwarded.
- 8 Press Mono Start.

Document jam

Documents can jam in the ADF unit if they are not inserted or fed properly, or if they are too long. Follow the steps below to clear a document jam.

Document is jammed in the top of the ADF unit

- Take out any paper from the ADF that is not jammed.
- 2 Open the ADF cover.
- Oull the jammed document up and to the left.





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Press Stop/Exit.

🖉 Note

To avoid document jams close the ADF cover correctly by pushing it gently in the middle.

Document is jammed inside the ADF unit

- 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.

Β





Printer jam or paper jam

Take out the jammed paper depending on where it is jammed in the machine.

1 Pull the paper tray (1) out of the machine.



2 Pull out the jammed paper (1) and press Stop/Exit.



- 3 Reset the machine by lifting the scanner cover from the front of the machine and then closing it.
 - If you cannot remove the jammed paper from the front of the machine, or the error message still appears on the LCD after you have removed the jammed paper, please go to the next step.

4 Open the Jam Clear Cover (1) at the back of the machine. Pull the jammed paper out of the machine.







Close the Jam Clear Cover. Make sure the cover is closed properly.



6 Lift the scanner cover (1) from the front side of the machine until it locks securely into the open position. Make sure that there is no jammed paper left inside the machine.





- If the paper is jammed under the print head, unplug the machine from the power source, and then move the print head to take out the paper.
- If the print head is at the right corner as shown in the illustration, you cannot move the print head. Press Stop/Exit until the print head moves to the middle. Then unplug the machine from the power source, and take out the paper.



• If ink gets onto your skin, immediately wash it off with soap or detergent.

Lift the scanner cover to release the lock (1). Gently push the scanner cover support down (2) and close the scanner cover (3) using both hands.



B

8 Push the paper tray firmly back into the machine.

Ŵ Note

Make sure you pull out the paper support until it clicks.



Routine maintenance

Replacing the ink cartridges

Your machine is equipped with an ink dot counter. The ink dot counter automatically monitors the level of ink in each of the 4 cartridges. When the machine detects an ink cartridge is running out of ink, the machine will tell you with a message on the LCD.

🖉 Note

For example, when one of the ink cartridge is nearly empty, the LCD will display Ink low (name of colour).

You should purchase a replacement cartridge in preparation for when the machine indicates the colour is completely empty.

When one of the ink cartridge is empty, the LCD will display Cannot Print or B&W Print Only.

You should only replace the actual ink cartridge when this message Cannot Print or B&W Print Only appears on the LCD.

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

Even though the machine tells you that an ink cartridge is empty, there will be a small amount of ink left in the ink cartridge. It is necessary to keep some ink in the ink cartridge to prevent air from drying out and damaging the print head assembly. Brother multifunction machines are designed to work with ink of a particular specification and will work to a level of optimum performance and reliability when used with genuine Brother Branded ink cartridges. Brother cannot guarantee this optimum performance and reliability if ink or ink cartridges of other specifications are used. Brother does not therefore recommend the use of cartridges other than genuine Brother Branded cartridges or the refilling of empty cartridges with ink from other sources. If damage is caused to the print head or other parts of this machine as a result of using other brands of ink or ink cartridges, any repairs required as a result may not be covered by the warranty.

- Open the ink cartridge cover. If one or more ink cartridges are empty, for example Black, the LCD shows B&W Print Only or Cannot Print.
- Press the lock release lever as shown to release the cartridge indicated on the LCD. Remove the cartridge from the machine.





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

4 Turn the green knob on the protective yellow cap clockwise until it clicks to release the vacuum seal, then remove the cap (1).





5 Each colour has its own correct position. Insert the ink cartridge in the direction of the arrow on the label.



6 Gently push the ink cartridge in until it clicks, and then close the ink cartridge cover.



The machine will automatically reset the ink dot counter.

🖉 Note

- If you replaced an ink cartridge, the LCD may ask you to verify that it was a brand new one (for example, Did You Change
 BK Black). For each new cartridge you installed, press Yes to automatically reset the ink dot counter for that colour. If the ink cartridge you installed is not a brand new one, be sure to press No.
- If the LCD shows No Cartridge or Cannot Detect after you install the ink cartridges, check that the ink cartridges are installed correctly.

WARNING

If ink gets in your eyes, wash them out with water at once and call a doctor if you are concerned.



DO NOT take out ink cartridges if you do not need to replace them. If you do so, it may reduce the ink quantity and the machine will not know the quantity of ink left in the cartridge.

DO NOT touch the cartridge insertion slots. If you do so, the ink may stain your skin.

If ink gets on your skin or clothing immediately wash it off with soap or detergent.

If you mix the colours by installing an ink cartridge in the wrong position, clean the print head several times after correcting the cartridge installation.

Once you open an ink cartridge, install it in the machine and use it up within six months of installation. Use unopened ink cartridges by the expiration date written on the cartridge package.

DO NOT dismantle or tamper with the ink cartridge, this can cause the ink to leak out of the cartridge.

Troubleshooting and Routine Maintenance

Cleaning the outside of the machine

Clean the Touchscreen as follows:

CAUTION

Turn off the power switch when you clean the Touchscreen.

DO NOT use any type of liquid cleaners (including ethanol).

Clean the Touchscreen with a dry soft cloth.



Clean the outside of the machine as follows:



Use neutral detergents. Cleaning with volatile liquids such as thinner or benzine will damage the outside surface of the machine.

DO NOT use cleaning materials that contain ammonia.

DO NOT use isopropyl alcohol to remove dirt from the control panel. It may crack the panel. Pull the paper tray (1) completely out of the machine.





Wipe the outside of the machine with a soft cloth to remove dust.



- 3 Lift the output paper tray and remove anything that is stuck inside the paper tray.
 - Wipe the paper tray with a soft cloth to remove dust.



Close the output paper tray and put the paper tray firmly back in the machine.

Cleaning the scanner glass

1 Lift the document cover (1). Clean the scanner glass (2) and the white plastic (3) with a soft lint-free cloth moistened with a non-flammable glass cleaner.



In the ADF unit, clean the white bar (1) and the glass strip (2) with a lint-free cloth moistened with a non-flammable glass cleaner.



🖉 Note

In addition to cleaning the glass strip with a non-flammable glass cleaner, run your finger tip over the glass strip to see if you can feel anything on it. If you feel dirt or debris, clean the glass strip again concentrating on that area. You may need to repeat the cleaning process three or four times. To test, make a copy after each cleaning.

Cleaning the machine's printer platen

WARNING

Be sure to unplug the machine from the electrical socket before cleaning the printer platen (1).

- Lift the scanner cover until it locks securely into the open position.
- Clean the machine's printer platen (1) and the area around it, wiping off any scattered ink with a soft, dry lint-free cloth.



Cleaning the paper pick-up roller

- Pull the paper tray completely out of the machine.
- 2 Unplug the machine from the electrical socket and open the Jam Clear Cover (1) at the back of the machine.



Clean the Paper Pick-up Roller (1) with isopropyl alcohol on a cotton swab.



- Close the Jam Clear Cover. Make sure the cover is closed correctly.
- 5 Put the paper tray firmly back in the machine.
 - Re-connect the power cord.

Cleaning the print head

To maintain print quality, the machine will automatically clean the print head. You can start the cleaning process manually if there is a print quality problem.

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

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

CAUTION

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

🚺 Press 🚺

Press Cleaning.

Press Black, Color or All. The machine cleans the print head. When cleaning is finished, the machine will go back to the Ready screen automatically.

Note

If you clean the print head at least five times and the print has not improved, try installing a new Brother original Innobella[™] replacement cartridge for each problem colour. Try cleaning the print head again up to five more times. If the print has not improved call your Brother dealer.

Checking the print quality

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

1	Press 🚺.
2	Press Test Print.
3	Press Print Quality.
4	Press Colour Start . The machine begins printing the Print Quality Check Sheet.
5	Check the quality of the four colour blocks on the sheet.
6	The LCD asks you if the print quality is OK. Do one of the following:
	If all lines are clear and visible, press Yes to finish the Print Quality check and go to step () .
	If you can see missing short lines as shown below, press No to choose

OK

No.

Poor



- 7 The LCD asks you if the print quality is OK for black and three colours. Press Yes or No.
- 8 The LCD asks you if you want to start cleaning.
 Press Colour Start.
 The machine starts cleaning the print head.

9 After cleaning is finished, press Colour Start.

The machine starts printing the Print Quality Check Sheet again and then return to step **5**.

10 Press Stop/Exit.

If you repeat this procedure at least five times and the print quality is still poor, replace the ink cartridge for the clogged colour.

After replacing the ink cartridge, check the print quality. If the problem still exists, repeat the cleaning and test print procedures at least five times for the new ink cartridge. If ink is still missing, call your Brother dealer.

CAUTION

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

🖉 Note



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



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

Checking the print alignment

You may need to adjust the print alignment after transporting the machine, if your printed text becomes blurred or images become faded.

🚺 Press 📘



- Press Alignment.
- Press Mono Start or Colour Start. The machine starts printing the Alignment Check Sheet.
- 5 Check the 600 dpi and 1200 dpi test prints to see if number 5 most closely matches number 0.

6 Do one of the following:

- If the number 5 samples of both the 600 dpi and 1200 dpi test prints are the best matches, press Yes to finish the Alignment Check and go to step 9.
- If another test print number is a better match for either 600 dpi or 1200 dpi, press No to choose it.
- For 600 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 8 For 1200 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).



9 Press Stop/Exit.

Checking the ink volume

Although an ink volume icon appears on the LCD, you can use the ink menu to see a large graph showing the ink that is left in each cartridge.



Press Ink Volume.

The LCD shows the ink volume.

B



Press Stop/Exit.

🖉 Note

You can check the ink volume from your computer. (See *Printing* for Windows[®] or Printing and Faxing for Macintosh[®] in the Software User's Guide on the CD-ROM.)

Uninstalling and installing the handset and handset cradle (MFC-790CW only)

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

Uninstalling the handset and handset cradle

1

Unplug the curled handset cord from the machine.



2 Pull the tab (1) back and hold it in position as you push the cradle (2) to the back of the machine.



3 Attach the side cover.



Installing the handset and handset cradle





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



Connect the curled handset cord to the machine.



Machine Information

Checking the serial number

You can see the machine's serial number on the LCD.

В

- 1 Press MENU.
- Press ▲ or ▼ to display Machine Info.
- **3 Press** Machine Info.
- 4 Press Stop/Exit.

Packing and shipping the machine

When you transport the machine, use the packing materials that came with your machine. Follow the instructions below to properly pack your machine. Damage caused to your machine during transit is not covered by your warranty.



head.

It is important to allow the machine to 'park' the print head after a print job. Listen carefully to the machine before unplugging it to make sure that all mechanical noise has stopped. Not allowing the machine to finish this parking process may lead to print problems and possible damage to the print

- Open the ink cartridge cover.
- 2 Press the ink release lever to release the ink cartridge and take out the ink cartridges. (See *Replacing the ink cartridges* on page 160.)
- 3 Install the green protective part and then close the ink cartridge cover.





CAUTION

Make sure that the plastic tabs on both sides of the green protective part (1) have securely clicked into place (2).



If you are not able to find the green protective part, DO NOT remove the ink cartridges before shipping. It is essential that the machine be shipped with either the green protective part or the ink cartridges in position. Shipping without them will cause damage to your machine and may void your warranty. When travelling with the ink cartridges still in the machine please keep the machine upright as this will protect the machine from leakage. 4 Lift the front of the machine and hook the long end (1) of the green protective part into the T-shaped hole underneath the machine. Push the forked end (2) onto the top of the paper tray.



- 5 Unplug the machine from the telephone wall socket and take the telephone line cord out of the machine.
- 6 Unplug the machine from the electrical socket and from the machine.
- 7 Using both hands, use the plastic tabs on both sides of the machine to lift the scanner cover until it locks securely into the open position. Then unplug the interface cable from the machine, if it is connected.

8 Lift the scanner cover (1) to release the lock. Gently push the scanner cover support down (2) and close the scanner cover (3) using both hands.





Wrap the machine in the bag.



10 Pack the machine and the printed materials in the original carton with the original packing material as shown in the illustration.

Do not pack the used ink cartridges in the carton.





(1) Close the carton and tape it shut.

С

Menu and Features

On-screen programming

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

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

Menu table

You can program your machine by using the Menu table that begins on page 174. These pages list the menu selections and options.

Memory storage

Even if there is a power failure, you will not lose the settings you have chosen using the Menu key because they are stored permanently. Also, you will not lose your settings in the PhotoCapture, Fax and Copy mode key menus if you have chosen Set New Default. You may have to reset the date and time.



During a power failure the machine will retain messages that are in the memory for approximately 24 hours.

Mode and menu keys



Menu table

The menu table will help you understand the menu selections and options that are found in the machine's programs. The factory settings are shown in Bold with an asterisk.

MENU (MENU)

Level1	Level2	Level3	Options	Descriptions	Page
General Setup	Mode Timer	—	Off	Sets the time to return to	25
			0 Sec	Fax mode.	
			30 Secs		
			1 Min		
			2 Mins*		
			5 Mins		
	Paper Type	—	Plain Paper*	Sets the type of paper in	25
			Inkjet Paper	the paper tray.	
			Brother BP71		
			Other Glossy		
			Transparency		
	Paper Size	—	A4*	Sets the size of the paper	26
			A5	in the paper tray.	
			10x15cm		
			Letter		
			Legal		
	Volume	Ring	Off	Adjusts the ring volume.	26
			Low		
			Med*		
			High		
		Beeper	Off	Adjusts the volume level of the beeper.	27
			Low*		
			Med		
			High		
		Speaker	Off	Adjusts the volume level	27
			Low	of the speaker.	
			Med*		
			High		
	Daylight Save	—	On*	Changes for Daylight	28
			Off	Savings Time manually.	
	The factory setting	s are shown in Bol	d with an asterisk.		

Level1	Level2	Level3	Options	Descriptions	Page
General Setup (Continued)	P.Save Setting	Fax Receive: On* Fax Receive: Off	Ring Tone:On Ring Tone:Off* (For MFC-990CW when you choose Fax Receive:On)	Customizes the Power Save key not to receive faxes in power save mode.	23
	LCD Settings	LCD Contrast	Light Med* Dark	Adjusts the contrast of the LCD.	29
		Backlight	Light* Med Dark	You can adjust the brightness of the LCD backlight.	29
		Dim Timer	Off 10 Secs 20 Secs 30 Secs*	You can set how long the LCD backlight stays on for after the last key press.	29
	Sleep Mode		1 Min 2 Mins 3 Mins 5 Mins 10 Mins* 30 Mins 60 Mins	You can choose how long the machine will remain idle before it goes into sleep mode.	28
	Echo Control (MFC-990CW only)	_	<pre>level1* level2 level3 level4</pre>	Adjusts the Echo Control level.	See DECT™ Handset BCL-D70 User's Guide
	The factory setting	s are shown in Bold	d with an asterisk.		

Level1	Level2	Level3	Options	Descriptions	Page
Fax Setup Receiv	Setup Receive	Ring Delay	Ring Delay 2 - 10 (2*) (Example for Australia)	Sets the number of rings before the machine answers in Fax Only or Fax/Tel mode.	46
			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.	81
		F/T Ring Time	20 Secs 30 Secs*	Sets the pseudo/double- ring time in Fax/Tel mode.	46
			40 Secs		
			70 Secs		
			(For New Zealand)		
			20 Secs		
	30 Secs*	30 Secs*			
			40 Secs		
			55 Secs		
		Fax Detect	On*	Receives fax messages	47
			Semi	automatically when you answer a call and hear the	
			Off	fax tone.	
		Remote Codes	On*	Allows you to answer all	68
			(*51, #51)	calls at an extension or external telephone and	
			(*91, #91 for New Use codes to turn th Zealand) use codes to turn th	use codes to turn the machine on or off. You	
			Off	can personalize these codes.	
		Auto Reduction	On*	Cuts the size of incoming faxes.	53

Level1	Level2	Level3	Options	Descriptions	Page
Fax (Continued)	Setup Receive (Continued)	Memory Receive	Off* Fax Forward Fax Storage PC Fax Receive On	You can set the machine to either forward fax messages, store incoming faxes in the memory (so you can retrieve them while you are away from your machine), or send faxes to your PC. If you choose Fax Forward or PC Fax Receive, you can turn on the Backup Print safety feature. You can preview faxes.	48
			Off*		
	Report Setting	Transmission Journal Period	On On+Image Off* Off+Image Off Every 50 Faxes* Every 6 Hours Every 12 Hours	Initial setup for Transmission Verification Report and Fax Journal Report.	83
			Every 24 Hours Every 2 Days Every 7 Days		
	Print Document	-	-	Prints incoming faxes stored in the memory.	54
	Remote Access	-	*	Set your own code for Remote Retrieval.	54
	Remaining Jobs	-	-	Check which jobs are in the memory and lets you cancel chosen jobs.	40

Level1	Level2	Level3	Options	Descriptions	Page
Fax	Setup TAD	OGM	TAD Message	Play/Record or erase the	78
(Continued)			F/T Message	outgoing message.	
		ICM Max.Time	30 Secs*	Choose the maximum	81
			60 Secs	length of incoming messages.	
			120 Secs	moodagee	
			180 Secs		
		ICM Rec.Monitr	Off	Allows you to turn the	81
			On*	speaker volume for voice messages as they come in On or Off.	
	Miscellaneous	Mem Security	Set Password	Prohibits most functions	31
			Set Security	except receiving faxes into memory.	
		Compatibility	High*	Adjusts the modem speed	149
			Normal	to help resolve transmission problems.	
			Basic(for VoIP)		
		Distinctive	On	Use with phone company	60
		(Not available in New Zealand)	Off*	distincive ringing service allows you to have a voice number and fax number on the one phone line.	65
		Faxability	On	If you have FaxAbility from	63
		(For New Zealand only)	Off*	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.	
		Call Waiting	On	If you have Call Waiting as	64
		(For New Zealand only)	Off*	well as FaxAbility, set the Call Waiting to On.	

С

Network menu

d LAN	TCP/IP	BOOT Method IP Address Subnet Mask	Auto* Static RARP BOOTP DHCP [000-255]. [000-255]. [000-255]. [000-255]. [000-255]. [000-255]. [000-255]. [000-255].	Chooses the BOOT method that best suits your needs. Enter the IP address.
			RARP BOOTP DHCP [000-255]. [000-255]. [000-255]. [000-255] [000-255].	that best suits your needs. Enter the IP address. Enter the Subne
			BOOTP DHCP [000-255]. [000-255]. [000-255]. [000-255] [000-255].	Enter the IP address. Enter the Subne
			DHCP [000-255]. [000-255]. [000-255]. [000-255] [000-255].	address. Enter the Subne
			[000-255]. [000-255]. [000-255]. [000-255] [000-255].	address. Enter the Subne
			[000-255]. [000-255]. [000-255] [000-255].	address. Enter the Subne
		Subnet Mask	[000-255]. [000-255] [000-255].	Enter the Subne
		Subnet Mask	[000-255] [000-255].	
		Subnet Mask	[000-255].	
		Subnet Mask		
			[000-255].	
				mask.
			[000-255].	
			[000-255]	
		Gateway	[000-255].	Enter the
			[000-255].	Gateway address.
			[000-255].	address.
	[000-255]			
	BRNXXXXXXXXXXXX	Enter the Node name.		
		WINS Config	Auto*	Chooses the
			Static	WINS configuration mode.
		WINS Server	(Primary) 000.000.000.000	Specifies the IF address of the
			(Secondary) 000.000.000.000	primary or secondary server.
		DNS Server	(Primary) 000.000.000.000	Specifies the IF address of the
			(Secondary) 000.000.000.000	primary or secondary server.
		APIPA	On*	Automatically
			Off	allocates the IP address from the link-local address range.
		CD-ROM	-1	·
		letwork User's Guide on the	Ietwork User's Guide on the CD-ROM	APIPA On* Off

Level1	Level2	Level3	Level4	Options	Descriptions
Network	Wired LAN	Ethernet	Auto*		Chooses the
(Continued)	(Continued)		100B-FD		Ethernet link mode.
			100B-HD		
			10B-FD		
			10B-HD		
	WLAN	TCP/IP	BOOT Method	Auto*	Chooses the
				Static	BOOT method that best suits
				RARP	your needs.
				BOOTP	
				DHCP	
			IP Address	[000-255].	Enter the IP
				[000-255].	address.
				[000-255].	
				[000-255]	
			Subnet Mask	[000-255].	Enter the Subne
				[000-255].	mask.
				[000-255].	
				[000-255]	
			Gateway	[000-255].	Enter the
				[000-255].	Gateway address.
				[000-255].	
				[000-255]	
			Node Name	BRWXXXXXXXXXXXX	Enter the Node name.
			WINS Config	Auto*	Chooses the
				Static	WINS configuration mode.
			WINS Server	(Primary) 000.000.000.000	Specifies the IP address of the
				(Secondary) 000.000.000.000	primary or secondary server.
			DNS Server	(Primary) 000.000.000.000	Specifies the IP address of the
				(Secondary) 000.000.000.000	primary or secondary server.
	See Network Us	ser's Guide on the C	CD-ROM	-	•
ß	The factory setti	ngs are shown in B	old with an asterisk.		

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	WLAN (Continued)	TCP/IP (Continued)	APIPA	On* Off	Automatically allocates the IP address from the link-local address range.
		Setup Wizard	_	_	You can configure your print server.
		SES/WPS/AOSS	_	_	You can easily configure your wireless network settings using the one-button push method.
		WPS w/PIN Code	_	_	You can easily configure your wireless network settings using WPS with a PIN code.
		WLAN Status	Status	_	You can see the current wireless network status.
			Signal	_	You can see the current wireless network signal strength.
			SSID	—	You can see the current SSID.
			Comm. Mode	-	You can see the current Communication Mode.
	Network I/F	_	Wired LAN* WLAN	_	You can choose the network connection type.
	Factory Reset	_	Yes No	_	Restores all wired and wireless network settings to the factory default.
	See Network User	's Guide on the CD-	ROM		
	The factory setting	s are shown in Bold	l with an asterisk.		

MENU (MENU) (continued)

Level1	Level2	Level3	Options	Descriptions	Page
Bluetooth	Turn On/Off	—	On	Turn on to use <i>Bluetooth</i> ®	121
(MFC-990CW			Off*	wireless technology.	
only)	Settings	Pass Key	_	Authorizes a <i>Bluetooth</i> [®] wireless technology enabled device to communicate with your machine	121
		Comm. Mode	Public*	Controls the level of	121
			Private	security between other <i>Bluetooth</i> [®] wireless	
			Secure	technology enabled devices and your machine	
		Device Address	—	Identifies your machine	122
		Device Name	—	Name of your machine.	122
	Print Settings	Print Quality	Normal	Choose the print quality.	122
			Photo*		
		Paper Type	Plain Paper	Choose the paper type	122
			Inkjet Paper	that matches the paper in the tray.	
			Brother BP71		
			Other Glossy*		
		Paper Size	10x15cm*	Choose the paper size	123
			13x18cm	that matches the paper in the tray.	
			A4		
			Letter		
		Borderless	On*	Expands the printable	123
			Off	area to fit the edges of the paper.	
		Date Print	On	Prints the date on your	123
			Off*	photos.	
	Factory Reset	—	Yes	You can restore all	123
			No	settings to the factory settings.	
Ø	The factory setting	s are shown in Bolo	d with an asterisk.		

Level2	Level3	Options	Descriptions	Page
XMIT Verify	—	—	Prints these lists and	83
Help List	—	—	reports.	
Quick Dial	—	Alphabetical Order		
		Numerical Order		
Fax Journal	—	—	-	
User Settings	—	—		
Network Config	—	—		
Caller ID hist.	—	—		
Serial No.	—	—	Lets you check the serial number of your machine.	169
Receive Mode	—	Fax Only*	Choose the receive mode	43
(MFC-790CW		Fax/Tel	that best suits your needs.	
only)		Manual		
Receive Mode		Fax Only	-	
(MFC-990CW		Fax/Tel*		
only)		Manual		
Date&Time		_	Puts the date and time on the LCD and in headings of faxes you send.	See Quick Setup
Station ID	_	Fax: Name:	Set your name and fax number to appear on each page you fax.	Guide
Tone/Pulse	_	Tone*	Choose the dialling mode.	
(Not available in New Zealand)		Pulse		
Dial Tone	—	Detection	Turns Dial Tone Detection	149
		No Detection*	on or off.	
Register Handset	—	Register	Sets the machine to	See
(MFC-990CW only)		Terminate	register the cordless handset.	DECT™ Handset BCL-D70
	XMIT Verify Help List Quick Dial Fax Journal User Settings Network Config Caller ID hist. Serial No. Receive Mode (MFC-790CW only) Receive Mode (MFC-990CW only) Date&Time Station ID Tone/Pulse (Not available in New Zealand) Dial Tone Register Handset	XMIT Verify	XMIT VerifyHelp ListQuick DialAlphabetical Order Numerical OrderFax JournalUser SettingsNetwork ConfigCaller ID histSerial NoReceive ModeFax Only* Fax/Tel ManualReceive ModeFax Only Fax/Tel ManualReceive ModeFax Only Fax/Tel* ManualReceive ModeFax Only Fax/Tel* ManualDate&TimeStation IDFax: Name:Tone/PulseTone* PulseNew Zealand)Detection No Detection*Register HandsetRegister	XMIT Verify Prints these lists and reports. Help List



Level1	Level2	Level3	Options	Descriptions	Page
Fax Resolution	—	—	Standard*	Sets the resolution for	39
			Fine	outgoing faxes.	
			S.Fine		
			Photo		
Contrast	—	—	Auto*	Changes the lightness or	38
			Light	darkness of faxes you send.	
			Dark		
Broadcasting	Add Number			You can send the same fax	37
-	Speed Dial			message to more than one	
				fax number.	
Preview	-	_	On	You can preview a fax message before send it.	36
			Off*	-	
Delayed Fax	-	—	On (00;00)	Sets the time of day in 24-hour format that the	40
			Off*	delayed faxes will be sent.	
Batch TX	_	_	On	Combines delayed faxes to	40
			Off*	the same fax number at the	
				same time of day into one transmission.	
Real Time TX -	_	_	On	You can send a fax without	39
			Off*	using the memory.	
Polled TX	_	_	Standard	Sets up the document on	87
			Secure	your machine to be retrieved	
			Off*	by another fax machine.	
Polling RX			Standard	Sets up your machine to poll another fax machine.	85
	_		Secure		05
			Timer		
Oversee Med-			Off*	If you are having difficulty	40
Overseas Mode			On	If you are having difficulty sending faxes overseas, set	40
			Off*	this to On.	
Glass ScanSize	-	—	A4*	Adjust the scan area of the	35
			Letter	scanner glass to the size of the document.	
Set New Default		<u> </u> _	Yes	You can save your fax	41
			No	settings.	
Factory Reset			Yes	You can restore all settings	41
Lactory Repet			No	to the factory settings.	
			NO		

Level1	Level2	Level3	Options	Descriptions	Page
Speed Dial		Set Speed Dial		You can set up dial by pressing only a few keys.	72
		Setup Groups		You can set up a Group numbers for Broadcasting.	75
		Change		You can change Speed Dial numbers.	72
		Delete	_	You can delete a Speed Dial numbers.	75
History	Outgoing Call	Send a fax	—	You can choose a number	71
		Make a phone call		from the Outgoing Call history and then make a telephone call to it, send a	
		More	Add to Speed Dial	fax to it, add it to Speed Dial, or delete it.	
			Delete		
	Caller ID hist.	Send a fax	—	You can choose a number	71
		Make a phone call		from the Caller ID history and then make a telephone call to it, send a fax to it, add it to Speed Dial, or delete it.	
		More	Add to Speed Dial		
			Delete		
	The factory setting	s are shown in Bold	with an asterisk.		

Scan (놀)

Level1	Option1	Option2	Option3	Descriptions	Page
Scan to E-mail	_	_	_	You can scan a monochrome or a colour document into your E-mail application.	See Software User's
Scan to Image	_	_	—	You can scan a colour picture into your graphics application.	Guide on the CD-ROM
Scan to OCR	_	—	—	You can have your text document converted to an editable text file.	
Scan to File	_	—	—	You can scan a monochrome or a colour document into your computer.	
Scan to Media	Quality	—	Color 150 dpi*	You can choose the scan	113
(when a memory card or USB			Color 300 dpi	resolution, file format for your document.	
Flash memory			Color 600 dpi		
drive is inserted)			B/W 200x100 dpi		
			B/W 200 dpi		
	File Type		(If you chose colour option in Quality setting)		
			PDF*		
			JPEG		
			(If you chose Mono option in Quality setting)		
			PDF*		
			TIFF		
	File Name	—	—	You can rename the file.	
	Set New Default	_	Yes	You can save your scan	114
			No	settings.	
	Factory Reset		Yes	You can restore all settings to	114
			No	the factory settings.	
	The factory settings	are shown in Bold v	vith an asterisk.		

Menu and Features

Сору (💷)

Level1	Level2	Level3	Options	Descriptions	Page
Quality	—	-	Fast	Choose the Copy resolution	90
			Normal*	for your type of document.	
			Best		
Enlarge/Reduce	100%*	—	—	—	92
	Enlarge	—	198% 10x15cm→A4	You can choose the	92
			186%10x15cm-LTR	enlargement ratio for your type of document.	
			142% A5 → A4		
	Reduce	_	97% LTR → A4	You can choose the	92
			93% A4 → LTR	reduction ratio for your type of document.	
			83% LGL → A4		
			69% A4 → A5		
			47% A4 → 10x15cm		
	Fit to Page	_	—	Your machine will adjust the size automatically to the paper size you set.	92
	Custom (25-400%)	_	_	You can choose the enlargement or reduction ratio for your type of document.	92
Paper Type	—	—	Plain Paper*	Choose the paper type that	94
			Inkjet Paper	matches the paper in the tray.	
			Brother BP71	tidy.	
			Other Glossy		
			Transparency		
Paper Size	_	_	A4*	Choose the paper size that	95
			A5	matches the paper in the tray.	
			10x15cm		
			Letter		
	1				

Level1	Level2	Level3	Options	Descriptions	Page
Brightness	—	—	Dark Light	Adjusts the brightness of copies.	94
			 ✓ +2 		
Contrast			- +	Adjusts the contrast of	94
			-2	copies.	
			 Image: A state of the state		
			 ↓1 		
			 +2 		
Stack/Sort	_		Stack*	You can choose to stack or	94
			Sort	sort multiple copies.	
Page Layout	—	Off(lin1)*	—	You can make N in 1 or	93
		2in1(P)		Poster copies.	
		2in1(L)			
		4in1(P)			
		4in1(L)			
		Poster (3 x 3)			
Book Copy	On	—	—	Corrects dark borders and	95
	On(Preview)	(Skew Adjustment)	_	skew when copying from the scanner glass.	·
		(Shadow Revise)	_		
	Off*		—		
Watermark Copy	Use Watermark	_	See the watermark copy settings in the	You can place a logo or text into your document as a Watermark.	95
	Edit Template		following table.		
	Use Image				
Favorite Settings	Store		Favorite:1	You can save your	96
	Rename		Favorite:2	Favourite settings.	
			Favorite:3		
	The factory settings	s are shown in Bold		1	1

Watermark Copy Settings

Option1	Option2	Option3	Option4	Descriptions	Page
Edit Template	—	Text	CONFIDENTIAL*	Places a text into your document as a Watermark	95
			DRAFT	using a template.	
			СОРҮ		
	—	Position	А		
			В		
			С		
			D		
			E*		
			F		
			G		
			н		
			I		
			Pattern		
	_	Size	Small		
			Medium*		
			Large		
		Angle	-90°		
			-45°*		
			0°		
			+ 45°		
			+90°		
	—	Transparency	+	-	
			 Image: A transformed and tran		
			 ✓ ✓ +2 		
	—	Colour	Red		
			Orange		
			Yellow		
			Green		
			Blue		
			Purple		
			Black*		

Option1	Option2	Option3	Option4	Descriptions	Page
	Scan (Set page and press start)	Transparency	$\begin{array}{c} - & + \\ \hline & -2 \\ \hline & -2 \\ \hline & -2 \\ \hline & -1 \\ \hline & -1$	Places a logo or text into your document as a Watermark using a scanned image.	95
	Media	Position	A B C D E* F G H I Pattern	Places a logo or text into your document as a Watermark using an image from removable media.	
		Size	Small Medium* Large		
		Angle	-90° -45°* 0° +45° +90°		
		Transparency	$\begin{array}{c} - & + \\ \hline \bullet & -2 \\ \hline \hline \hline \bullet & -2 \\ \hline \hline \hline \bullet & -2 \\ \hline $		
	The factory settin	gs are shown in Bold	with an asterisk.		



Level1	Level2	Level3	Options	Descriptions	Page
View Photos	(Print All Photos)	(Auto Correct)	See the print settings in the following table.	You can print all photos in your memory card or USB Flash memory drive.	103
		(Auto correct)		The machine starts a Slide Show of your photos.	
	(Slide Show)			The machine decides the suitable effect for your photo.	105
Enhance Photos	Enhance	(Auto Correct)	See the print settings in the following table.	You can adjust your photos with these settings.	105
		(Enhance Skin)			
		(Enhance Scenery)			
		(Remove Red-Eye)			
		(Monochrome)			
		(Sepia)			
		(Auto Correct Remove Red-Eye)			
	Trim			You can trim your photo and print a part of the image.	105
Index Print	Index Sheet	<pre>6 Images/Line* 5 Images/Line</pre>	See the print settings in the following table.	You can print a thumbnail page.	103
	Print Photos	—		You can print an individual image.	104

Print Settings

Option1	Option2	Option3	Option4	Descriptions	Page
Print Quality	Normal	—	—	Choose the print quality.	108
(Does not appear for DPOF printing)	Photo*				
Paper Type	Plain Paper	—	—	Choose the paper type.	108
	Inkjet Paper				
	Brother BP71				
	Other Glossy*				
Paper Size	10x15cm*	(When A4 or	—	Choose the paper and print	108
	13x18cm	Letter is chosen)		size.	
	A4	8x10cm			
	Letter	9x13cm			
		10x15cm			
		13x18cm			
		15x20cm			
		Max. Size*			
Brightness	Dark Light	—	—	Adjusts the brightness.	109
(Does not appear	-2				
when	-1 •				
Enhance Photos is chosen.)					
	+1				
	 +2 				
Contrast	- +			Adjusts the contrast.	109
(Does not appear					
when					
Enhance Photos is chosen.)					
15 01103011.)					
	+1				
	+2 The factory setting	s are shown in Bold	 with an asterisk.		

Option1	Option2	Option3	Option4	Descriptions	Page
Color Enhance (Does not appear when Enhance Photos is chosen.)	On Off*	White Balance	$\begin{array}{c} - & + \\ \bullet & -2 \\ \bullet & -2 \\ \bullet & -2 \\ \bullet & -2 \\ \bullet & \bullet \\ \bullet &$	Adjusts the hue of the white areas.	109
		Sharpness	$\begin{array}{c} - & + \\ \bullet & -2 \\ \bullet & -1 \\ \bullet & \bullet \\ \bullet & \bullet$	Enhances the detail of the image.	
		Color Density	$\begin{array}{c} - & + \\ -2 & -2 \\ -2 & -2 \\ -1 & -1 \\ -$	Adjusts the total amount of colour in the image.	
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.	111
Borderless	On* Off	-	—	Expands the printable area to fit the edges of the paper.	111
Date Print (Does not appear when DPOF Print is chosen.)	On Off*	_	-	Prints the date on your photo.	111
Set New Default	Yes No	-	—	You can save your print settings.	112
Factory Reset	Yes	—	—	You can restore all the settings to factory settings.	114



Level1	Level2	Level3	Options	Descriptions	Page
Speed Dial More	More	Set Speed Dial		You can set up dial by pressing only a few keys.	72
	Setup Groups	_	You can set up a Group numbers for Broadcasting.	75	
		Change	—	You can change Speed Dial numbers.	72
		Delete	_	You can delete a Speed Dial numbers.	75
	The factory settings	s are shown in Bold	with an asterisk.		

History (History)

Level1	Level2	Level3	Options	Descriptions	Page
History	Outgoing Call	Send a fax	—	You can choose a number	71
		Make a phone call	—	from the Outgoing Call history and then make a telephone call to it, send a	
		More	Add to Speed Dial	fax to it, add it to Speed Dial, or delete it.	
			Delete		
	Caller ID hist.	Send a fax	—	You can choose a number from the Caller ID history and then make a telephone call to it, send a fax to it, add it to Speed Dial, or delete it.	71
		Make a phone call	—		
		More	Add to Speed Dial		
			Delete		
	The factory setting	s are shown in Bold	with an asterisk.		

Entering Text

When you are setting certain menu selections, you may need to enter text into the machine. Press it choose numbers, letters or special characters. Up to four letters are assigned to each button on the LCD.

By pressing the correct button repeatedly, you can access the character you want.



Inserting spaces

To enter a space, press 🜆 to choose special characters, then press the space button ____ or ____.



The characters available may differ depending on your country.

Making corrections

If you entered an incorrect letter and want to change it, use the arrow buttons to move the cursor under the incorrect character. Then press (a). Re-enter the correct character. You can also insert letters by moving the cursor and entering a character.

Repeating letters

If you need to enter a letter that is on the same button as the letter before it, press ► to move the cursor to the right before you press the same button again.

D

Specifications

General

Printer Type	Inkjet	
Print Method	Mono:	Piezo with 94×1 nozzle
	Colour:	Piezo with 94×3 nozzles
Memory Capacity	48 MB	
LCD (liquid crystal display)	Touchscreen 4.2 in.	. (106.7 mm) Colour LCD
	Touchscreen active	area: 4.0 in. (100.3 mm)
Power Source	AC 220 to 240V 50/	60Hz
Power Consumption	(MFC-790CW)	
	Off Mode:	Average 0.8 W
	Sleep Mode:	Average 5 W
	Standby:	Average 6.5 W
	Operating:	Average 28 W
	(MFC-990CW)	
	Off Mode:	Average 0.9 W
	Sleep Mode:	Average 8 W
	Standby:	Average 8.5 W
	Operating:	Average 30 W

375 mm 180 mm 390 mm 370 mm 460 mm 460 mm (MFC-990CW) 375 mm 180 mm 390 mm 370 mm 468 mm 460 mm Weight (MFC-790CW) 8.5 kg (MFC-990CW) 8.6 kg Noise Operating: 50 dB or less ¹ 10 - 35° C Temperature **Operating:** Best Print Quality: 20 - 33° C Humidity Operating: 20 - 80% (without condensation) Best Print Quality: 20 - 80% (without condensation) ADF (automatic document Recommended environment for best results: feeder) Up to 15 pages Temperature: 20° C - 30° C Humidity: 50% - 70% Paper: 80 gsm A4 or Letter size **Paper Tray** 100 Sheets 80 gsm

(MFC-790CW)

¹ This depends on printing conditions.

Dimension

D

Print media

Paper Input

Paper Tray

Paper type:

Plain paper, inkjet paper (coated paper), glossy photo paper ², transparencies ^{1 2} and envelopes

Paper size:

Letter, Legal, Executive, A4, A5, A6, JIS B5, envelopes (commercial No.10, DL, C5, Monarch, JE4), Photo 2L, Index card and Postcard ³

Width: 89 mm - 215.9 mm

Length: 127 mm - 355.6 mm

For more details, see *Paper weight, thickness and capacity* on page 20.

Maximum paper tray capacity:

Approx. 100 sheets of 80 gsm plain paper

Photo Paper Tray

Paper type:

Plain paper, inkjet paper (coated paper) and glossy paper²

Paper size:

Photo 10×15 cm and Photo L

Width: 89 mm - 101.6 mm

Height: 127 mm - 152.4 mm

Maximum paper tray capacity:

Approx. 20 sheets

Up to 50 sheets of A4 plain paper (face up print delivery to the output paper tray) 2

- ¹ Use only transparencies recommended for inkjet printing.
- ² For glossy photo paper or transparencies, we recommend removing printed pages from the output paper tray immediately after they exit the machine to avoid smudging.
- ³ See Paper type and size for each operation on page 19.

Paper Output

Fax

Compatibility	ITU-T Super Group 3
Coding System	MH/MR/MMR/JPEG
Modem Speed	Automatic Fallback
	33600 bps
Document Size	ADF Width: 148 mm to 215.9 mm
	ADF Length: 148 mm to 355.6 mm
	Scanner Glass Width: Max. 215.9 mm
	Scanner Glass Length: Max. 297 mm
Scanning Width	ADF: 208 mm (A4 paper)
	Scanner Glass: 204 mm (A4 paper)
Printing Width	204 mm
Greyscale	256 levels
Polling Types	Standard, Secure, Timer, Sequential: (Monochrome only)
Contrast Control	Automatic/Light/Dark
	(manual setting)
Resolution	Horizontal 8 dot/mm
	Vertical
	Standard
	3.85 line/mm (Mono)
	7.7 line/mm (Colour)
	Fine
	7.7 line/mm (Mono/Colour)
	Photo
	7.7 line/mm (Mono)
	Superfine
	15.4 line/mm (Mono)
Speed Dial	100 stations \times 2 numbers
Groups	Up to 6

Broadcasting ¹	250 stations
Automatic Redial	3 times at 5 minute intervals
Ring Delay	2, 3, 4, 5, 6, 7, 8, 9 or 10 rings (for Australia)
	1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 rings (for New Zealand)
	0, 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 rings (for some countries)
Communication Source	Public switched telephone network.
Memory Transmission	Up to 480 ² /400 ³ pages
Out of Paper Reception	Up to 480 ² /400 ³ pages

¹ Monochrome only

² 'Pages' refers to the 'Brother Standard Chart No. 1' (a typical business letter, Standard resolution, MMR code). Specifications and printed materials are subject to change without prior notice.

³ 'Pages' refers to the 'ITU-T Test Chart #1' (a typical business letter, Standard resolution, MMR code). Specifications and printed materials are subject to change without prior notice.

Digital TAD

TAD	Yes
ICM Recording Time	Max. 29 minutes / Max. 99 messages (Max.180 secs / 1 message)
Toll Saver	Yes
Recording Conversation	Yes (MFC-790CW only)
OGM	Yes
OGM Recording Time	20 secs

D

Digital Cordless Handset (MFC-990CW only)

Cordless handset (BCL-D70)

Frequency Standard **Multi Handset Capability** Dimensions

1.9 GHz DECT™

Up to 4 handsets





Weight (including battery) 149 g LCD (liquid crystal display) 16-Digit, 3-Line (+1-Line for Pict), Backlit (Orange) Yes (LED)

Full Charge Time 12 hours While in Use (TALK) 10 hours While Not in Use (Standby) 200 hours

Battery

Charge Indicator

Туре BCL-BT20 Rating Ni-MH 3.6 V 730 mAh

Сору

Colour/Monochrome	Yes/Yes
Document Size	ADF Width: 148 mm to 215.9 mm
	ADF Length: 148 mm to 355.6 mm
	Scanner Glass Width: Max. 215.9 mm
	Scanner Glass Length: Max. 297 mm
	Copy Width: Max. 210 mm
Multiple Copies	Stacks/Sorts up to 99 pages
Enlarge/Reduce	25% to 400% (in increments of 1%)
Copy Speed	Monochrome: Up to 22 pages/minute (A4 paper) ¹ Colour: Up to 20 pages/minute (A4 paper) ¹
Resolution	(Monochrome)
	Scans up to 1200×1200 dpi
	Prints up to 1200×1200 dpi
	(Colour)
	Scans up to 600×1200 dpi
	Prints up to 600×1200 dpi

¹ Based on Brother standard pattern (Fast mode/Stack Copy). Copy speeds vary with the complexity of the document.

PhotoCapture Center™

Compatible Media ¹	CompactFlash [®] (Type I only) (Microdrive™ is not compatible) (Compact I/O cards such as Compact LAN card and Compact Modem card are not supported.)	
	Memory Stick [®] Memory Stick Pro™ Memory Stick Duo™ with adapter Memory Stick Micro (M2) with adapter SD ²	
	SDHC ³ microSD with adapter miniSD [™] with adapter	
	xD-Picture Card ^{™ 4} USB Flash memory drive ⁵	
Resolution File Extension	Up to 1200 × 2400 dpi	
(Media Format) (Image Format)	DPOF, EXIF, DCF Photo Print: JPEG ⁶ Scan to Media: JPEG, PDF (Colour)	
	TIFF, PDF (Black)	
Number of Files	Up to 999 files (The folder inside memory cards or USB Flash memory drive is also counted)	
Folder	File must be stored in the 4th folder level of the memory card or USB Flash memory drive.	
Borderless	Letter, A4, Photo (10×15 cm), Photo 2L (13×18 cm) 7	
¹ Memory cards, adapters and USB Flash memory drive are not included.		

- ¹ Memory cards, adapters and USB Flash memory drive are not included.
- ² 16MB to 2GB
- ³ 4GB to 8GB
- ⁴ xD-Picture Card[™] Conventional Card from 16MB to 512MB xD-Picture Card[™] Type M from 256MB to 2GB xD-Picture Card[™] Type M⁺ 1GB and 2GB xD-Picture Card[™] Type H from 256MB to 2GB
- ⁵ USB 2.0 Standard USB Mass Storage standard from 16 MB to 8 GB Support format: FAT12/FAT16/FAT32
- ⁶ Progressive JPEG format is not supported.
- ⁷ See Paper type and size for each operation on page 19.
PictBridge

Compatibility

Interface

Supports the Camera & Imaging Products Association PictBridge standard CIPA DC-001. VIsit <u>http://www.cipa.jp/pictbridge</u> for more information. USB direct interface

D

Bluetooth[®] wireless technology (MFC-990CW only)

Standard	ver 2.0 + EDR
Support Profile	BIP, OPP
Frequency	2.402 - 2.48 GHz
Communication Speed	ver 2.0 + EDR : Maximum 3 Mbps
Max. Receiving File	Up to 3 MB
File Extension	JPG

(Image Format)

Bluetooth enabled devices can print from other devices, such as cameras, phones and PDAs in JPG format.

Scanner

Colour/Monochrome	Yes/Yes
TWAIN Compliant	Yes (Windows [®] 2000 Professional/XP/XP Professional x64 Edition/Windows Vista [®])
	Mac OS [®] X 10.2.4 or greater
WIA Compliant	Yes (Windows [®] XP ¹ /Windows Vista [®])
Colour Depth	36 bit colour Processing (Input)
	24 bit colour Processing (Output)
	(Actual Input: 30 bit colour/Actual Output: 24 bit colour)
Resolution	Up to 19200 $ imes$ 19200 dpi (interpolated) ²
	Up to 1200 $ imes$ 2400 dpi (optical) (Scanner Glass)
	Up to 1200×600 dpi (optical) (ADF)
Scanning Speed	Monochrome: up to 3.44 sec.
	Colour: up to 4.83 sec.
	(A4 size at 100 $ imes$ 100 dpi)
Document Size	ADF Width: 148 mm to 215.9 mm
	ADF Length: 148 mm to 355.6 mm
	Scanner Glass Width: Max. 215.9 mm
	Scanner Glass Length: Max. 297 mm
Scanning Width	Up to 210 mm
Greyscale	256 levels

¹ Windows[®] XP in this User's Guide includes Windows[®] XP Home Edition, Windows[®] XP Professional, and Windows[®] XP Professional x64 Edition.

² Maximum 1200×1200 dpi scanning when using the WIA Driver for Windows[®] XP and Windows Vista[®] (resolution up to 19200×19200 dpi can be selected by using the Brother scanner utility)

Printer

Printer Driver	Windows [®] 2000 Professional/XP/XP Professional x64 Edition/Windows Vista [®] driver supporting Brother Native Compression mode
	Mac $OS^{\mathbb{8}}$ X 10.2.4 or greater: Brother Ink Driver
Resolution	Up to 1200 × 6000 dpi
	1200 × 2400 dpi
	1200 × 1200 dpi
	600 × 1200 dpi
	600 × 600 dpi
	600 × 300 dpi
	600 × 150 dpi (Colour)
	450 × 150 dpi (Mono)
Print Speed	Up to 33 pages/minute (Mono) ¹
	Up to 27 pages/minute (Colour) ¹
Printing Width	204 mm (210 mm) ^{2 4}
Borderless	Letter, A4, A6, Photo (10×15 cm), Index Card,
	Photo L (89×127 mm), Photo 2L (13×18 cm), Postcard ³

¹ Based on Brother standard pattern. A4 size in draft mode.

- ² When you set the Borderless feature to On.
- ³ See Paper type and size for each operation on page 19.
- ⁴ When printing on A4 size paper.

Interfaces

USB

LAN cable ³ Wireless LAN A USB 2.0 interface cable that is no longer than 2.0 m.¹² Ethernet UTP cable category 5 or greater.

Your machine supports IEEE 802.11b/g wireless communication with your wireless LAN using Infrastructure mode or a wireless Peer-to-Peer connection in Ad-hoc Mode.

- Your machine has a Hi-speed USB 2.0 interface. The machine can also be connected to a computer that has a USB 1.1 interface.
- ² Third party USB ports are not supported for $Macintosh^{\ensuremath{\mathbb{R}}}$.
- ³ See the *Network User's Guide* for detailed network specifications.

Computer requirements

SUPPORTED OPERATING SYSTEMS AND SOFTWARE FUNCTIONS								
Comput	Computer Platform		PC	Processor	Minimum	Recommended	Hard Disk Space to install	
& Opera System	ting Version	PC Software Functions	Interface	Minimum Speed	RAM	RAM	For Drivers	For Applications
Windows [®] Operating	2000 Professional ⁵	Printing, PC Fax ⁴ ,	USB, 10/100	10/100 Pentium [®] II	64 MB	256 MB	110 MB	340 MB
System ¹	XP Home ²⁵ XP Professional ²⁵	Scanning, Removable Disk	BaseTx (Ethernet), Wireless 802.11b/g	or equivalent	128 MB		110 MB	340 MB
	XP Professional x64 Edition ²			64-bit (Intel [®] 64 or AMD64) supported CPU	256 MB	512 MB	110 MB	340 MB
	Windows Vista ^{® 2}			Intel [®] Pentium [®] 4 or equivalent	512 MB	1 GB	600 MB	530 MB
				64-bit (Intel [®] 64 or AMD64) supported CPU				
Macintosh [®] Operating	Mac OS [®] X 10.2.4 -	Printing, PC Fax	USB ³ , 10/100	PowerPC G4/G5	128 MB	256 MB	80 MB	400 MB
System ⁶		PowerPC G3 350MHz						
	Mac OS [®] XRemovableWireless10.4.4 or00		PowerPC G4/G5	512 MB	1 GB			
	greater			Intel [®] Core™ Processor				

Conditions:

1 2	Microsoft [®] Internet Explorer 5.5 or greater. For WIA, 1200 x 1200 resolution. Brother Scanner Utility enables to enhance up to 19200 x 19200 dpi.	For the latest driver updates, visit http://solutions.brother.com All trademarks, brand and product names are
3	Third party USB ports are not supported.	property of their respective companies.
4	PC Fax supports black and white only.	
5	PaperPort [™] 11SE supports Microsoft [®] SP4 or	
	higher for Windows $^{ m I\!R}$ 2000 and SP2 or higher for	
	XP.	
6	Presto! [®] PageManager [®] on the CD-ROM	
	supports Mac OS [®] X 10.3.9 or higher. For Mac	
	OS [®] X 10.2.4-10.3.8 Presto! [®] PageManager [®]	
	is available as a download from the Brother	
	Solutions Center.	

D

Consumable items

Ink	The machine uses individual Black, Yellow, Cyan and Magenta ink cartridges that are separate from the print head assembly.
Service Life of Ink Cartridge	The first time you install a set of ink cartridges the machine will use an amount of ink to fill the ink delivery tubes for high quality printouts. This process will only happen once. With all following ink cartridges you can print the specified number of pages.
	The cartridges provided with your machine have a lower yield than standard cartridges (65%).
Replacement Consumables	<black> LC67BK, <cyan> LC67C, <magenta>LC67M, <yellow> LC67Y</yellow></magenta></cyan></black>
	Black - Approximately 450 pages ¹
	Yellow, Cyan and Magenta - Approximately 325 pages ¹
	¹ Approx. cartridge yield is declared in accordance with ISO/IEC 24711.
	For more information about the replacement consumables, visit us at http://www.brother.com/pageyield .

What is Innobella™?

Innobella[™] is a range of genuine consumables offered by Brother. The name "Innobella[™]" derives from the words "Innovation" and "Bella" (meaning "Beautiful" in Italian) and is a representation of the "innovative" technology providing you with "beautiful" and "long lasting" print results.

When you print photo images, Brother recommends Innobella[™] glossy photo paper (BP71 series) for high quality. Brilliant prints are made easier with Innobella[™] Ink and paper.



Network (LAN)

LAN	Network Scanning, PC	machine to a network for Network Printing, Fax Send, PC Fax Receive (Windows [®] only) Iso included is Brother BRAdmin Light ² software.	
Support for	Windows [®] 2000 Professional/XP/XP Professional x64 Edition/Windows Vista [®]		
	Mac OS [®] X 10.2.4 or g	reater	
	Ethernet 10/100 BASE	-TX Auto Negotiation (Wired LAN)	
	IEEE 802.11 b/g (Wirel	ess LAN)	
Protocols	TCP/IP:	ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), NetBIOS/WINS, LPR/LPD, Custom Raw Port/Port9100, DNS Resolver, mDNS, FTP Server, TELNET, SNMPv1, TFTP, Scanner Port, LLTD responder, Web Services	
Network Security	SSID/ESSID, 128 (104 (TKIP/AES)) / 64 (40) bit WEP, WPA/WPA2-PSK	
Setup Support Utility	SecureEasySetup™	Yes (simple setup with your SecureEasySetup [™] -capable access point/router)	
	AOSS™	Yes (simple setup with your AOSS [™] -capable access point/router)	
	WPS	Yes (simple setup with your Wi-Fi Protected Setup [™] -capable access point/router)	

¹ See the Computer Requirements chart on page 210.

² If you require more advanced printer management, use the latest Brother BRAdmin Professional utility version that is available as a download from <u>http://solutions.brother.com</u>.

Wireless one-push configuration

If your wireless access point supports either SecureEasySetup[™], Wi-Fi Protected Setup[™] (PBC ¹) or AOSS[™], you can configure the machine easily without a computer. By pushing a button on the wireless LAN router / access point and the machine, you can set up the wireless network and security settings. See the users guide for your wireless LAN router / access point for instructions on how to access one-push mode.

¹ Push Button Configuration

🖉 Note

Routers or access points that support SecureEasySetup[™], Wi-Fi Protected Setup[™] or AOSS[™] have the symbols shown below.



Glossary

This is a comprehensive list of features and terms that appear in Brother manuals. Availability of these features depends on the model you purchased.

ADF (automatic document feeder)

The document can be placed in the ADF and scanned one page at a time automatically.

Auto Reduction

Reduces the size of incoming faxes.

Automatic fax transmission

Sending a fax without picking up the handset of an external telephone.

Automatic Redial

A feature that enables your machine to redial the last fax number after five minutes if the fax did not go through because the line was busy.

Backup Print

Your machine prints a copy of every fax that is received and stored in memory. This is a safety feature so you will not lose messages during a power failure.

Batch Transmission

(Black and white faxes only) As a cost saving feature, all delayed faxes to the same fax number can be sent as one transmission.

Beeper Volume

Volume setting for the beep when you press a key or make an error.

Brightness

Changing the Brightness makes the whole image lighter or darker.

Broadcasting

The ability to send the same fax message to more than one location.

Caller ID

A service purchased from the telephone company that lets you see the number (or name) of the party calling you.

CNG tones

The special tones (beeps) sent by fax machines during automatic transmission to tell the receiving machine that a fax machine is calling.

Coding method

Method of coding the information contained in the document. All fax machines must use a minimum standard of Modified Huffman (MH). Your machine is capable of greater compression methods, Modified Read (MR), Modified Modified Read (MMR) and JPEG, if the receiving machine has the same capability.

Communication error (Comm. Error)

An error during fax sending or receiving, usually caused by line noise or static.

Compatibility group

The ability of one fax unit to communicate with another. Compatibility is assured between ITU-T Groups.

Contrast

Setting to compensate for dark or light documents, by making faxes or copies of dark documents lighter and light documents darker.

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 time later.

Dual Access

Your machine can scan outgoing faxes or scheduled jobs into memory at the same time it is sending a fax from memory or receiving or printing an incoming fax.

ECM (Error Correction Mode)

Detects errors during fax transmission and resends the pages of the fax that had an error.

Extension telephone

A telephone using the same line as your fax but plugged into a separate wall socket.

External telephone

A TAD (telephone answering device) or telephone that is connected to your machine.

F/T Ring Time

The length of time that the Brother machine rings (when the Receive Mode setting is Fax/Tel) to notify you to pick up a voice call that it answered.

FaxAbility

A subscriber service purchased from the telephone company that provides another phone number on an existing phone line. The Brother fax machine uses the new number to simulate a dedicated fax line.

Fax Detect

Enables your machine to respond to CNG tones if you interrupt a fax call by answering it.

Fax Forwarding

Sends a fax received into the memory to another pre-programmed fax number.

Fax Journal

Lists information about the last 200 incoming and outgoing faxes. TX means Transmit. RX means Receive.

Fax Storage

You can store received faxes in memory.

Fax tones

The signals sent by sending and receiving fax machines while communicating information.

Fax/Tel

You can receive faxes and telephone calls. Do not use this mode if you are using a telephone answering device (TAD).

Fine resolution

Resolution is 203×196 dpi. It is used for small print and graphs.

Greyscale

The shades of grey available for copying, scanning and faxing photographs.

Group number

A combination of Speed Dial numbers that are stored in a Speed Dial location for Broadcasting.

Help list

A printout of the complete Menu table that you can use to program your machine when you do not have the User's Guide with you.

Innobella™

Innobella[™] is a range of genuine consumables offered by Brother. For best quality results Brother recommends Innobella[™] Ink and Paper.

Journal Period

The pre-programmed time period between automatically printed Fax Journal Reports. You can print the Fax Journal on demand without interrupting the cycle.

LCD (liquid crystal display)

The display screen on the machine that shows interactive messages during On-Screen Programming and shows the date and time when the machine is idle.

Manual fax

On some models you can dial a fax number and listen to the receiving fax machine answer your call before you press **Mono Start** or **Colour Start** to begin sending the fax.

Menu mode

Programming mode for changing your machine's settings.

OCR (optical character recognition)

The bundled ScanSoft[™] PaperPort[™] 11SE with OCR or Presto![®]

PageManager[®] software application converts an image of text to text you can edit.

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 telephone lines.

Pause

Allows you to place a 3.5 second delay in the dialling sequence while you are dialling using the dial pad or while you are storing Speed Dial numbers. Press **Pause** or **Redial/Pause** key on the control panel or the Pause button on the LCD as many times as needed for longer pauses.

PhotoCapture Center™

Allows you to print digital photos from your digital camera at high resolution for photo quality printing.

Photo resolution (Mono only)

A resolution setting that uses varying shades of grey for the best representation of photographs.

PictBridge

Allows you to print photos directly from your digital camera at high resolution for photo quality printing.

Polling

The process of a fax machine calling another fax machine to retrieve waiting fax messages.

Pulse (Not available in New Zealand)

A form of rotary dialling on a telephone line.

Quick Dial List

A listing of names and numbers stored in 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 4-digit code (---*) that allows you to call and access your machine from a remote location.

Remote Activation Code

Press this code (* **5 1** (* **9 1** for New Zealand)) when you answer a fax call on an extension or external telephone.

Remote Deactivation Code (For Fax/Tel mode only)

When the machine answers a voice call, it pseudo/double-rings. You can pick up at an extension telephone by pressing this code (**# 5 1** (**# 9 1** for New Zealand)).

Remote Retrieval Access

The ability to access your machine remotely from a touch tone telephone.

Resolution

The number of vertical and horizontal lines per inch. See: Standard, Fine, Super Fine and Photo.

Ring Delay

The number of rings before the machine answers in Fax <code>Only</code> and <code>Fax/Tel</code> modes.

Ring Volume

Volume setting for the machine's ring.

Scanning

The process of sending an electronic image of a paper document into your computer.

Scan to Media

You can scan a monochrome or colour document into a memory card or USB Flash memory drive. Monochrome images will be in TIFF or PDF file format and colour images may be in PDF or JPEG file format.

Search

An electronic, numerical or alphabetical listing of stored Speed Dial and Group numbers.

Speed Dial

A pre-programmed number for easy dialling. You must press Speed Dial, the two digit code, and **Mono Start** or **Colour Start** to start the dialling process.

Standard resolution

 203×97 dpi. It is used for regular size text and quickest transmission.

Station ID

The stored information that appears on the top of faxed pages. It includes the sender's name and fax number.

Super Fine resolution (Mono only)

 392×203 dpi. Best for very small print and line art.

TAD (telephone answering device)

You can connect an external TAD to your machine.

Temporary settings

You can choose certain options for each fax transmission and copy without changing the default settings.

Tone (Not available in New Zealand)

A form of dialling on the telephone line used for Touch Tone telephones.

Transmission

The process of sending faxes over the phone lines from your machine to the receiving fax machine.

Transmission Verification Report

A listing for each fax sent, that shows its date, time and number.

User Settings

A printed report that shows the current settings of the machine.

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For Australia Only:

Support – For technical support of your Brother Product other than what you can resolve through the User's Guide, please visit our Web Site or Solutions Web Site (see below) to find an answer to FAQs/Troubleshooting, locating Drivers & Software.

Alternatively, please contact the Product Support Centre for any customer care/technical support enquiry.

To contact Brother International (Aust) Pty Ltd for support on a Brother product please see the details listed below:

Product Support Centre: Australia		
Brother International (Aust) Pty Ltd		
Phone:	02 8875 6000	
Fax:	02 9870 7223	
Solutions Site:	http://solutions.brother.com/	
Web Site:	www.brother.com.au	
Email:	To submit an e-mail enquiry, visit <u>www.brother.com.au</u> go to Service and Support area and follow the prompts.	

Our Technical Support Consultants are available 5 days a week by phone during the hours of 8.30am to 5.00pm (EST/EDST) Monday to Friday.



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.