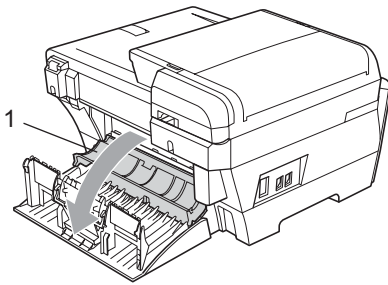
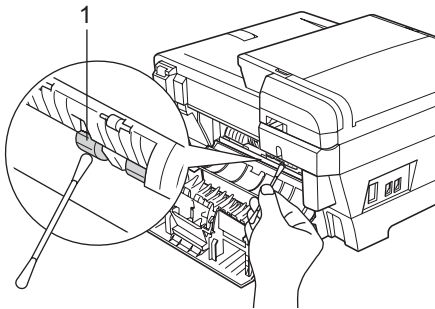


Cleaning the paper pick-up roller

- 1 Pull the paper tray completely out of the machine.
- 2 Unplug the machine from the AC power outlet and open the Jam Clear Cover (1) at the back of the machine.



- 3 Clean the Paper Pick-up Roller (1) with isopropyl alcohol on a cotton swab.



- 4 Close the Jam Clear Cover. Make sure the cover is closed properly.
- 5 Put the paper tray firmly back in the machine.
- 6 Re-connect the power cord.

Cleaning the print head


To maintain good 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 in the text or graphics on your printed pages. You can clean Black only, three colors at a time (Cyan/Yellow/Magenta), or all four colors at once.

Cleaning the print head consumes ink. Cleaning too often uses ink unnecessarily.

! CAUTION

DO NOT touch the print head. Touching the print head may cause permanent damage and may void the print head's warranty.

- 1 Press .
- 2 Press **Cleaning**. Press **OK**.
- 3 Press and choose **Black**, **Color** or **All**.
The machine cleans the print head. When cleaning is finished, the machine will go back to standby mode automatically.

Note

If you clean the print head at least five times and the print has not improved, try installing a new Genuine Brother Brand replacement cartridge for each problem color. Try cleaning the print head again up to five more times. If the print has not improved call Brother Customer Service call Brother Customer Service. (See *Brother numbers* on page i)

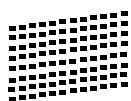
Checking the print quality

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

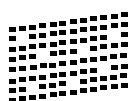
- 1 Press .

- 2 Press **Test Print**.
- 3 Press and choose **Print Quality**.
- 4 Press **Color Start**.
The machine begins printing the **Print Quality Check Sheet**.
- 5 Check the quality of the four color 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 10.
 - If you can see missing short lines as shown below, press **No** to choose **No**.

OK



Poor



- 7 The LCD asks you if the print quality is OK for black and three colors.
Press **Yes** or **No**.
- 8 The LCD asks you if you want to start cleaning.
Press **Color Start**.
The machine starts cleaning the print head.
- 9 After cleaning is finished, press **Color Start**.
The machine starts printing the **Print Quality Check Sheet** again and then return to step 5.
- 10 Press **Stop/Exit**.
If you repeat this procedure at least five times and the print quality is still poor, replace the ink cartridge for the clogged color.

After replacing the ink cartridge, check the print quality. If the problem still exists, repeat the cleaning and test print procedures at least five times for the new ink cartridge. If ink is still missing, call Brother Customer Service. (See *Brother numbers* on page i)

! CAUTION

DO NOT touch the print head. Touching the print head may cause permanent damage and may void the print head's warranty.

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, or if your printed text becomes blurred or images become faded.

- 1 Press .
- 2 Press **Test Print**.
- 3 Press and choose **Alignment**.
- 4 Press **Black Start** or **Color Start**.
The machine starts printing the Alignment Check Sheet.
- 5 Check the 600 dpi and 1200 dpi test prints to see if number 5 most closely matches number 0.
- 6 Do one of the following:
 - If the number 5 samples of both the 600 dpi and 1200 dpi test prints are the best matches, press **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.
- 7 For 600 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 8 For 1200 dpi, press the number of the test print that most closely matches the number 0 sample (1-8).
- 9 Press **Stop/Exit**.

Checking the ink volume

Although an ink volume icon appears on the LCD, you can use the ink menu to see a large graph showing the ink that is left in each cartridge.

- 1 Press .
- 2 Press and choose **Ink Volume**.
The LCD shows the ink volume.
- 3 Press **Stop/Exit**.



Note

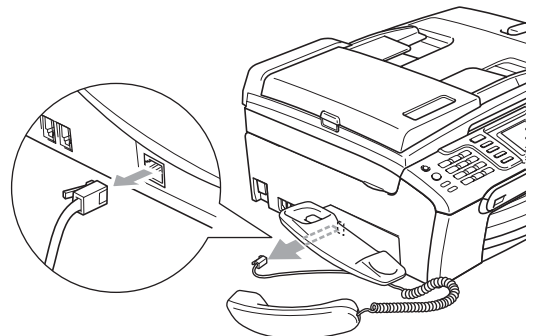
You can check the ink volume from your computer. (See *Printing for Windows*[®] or *Printing and Faxing for Macintosh*[®] in the Software User's Guide on the CD-ROM.)

Uninstalling and installing the handset and handset cradle (MFC-790CW only)

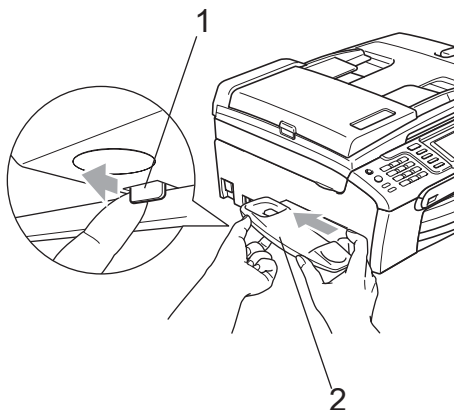
If you do not use the handset you can remove the handset and handset cradle.

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.

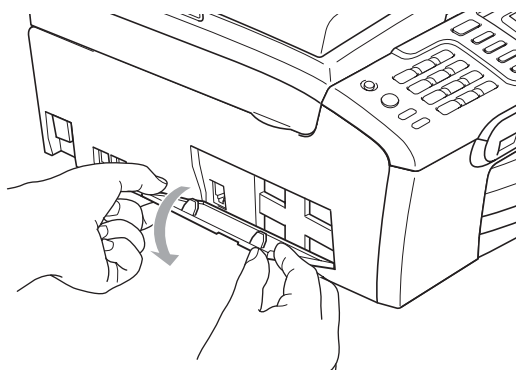


- 3 Attach the side cover.



Installing the handset and handset cradle

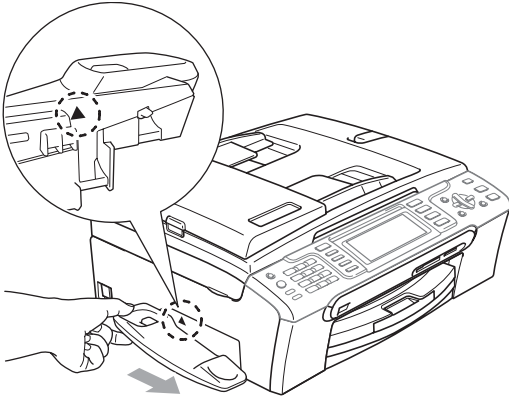
- 1 Remove the side cover.



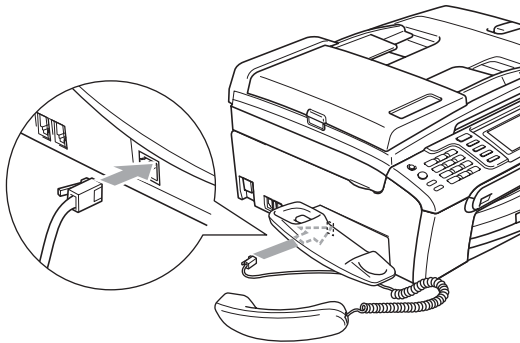
Note

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.



- 3 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.

- 1 Press **MENU**.
- 2 Press **Machine Info..**
Press **OK**.
- 3 Press and choose **Serial No..**
- 4 Press **Stop/Exit**.

B

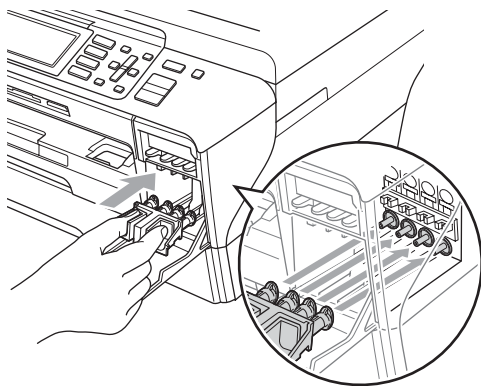
Packing and shipping the machine

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

! CAUTION

It is important to allow the machine to 'park' the print head after a print job. Listen carefully to the machine before unplugging it to make sure that all mechanical noise has stopped. Not allowing the machine to finish this parking process may lead to print problems and possible damage to the print head.

- 1 Open the ink cartridge cover.
- 2 Press the ink release lever to release the ink cartridge and take out the ink cartridges. (See *Replacing the ink cartridges* on page 156.)
- 3 Install the -green protective part and then close the ink cartridge cover.

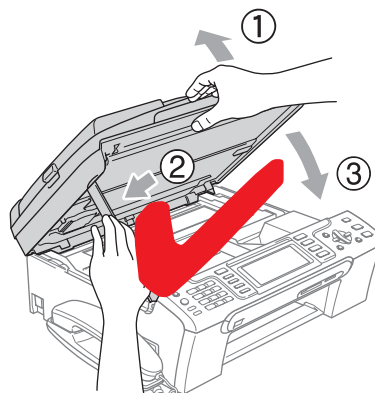


! CAUTION

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.

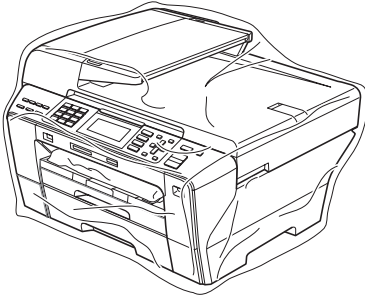
- 4 Unplug the machine from the telephone wall jack and take the telephone line cord out of the machine.
- 5 Unplug the machine from the AC power outlet.
- 6 Using both hands, use the plastic tabs on both sides of the machine to lift the scanner cover until it locks securely into the open position. Then unplug the interface cable from the machine, if it is connected.
- 7 Lift the scanner cover (1) to release the lock. Gently push the scanner cover support down (2) and close the scanner cover (3).



! WARNING

Be careful not to trap your fingers under the scanner cover.

- 8 Wrap the machine in the bag and put it in the original carton with the original packing material.

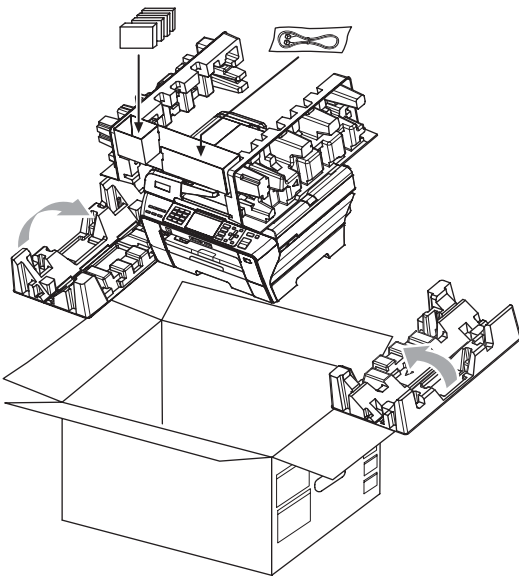


- 9 Pack the printed materials in the original carton as shown in the illustration. Do not pack the used ink cartridges in the carton.



Note

If you are returning your machine to Brother as part of the Exchange Service, pack *only* the machine. Keep all separate parts and printed materials to use with your 'Exchange' machine.



- 10 Close the carton and tape it shut.

On-screen programming

Your machine is designed to be easy to operate with LCD on-screen programming using the menu keys. User-friendly programming helps you take full advantage of all the menu selections your machine has to offer.

Since your programming is done on the LCD, we have created step-by-step on-screen instructions to help you program your machine. All you need to do is follow the instructions as they guide you through the menu selections and programming options.

Menu table

You can program your machine by using the Menu table that begins on page 169. These pages list the menu selections and options.

Memory storage







Even if there is a power failure, you will not lose the settings you have chosen using the Menu key because they are stored permanently. Also, you will not lose your settings in the PhotoCapture, Fax and Copy mode key menus if you have chosen *Set New Default*. You may have to reset the date and time.



Note

During a power failure the machine will retain messages that are in the memory for approximately 24 hours.


Mode and menu keys

	Access the main menu.
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Fax</p>  </div> <div style="text-align: center;"> <p>Scan</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Copy</p>  </div> <div style="text-align: center;"> <p>Photo Capture</p>  </div> </div>	Access the mode and its menu of temporary settings.
 <p>Stop/Exit</p>	<ul style="list-style-type: none"> ■ Stop the current operation.

Menu table

The menu table will help you understand the menu selections and options that are found in the machine's programs. The factory settings are shown in Bold with an asterisk.

Menu ()


Level1	Level2	Level3	Options	Descriptions	Page
General Setup	Mode Timer	—	Off 0Sec 30Secs 1Min 2Mins* 5Mins	Sets the time to return to Fax mode.	25
	Paper Type	—	Plain Paper* Inkjet Paper Brother BP71 Other Glossy Transparency	Sets the type of paper in the paper tray.	26
	Paper Size	—	Letter* Legal A4 A5 4"x6"	Sets the size of the paper in the paper tray.	26
	Volume	Ring	Off Low Med* High	Adjusts the ring volume.	26
 The factory settings are shown in Bold with an asterisk.					

Level1	Level2	Level3	Options	Descriptions	Page
General Setup (Continued)		Beeper	Off Low* Med High	Adjusts the volume level of the beeper.	26
		Speaker	Off Low Med* High	Adjusts the volume level of the speaker.	26
		Handset (MFC-790CW only)	Low* High	Adjusts the handset volume.	27
	Volume (Continued)	Volume Amplify (MFC-790CW only)	On (Permanent/ Temporary) Off*	For the hearing-impaired, you can set the volume to the Volume Amplify : On setting on a permanent or temporary basis.	27
	Auto Daylight	—	On Off*	Change this setting to On if you want the machine to change automatically for Daylight Savings Time.	28
General Setup (Continued)	PwrOff Setting	—	Fax Receive:On* Fax Receive:Off	Customizes the On/Off key to receive faxes even in off mode.	24
	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 10Secs 20Secs 30Secs*	You can set how long the LCD backlight stays on after the last key press.	29
	Sleep Mode	—	1Min 2Mins 3Mins 5Mins 10Mins* 30Mins 60Mins	You can choose how long the machine must be idle before it goes into sleep mode.	29



The factory settings are shown in Bold with an asterisk.

C

Level1	Level2	Level3	Options	Descriptions	Page
	Echo Control (MFC-990CW only)	—	level1* level2 level3	Adjusts the Echo Control level.	See <i>Digital Cordless Handset BCL-D10 User's Guide</i>
Fax	Setup Receive	Ring Delay	Ring Delay 0 1 2 3 4*	Sets the number of rings before the machine answers in Fax Only or Fax/Tel mode.	46
			Toll Saver On Off*		
Fax (Continued)	Setup Receive (Continued)	F/T Ring Time	20Secs* 30Secs 40Secs 70Secs	Sets the pseudo/double-ring time in Fax/Tel mode.	46
		Easy Receive	On* Semi Off	Receives fax messages without pressing the Black Start or Color Start key.	47
		Remote Codes	On* (*51, #51) Off	Allows you to answer all calls at an extension or external telephone and use codes to turn the machine on or off. You can personalize these codes.	69
		Memory Receive	Off* Fax Forward Paging Fax Storage PC Fax Receive	You can set the machine to either forward fax messages, call your pager, store incoming faxes in the memory (so you can retrieve them while you are away from your machine), or send faxes to your PC. If you choose Fax Forward or PC Fax Receive, you can turn on the safety feature Backup Print.	48
 The factory settings are shown in Bold with an asterisk.					


Level1	Level2	Level3	Options	Descriptions	Page
		Fax Preview	On* Off	preview.	51
		Auto Reducti on	On* Off	Reduces the size of incoming faxes.	53
Fax (Continued)	Report Sett ing	Transmission	On On+Image Off* Off+Image	Initial setup for Transmission Verification Report and Fax Journal Report.	83
		Journal Peri od	Off Every 50 Faxe s* Every 6 Hours Every 12 Hour s Every 24 Hour s Every 2 Days Every 7 Days		83
	Remote Access	—	---*	Set your own code for Remote Retrieval.	54
	Remaining Job s	—	—	Check which jobs are in the memory and lets you cancel chosen jobs.	40
	Setup Msg Ctr	OGM	Msg Ctr OGM F/T OGM	Play/Record or erase the outgoing message.	78
		ICM Max.Time	30Sec* 60Sec 120Sec 180Sec	Choose the maximum length of incoming messages.	81
		ICM Rec.Monitr	On* Off	Allows you to turn the speaker volume for voice messages as they come in On or Off.	82
	Miscellaneous	Mem Security	Set Password Set Security	Prohibits most functions except receiving faxes into memory.	32
	Miscellaneous (Continued)	Compatibilit y	High* Normal Basic(for VoI P)	Adjusts the modem speed to help resolve transmission problems.	146



The factory settings are shown in Bold with an asterisk.




Level1	Level2	Level3	Options	Descriptions	Page
		Distinctive	Off* Set (On)	Uses the Telephone company's Distinctive Ring subscriber service to register the ring pattern with the machine.	62
		Area Code (USA only)		View or print a list of the last 30 Caller IDs stored in the memory. Set up your 3-digit area code only if you do not dial it within your own area code.	64

Network menu  The factory settings are shown in Bold with an asterisk.

Level1	Level2	Level3	Level4	Options	Descriptions
Network	Wired LAN	TCP/IP	BOOT Method	Auto* Static RARP BOOTP DHCP	Chooses the BOOT method that best suits your needs.
			IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.
			Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.

See *Network User's Guide on the CD-ROM*

 The factory settings are shown in Bold with an asterisk.

Level1	Level2	Level3	Level4	Options	Descriptions	
Network (Continued)	Wired LAN (Continued)	TCP/IP (Continued)	Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.	
			Node Name	BRNXXXXXXXXXXXX	Enter the Node name.	
			WINS Config	Auto* Static	Chooses the WINS configuration mode.	
			WINS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.	
			DNS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.	
			APIPA	On* Off	Automatically allocates the IP address from the link-local address range.	
		Ethernet	Auto* 100B-FD 100B-HD 10B-FD 10B-HD	Chooses the Ethernet link mode.		
		WLAN	TCP/IP	BOOT Method	Auto* Static RARP BOOTP DHCP	Chooses the BOOT method that best suits your needs.
				IP Address	[000-255]. [000-255]. [000-255]. [000-255]	Enter the IP address.

See *Network User's Guide on the CD-ROM*



The factory settings are shown in Bold with an asterisk.


C

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	WLAN (Continued)	TCP/IP (Continued)	Subnet Mask	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Subnet mask.
			Gateway	[000-255]. [000-255]. [000-255]. [000-255]	Enter the Gateway address.
			Node Name	BRWXXXXXXXXXXXX	Enter the Node name.
			WINS Config	Auto* Static	Chooses the WINS configuration mode.
			WINS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.
			DNS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary server.
			APIPA	On* Off	Automatically allocates the IP address from the link-local address range.
		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.


See *Network User's Guide on the CD-ROM*



The factory settings are shown in Bold with an asterisk.

Level1	Level2	Level3	Level4	Options	Descriptions
Network (Continued)	WLAN (Continued)	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	—	—	—	Restores all wired and wireless network settings to the factory default.	
See <i>Network User's Guide on the CD-ROM</i>					
 The factory settings are shown in Bold with an asterisk.					


Menu () (continued)

Level1	Level2	Level3	Options	Descriptions	Page	
Bluetooth	Turn On/Off	—	On Off*		120	
	Settings	Pass Key	—		119	
		Comm. Mode	Public* Private Secure		119	
		Device Address	—		119	
		Device Name	—		119	
	Print Settings	Print Quality	Normal Photo*		Choose the print quality.	120
		Paper Type	Plain Paper Inkjet Paper Brother BP71 Other Glossy*		Choose the paper type that matches the paper in the tray.	120
	 The factory settings are shown in Bold with an asterisk.					


Level1	Level2	Level3	Options	Descriptions	Page
Bluetooth (Continued)	Print Settings (Continued)	Paper Size	4"x 6"* 5"x 7" Letter A4	Choose the paper size that matches the paper in the tray.	121
		Borderless	On* Off	Expands the printable area to fit the edges of the paper.	121
		Print Date Date Print	On Off*		121
	Factory Reset	—	Yes No		121
Print Reports	Transmission	—	—	Prints these lists and reports.	83
	Help List	—	—		
	Quick Dial	—	Alphabetical Order Numerical Order		
	Fax Journal	—	—		
	User Settings	—	—		
	Network Config	—	—		
	Display #	—	—		
Machine Info.	Serial No.	—	—	Lets you check the serial number of your machine.	165
Initial Setup	Receive Mode	—	Fax Only Fax/Tel* Manual	Choose the receive mode that best suits your needs.	43
	Date&Time	—	—	Puts the date and time on the LCD and in headings of faxes you send.	See <i>Quick Setup Guide</i>
	Station ID	—	Fax: Name:	Set your name and fax number to appear on each page you fax.	
	Tone/Pulse (Canada only)	—	Tone* Pulse	Choose the dialing mode.	
	Dial Tone	—	Detection No Detection*	You can shorten the dial tone detect pause.	146



The factory settings are shown in Bold with an asterisk.

Level1	Level2	Level3	Options	Descriptions	Page
	Register Handset (MFC-990C W only)	—	Register Terminate	Sets the machine to register the cordless handset.	See <i>Digital Cordless Handset BCL-D10 User's Guide</i>
	Local Language (US only)	—	English* Spanish	Allows you to change the LCD language for your country.	See <i>Quick Setup Guide</i>
	Local Language (Canada only)	—	English* French	Allows you to change the LCD language for your country.	See <i>Quick Setup Guide</i>
 The factory settings are shown in Bold with an asterisk.					

Fax ()


Level1	Level2	Level3	Options	Descriptions	Page
Fax Resolution	—	—	Standard* Fine S.Fine Photo	Sets the resolution for outgoing faxes.	38
Contrast	—	—	Auto* Light Dark	Changes the lightness or darkness of faxes you send.	38
Broadcast	Add Number Speed Dial	—	—	You can send the same fax message to more than one fax number.	37
Preview	—	—	On Off*	You can preview a fax message before send it.	36
Delayed Fax	—	—	On (00;00) Off*	Sets the time of day in 24-hour format that the delayed faxes will be sent.	40
Batch TX	—	—	On Off*	Combines delayed faxes to the same fax number at the same time of day into one transmission.	40
Real Time TX	—	—	On Off*	You can send a fax without using the memory.	39
 The factory settings are shown in Bold with an asterisk.					

Level1	Level2	Level3	Options	Descriptions	Page
Polled TX	—	—	On off*	Sets up your machine with an document to be retrieved by another fax machine.	86
Polling RX	—	—	On off*	Sets up your machine to poll another fax machine.	85
Overseas Mode	—	—	On off*	If you are having difficulty sending faxes overseas, set this to On.	40
Scan Size	—	—	Letter* A4	Adjust the scan area of the scanner glass to the size of the document.	35
Set New Default	—	—	Yes No	You can save your fax settings.	41
Factory Reset	—	—	Yes No	You can restore all settings to the factory settings.	41




The factory settings are shown in Bold with an asterisk.

Scan ()


Level1	Option1	Option2	Option3	Descriptions	Page
Scan to E-mail	—	—	—	You can scan a black & white or a color document into your E-mail application.	See <i>Software User's Guide on the CD-ROM</i>
Scan to Image	—	—	—	You can scan a color picture into your graphics application.	
Scan to OCR	—	—	—	You can have your text document converted to an editable text file.	
Scan to File	—	—	—	You can scan a black & white or a color document into your computer.	
Scan to Media (when a memory card or USB Flash memory drive is inserted)	Quality	—	Color 150 dpi* Color 300 dpi Color 600 dpi B/W 200x100 dpi B/W 200 dpi	You can choose the scan resolution, file format and enter a file name for your document.	111
	File Type	—	(If you chose color option in Quality setting) PDF* JPEG (If you chose B&W option in Quality setting) PDF TIFF*		
	File Name	—	—		
	Set New Default	—	—		
	Factory Reset	—	—	You can restore all settings to the original factory default settings.	112
 The factory settings are shown in Bold with an asterisk.					

Copy ()


Level1	Level2	Level3	Options	Descriptions	Page
Quality	—	—	Fast Normal* Best	Choose the Copy resolution for your type of document.	88
Enlarge/Reduce	100%	—	—	—	90
	Enlarge	—	198% 4"x6"-A4 186% 4"x6"-LTR 104% EXE-LTR	You can choose the enlargement or reduction ratio for your type of document.	90
	Reduce	—	97% LTR-A4 93% A4-LTR 83% LGL-A4 78% LGL-LTR 46% LTR-4"x6"	You can choose the enlargement or reduction ratio for your type of document.	90
	Fit to Page	—	—	Your machine will adjust the size automatically to the paper size you set.	90
	Custom(25-400%)	—	—	You can choose the enlargement or reduction ratio for your type of document.	90
Paper Type	—	—	Plain Paper* Inkjet Paper Brother BP71 Other Glossy Transparency	Choose the paper type that matches the paper in the tray.	89
Paper Size	—	—	Letter* Legal A4 A5 4"x 6"	Choose the paper size that matches the paper in the tray.	89
 The factory settings are shown in Bold with an asterisk.					


Level1	Level2	Level3	Options	Descriptions	Page
Brightness	—	—	<p>Dark Light ◀ █ ▶ -2 ▶ █ ▶ -1 ▶ █ ▶ 0 ▶ █ ▶ +1 ▶ █ ▶ +2</p>	Adjusts the brightness of copies.	92
Contrast	—	—	<p>- + ▶ █ ▶ -2 ▶ █ ▶ -1 ▶ █ ▶ 0 ▶ █ ▶ +1 ▶ █ ▶ +2</p>	Adjusts the contrast of copies.	92
Stack/Sort	—	—	Stack* Sort	You can choose to stack or sort multiple copies.	92
Page Layout	—	Off(1 in 1)* 2 in 1 (P) 2 in 1 (L) 4 in 1 (P) 4 in 1 (L) Poster(3x3)	—	You can make N in 1 or Poster copies.	91
The factory settings are shown in Bold with an asterisk.					












Level1	Level2	Level3	Options	Descriptions	Page
Book Copy	On	—	—	Corrects dark borders and skew when copying from the scanner glass.	93
	On (Preview)	Skew Adjustment	—		
		Shadow Revise	—		
Off*	—	—			
Watermark Copy	Use Watermark	—	See the watermark copy settings in the following table.	You can place a logo or text into your document as a Watermark.	93
	Edit Template				
	Use Image				
Favorite Settings	Store	—	Favorite:1 Favorite:2 Favorite:3	You can save your watermark settings.	94
	Rename				
 The factory settings are shown in Bold with an asterisk.					

Watermark Copy Settings

Option1	Option2	Option3	Option4	Descriptions	Page
Template		Text	CONFIDENTIAL* DRAFT COPY		93
		Position	A B C D E* F G H I Pattern		
		Size	Small Medium* Large		
		Angle	-90° -45°* 0° 45° 90°		
		Transparency	-2 -1 0* 1 2		
		Color	Red Orange Yellow Blue Green Purple Black*		
			Apply		
 The factory settings are shown in Bold with an asterisk.					

Option1	Option2	Option3	Option4	Descriptions	Page
Media	(Select image from media)	Position	A B C D E* F G H I Pattern		93
		Size	Small Medium* Large		
		Angle	-90° -45°* 0° 45° 90°		
		Transparency	-2 -1 0* 1 2		
		Apply			
Scan	(Set page and press start)	Transparency	-2 -1 0* 1 2		93
		Apply			
 The factory settings are shown in Bold with an asterisk.					

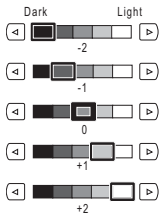
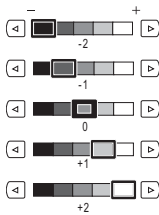

PhotoCapture ()

Level1	Level2	Level3	Options	Descriptions	Page
View Photos	 (Print All Photos)	—	See the print settings in the following table.	You can print all photos in your memory card or USB Flash memory drive.	101
	 (Slide Show)			The machine starts a Slide Show of your photos.	
Enhance Photos	Enhance	 (Auto Correct)	See the print settings in the following table.	You can adjust your photos with these settings.	103
		 (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.	103
Index Print	Index Sheet	6 Images/Line 5 Images/Line	See the print settings in the following table.	You can print a thumbnail page.	102
	Print Photos	—		You can print an individual image.	102




The factory settings are shown in Bold with an asterisk.

Print Settings


Option1	Option2	Option3	Option4	Descriptions	Page
Print Quality	Normal Photo*	—	—	Choose the print quality.	107
Paper Type	Plain Paper Inkjet Paper Brother BP71 Other Glossy*	—	—	Choose the paper type.	107
Paper Size	4"x 6"* 5"x 7" Letter A4	(When A4 or Letter is chosen) 3"x 4" 3.5"x 5" 4"x 6" 5"x 7" 6"x 8" Max. Size*	—	Choose the paper and print size.	107
Brightness (Does not appear when Enhance Photos is chosen.)	 <p>Dark Light -2 -1 0 +1 +2</p>	—	—	Adjusts the brightness.	108
Contrast (Does not appear when Enhance Photos is chosen.)	 <p>- + -2 -1 0 +1 +2</p>	—	—	Adjusts the contrast.	108
 The factory settings are shown in Bold with an asterisk.					

Option1	Option2	Option3	Option4	Descriptions	Page
True2Life (Does not appear when Enhance Photos is chosen.)	On Off*	White Balance		Adjusts the hue of the white areas.	108
		Sharpness		Enhances the detail of the image.	
		Color Density		Adjusts the total amount of color 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.	109
Borderless	On* Off	—	—	Expands the printable area to fit the edges of the paper.	110
Print Date (Does not appear when DPOF Print is chosen.)	On Off*	—	—	Prints the date on your photo.	110
Set New Default	Yes No	—	—	You can save your print settings.	110
Factory Reset	—	—	—	You can restore all the settings to factory settings.	112
The factory settings are shown in Bold with an asterisk.					

Speed Dial (Speed Dial)

Level1	Level2	Level3	Options	Descriptions	Page
More		Set Speed Dial		You can set up dial by pressing only a few keys (and Start).	73
		Setup Groups	—	You can set up a Group number Broadcasting.	75
		Change	—	You can change Speed Dial numbers.	73
		Delete	—	You can delete a Speed Dial numbers.	75
		Fwd to HS (MFC-990CW)	—	You can forward a Speed Dial numbers to your cordless handset.	75
 The factory settings are shown in Bold with an asterisk.					

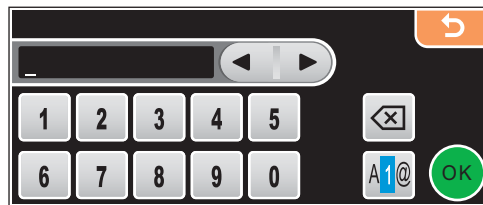
History (History)

Level1	Level2	Level3	Options	Descriptions	Page	
History	Outgoing Call	Send a fax	—	You can choose a number from the Outgoing Call history and then make a telephone call to it, send a fax to it, add it to Speed Dial, or delete it.	72	
		Make a phone call	—			
		More	Add to Speed Dial			
			Delete			
	Caller ID history.		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.	72
			Make a phone call	—		
More			Add to Speed Dial			
			Delete			
 The factory settings are shown in Bold with an asterisk.						

Entering Text

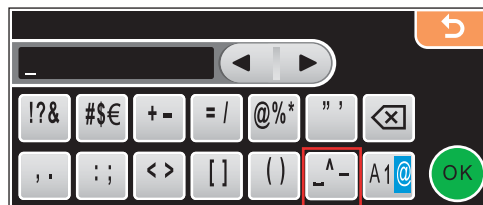
When you are setting certain menu selections, you may need to enter text into the machine. Press **A1@** to choose numbers, characters or special characters. Up to four letters are assigned to each button on the LCD.

By pressing the correct button repeatedly, you can access the character you want.



Inserting spaces

To enter a space, press **A1@** to choose special characters, then press the space button .



Note

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 **⌫**. 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, press **▶** to move the cursor to the right before you press **▶** the button again.

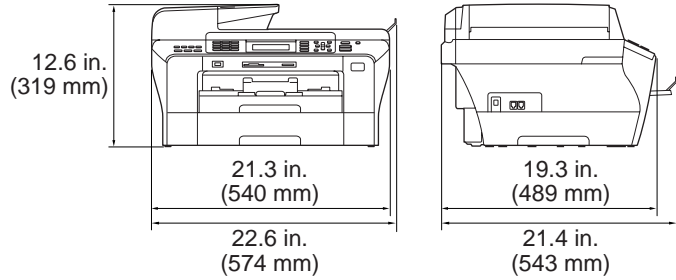
General

Printer Type	Ink Jet	
Print Method	Black:	Piezo with 94 × 1 nozzle
	Color:	Piezo with 94 × 3 nozzles
Memory Capacity	48 MB	
LCD (liquid crystal display)	Touchscreen 4.2 in. (106.7 mm) Color LCD	
	Touchscreen active area: 100.3 mm	
Power Source	AC 100 to 120 V 50/60 Hz	
Power Consumption	Off Mode:	Average TBD W
	Sleep Mode:	Average TBD W
	Standby:	Average TBD W
	Operating:	Average TBD W

¹ Measured diagonally

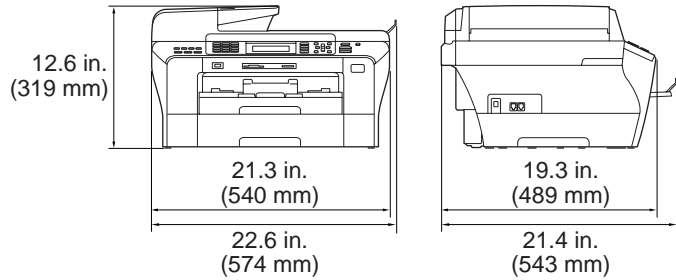
Dimensions

(MFC-790CW)



Dimensions

(MFC-990CW)



Weight

TBD lb (TBD kg)

Noise

Operating: 50 dB or less ¹

Temperature

Operating: 50° F - 95° F (10 to 35° C)

Best Print Quality: 68° F - 91° F (20 to 33° C)

Humidity

Operating: 20 - 80% (without condensation)

Best Print Quality: 20 - 80% (without condensation)

ADF (automatic document feeder)

For best results we recommend:

Up to 50 pages

Temperature: 68° F - 86° F (20° C - 30° C)

Humidity: 50% - 70%

Paper: 20 lb (80 g/m²) A4 or Letter size

Paper Tray

100 Sheets 20 lb (80 g/m²)

¹ This depends on printing conditions.

Print media

Paper Input

Paper Tray

■ Paper type:

Plain paper, inkjet paper (coated paper), glossy paper², transparencies^{1 2} and envelopes

■ Paper size:

Letter, Legal, Executive, A4, A5, A6, JIS B5, envelopes (commercial No.10, DL, C5, Monarch, JE4), PhotoL 4"×6", Photo 2L 5"×7", Index card and Post card³.

Width: 3.5 in. (89 mm) - 8.5 in. (215.9 mm)

Length: 5.0 in. (127 mm) - 11.7 in. (297 mm)

For more details, see *Paper weight, thickness and capacity* on page 20.

■ Maximum paper tray capacity: Approx. 150 sheets of 20 lb (80 g/m²) plain paper

Paper Output

Up to 50 sheets of 20 lb (80 g/m²) plain paper (face up print delivery to the output paper tray)²

¹ Use only transparencies recommended for inkjet printing.

² For glossy paper or transparencies, we recommend removing printed pages from the output paper tray immediately after they exit the machine to avoid smudging.

³ See *Paper type and size for each operation* on page 19.

Fax

Compatibility	ITU-T Group 3
Coding System	MH/MR/MMR/JPEG
Modem Speed	Automatic Fallback 33600 bps
Document Size	ADF Width: 5.8 in. to 8.5 in. (148mm to 215.9 mm) ADF Length: 5.8 in. to 14 in. (148mm to 355.6 mm) Scanner Glass Width: Max. 8.5 in. (215.9 mm) Scanner Glass Length: Max. 11.7 in. (297 mm)
Scanning Width	8.2 in. (208 mm) (Letter paper)
Printing Width	8.03 in. (204 mm)
Gray Scale	256 levels
Polling Types	Standard, Sequential: (Black only)
Contrast Control	Automatic/Light/Dark (manual setting)
Resolution	■ Horizontal 203 dot/in. (8 dot/mm) ■ Vertical Standard 98 line/in. (3.85 line/mm) (Black) 196 line/in. (7.7 line/mm) (Color) Fine 196 line/in. (7.7 line/mm) (Black/Color) Photo 196 line/in. (7.7 line/mm) (Black) Superfine 392 line/in. (15.4 line/mm) (Black)
Speed Dial	100 stations × 2 numbers
Groups	Up to 6
Broadcasting ³	210 stations
Automatic Redial	1 time after 5 minutes
Ring Delay	0, 1, 2, 3 or 4 rings
Communication Source	Public switched telephone network.
Memory Transmission	Up to 480 ¹ /400 ² pages
Out of Paper Reception	Up to 480 ¹ /400 ² pages

¹ 'Pages' refers to the 'Brother Standard Chart No. 1' (a typical business letter, Standard resolution, MMR code). Specifications and printed materials are subject to change without prior notice.

² 'Pages' refers to the 'ITU-T Test Chart #1' (a typical business letter, Standard resolution, MMR code). Specifications and printed materials are subject to change without prior notice.

³ Black & White only

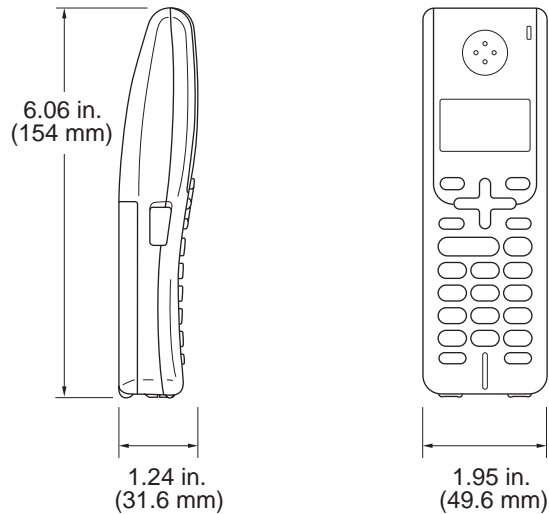
Message Center

Message Center	Yes
ICM Recording Time	Max. 29 minutes / Max. 99 messages (Max.180 secs / 1 message)
Toll Saver	Yes
Recording Conversation (MFC-790CW only)	Yes
OGM	Yes
OGM Recording Time	20 secs

Digital Cordless Handset (MFC-990CW only)

Cordless handset (BCL-D60)

Frequency	5.8 GHz
Technology	FHSS (Frequency Hopping Spread Spectrum)
Multi Handset Capability	Up to 4 handsets ³
Dimensions	



Weight (including battery)	5.43 oz (154 g)
LCD (liquid crystal display)	16-Digit, 3-Line (+1-Line for Pict), Backlit (Orange)
Charge Indicator	Yes (LED)
Full Charge Time	12 hours
While in Use (TALK)	4 hours ¹ 6 hours ²
While Not in Use (Standby)	200 hours

¹ When Voice Enhance is set to On.

² When Voice Enhance is set to Off.

³ Additional purchase is required for optional cordless handsets.

Battery

Type	BCL-BT10
Rating	Ni-MH 3.6 V 730 mAh

**ATTENTION:**

The product you have purchased is powered by Nickel Metal Hydride battery which is recyclable.

(For USA)

At the end of their useful lives, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY or visit www.rbc.com for information on how to recycle this battery.

(For Canada)

For more information on how to recycle this battery, please call 1-800-8-BATTERY or visit www.rbc.com.

Copy

Color/Black	Yes/Yes
Document Size	ADF Width: 5.8 in. to 8.5 in. (148 mm to 215.9 mm) ADF Length: 5.8 in. to 14 in. (148 mm to 355.6 mm) Scanner Glass Width: Max. 11.6 in. (215.9 mm) Scanner Glass Length: Max. 11.7 in. (297 mm) Copy Width: Max. 8.26 in. (210 mm)
Multiple Copies	Stacks/Sorts up to 99 pages
Enlarge/Reduce	25% to 400% (in increments of 1%)
Resolution	■ Scans up to 1200×1200 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[™]
(Not available for music data with MagicGate[™])
Memory Stick Duo[™] with adapter
Memory Stick Micro (M2) with adapter

SD ²

SDHC ³

microSD with adapter

miniSD[™] with adapter

xD-Picture Card[™] ⁴

USB Flash memory drive ⁵

Resolution

Up to 1200 × 2400 dpi

File Extension

(Media Format)
(Image Format)

DPOF, EXIF, DCF

Photo Print: JPEG ⁶

Scan to Media: JPEG, PDF (Color)

TIFF, PDF (Black)

Color Enhancement

True2Life[®]

Photo Enhance

Auto Correct, Enhance Skin-Tone, Enhance Scenery, Trimming, Slide Show, Remove Red-Eye, Monochrome and Sepia

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 4" × 6", Photo 5" × 7" ⁷

¹ Memory cards, adapters and USB Flash memory drive are not included.

² 16MB to 2GB

³ 4GB to 8GB

⁴ xD-Picture Card[™] Conventional Card from 16MB to 512MB
xD-Picture Card[™] Type M from 256MB to 2GB
xD-Picture Card[™] Type 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

Supports the Camera & Imaging Products Association PictBridge standard CIPA DC-001.

Visit <http://www.cipa.jp/pictbridge> for more information.

Interface

USB direct interface

Bluetooth[®] wireless technology (MFC-990CW only)

Standard	ver 2.0 + EDR
Frequency	2.4 - 2.485 GHz
Communication Speed	ver 2.0 + EDR : 3Mbps Maximum 3Mbps
File Extension (Image Format)	JPEG

Scanner

Color/Black	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®)
Color Depth	30 bit color Processing (Input) 24 bit color Processing (Output) (Actual Input: 30 bit color/Actual Output: 24 bit color)
Resolution	Up to 19200 × 19200 dpi (interpolated) ² Up to 1200 × 2400 dpi (optical) (Scanner Glass) Up to 1200 × 600 dpi (optical) (ADF)
Scanning Speed	
Document Size	ADF Width: 5.8 in. to 8.5 in. (148 mm to 215.9 mm) ADF Length: 5.8 in. to 14 in. (148 mm to 355.6 mm) Scanner Glass Width: Max. 8.5 in. (215.9 mm) Scanner Glass Length: Max. 11.7 in. (297 mm)
Scanning Width	8.23 in. (210 mm)
Gray Scale	256 levels

¹ Windows® XP in this User's Guide includes Windows® XP Home Edition, Windows® XP Professional, and Windows® XP Professional x64 Edition.

² Maximum 1200 × 1200 dpi scanning when using the WIA Driver for Windows® XP and Windows Vista® (resolution up to 19200 × 19200 dpi can be selected by using the Brother scanner utility)

Printer

Printer Driver	Windows® 2000 Professional/XP/XP Professional x64 Edition/Windows Vista® driver supporting Brother Native Compression mode Mac OS® X 10.2.4 or greater: Brother Ink Driver
Resolution	Up to 1200 × 6000 dpi ¹ 1200 × 2400 dpi 1200 × 1200 dpi 1200 × 1200 dpi 600 × 1200 dpi 600 × 300 dpi 600 × 150 dpi (Color) 450 × 150 dpi (Black & White)
Print Speed	Up to 33 pages/minute (Black) ² Up to 27 pages/minute (Color) ²
Printing Width	8.26 in. [8.5 in. (borderless) ³] ⁵ 210 mm [216 mm (borderless) ³] ⁵
Borderless	Letter, A4, A6, B4, Photo 4"×6", Index Card, Photo L 3.5"×5", Photo 2L 5"×7", Post Card ⁴

¹ Output image quality varies based on many factors including, but not limited to input image resolution and quality and print media.

² PPM speed excludes time to complete first page and will vary depending on a variety of factors. See www.brother-usa.com/printspeed for additional details

³ When you set the Borderless feature to On.

⁴ See *Paper type and size for each operation* on page 19.

⁵ When printing on letter size paper.

Interfaces

USB

A USB 2.0 interface cable that is no longer than 6 feet (2.0 m).^{1 2}

LAN cable³

Ethernet UTP cable category 5 or greater.

Wireless LAN

Your machine supports IEEE 802.11b/g wireless communication with your wireless LAN using Infrastructure mode or a wireless Peer-to-Peer connection in Ad-hoc Mode.

¹ Your machine has a USB 2.0 Hi-speed interface. The machine can also be connected to a computer that has a USB 1.1 interface.

² Third party USB ports are not supported for Macintosh®.

³ See the *Network User's Guide* for detailed network specifications.

Computer requirements

SUPPORTED OPERATING SYSTEMS AND SOFTWARE FUNCTIONS						
Operating Systems		Supported Functions	Interface	Minimum Processor	Recommended RAM	Required HARDDisk Space
Windows® ¹	2000 Professional ⁵	Printing, PC-FAX ⁴ Scanning, Removable Disk ³	USB 10/100 BASE-TX Wireless 802.11 b/g	Intel® Pentium® II or AMD equivalent	256MB	450MB
	XP Home XP Professional ⁵					
	XP Professional x64 Edition	AMD Opteron™ AMD Athlon™ 64 Intel® Xeon™ with Intel® EM64T Intel® Pentium® 4 with Intel® EM64T		512MB		
	Windows Vista™	1 GHz 32-bit (x86) or 64-bit (x64) processor		1GB	1.1GB	
Mac® ⁶	OS X 10.2.4 or greater	Printing, PC-FAX Send ⁴ Scanning, Removable Disk ³	USB ² 10/100 BASE-TX Wireless 802.11 b/g	PowerPC G4/G5, Intel® Core™ Solo/Duo PowerPC G3 350MHz	256MB	480MB
Conditions:						
¹ Microsoft® Internet Explorer 5.5 or greater. ² Third party USB ports are not supported. ³ Removable disk is a function of PhotoCapture Center®. ⁴ PC Fax supports black and white faxing only. ⁵ PaperPort™ 11SE supports Microsoft® SP4 or higher for Windows® 2000 and SP2 or higher for XP. ⁶ Presto!® PageManager® on the CD-ROM supports Mac OS X 10.3.9 or higher. For Mac OS X 10.2.4-10.3.8 Presto!® PageManager® is available as a download from the Brother Solutions Center.				For the latest driver updates, visit www.brother.com . All trademarks, brand and product names are property of their respective companies.		

Consumable items

Ink	The machine uses individual Black, Yellow, Cyan and Magenta ink cartridges that are separate from the print head assembly.
Service Life of Ink Cartridge	Starter ink cartridges are in the box. The first time you install the inkcartridges the machine will use extra ink to fill the ink delivery tubes. This is a one-time process that enables high quality printing. Afterward, replacement ink cartridges will print the specified number of pages. Starter cartridge yield is approx. 65% of the yield of the LC61 replacement cartridge.
Replacement Consumables	<Black> LC61BK, <Cyan> LC61C, <Magenta> LC61M, <Yellow> LC61Y Black - Approximately 500 pages ¹ Cyan, Magenta, Yellow - Approximately 400 pages ¹ For more information about the replacement consumables, visit us at www.brother.com/pageyield .

¹ Approx. cartridge yield is declared in accordance with ISO/IEC 24711.

What is Innobella™?

Innobella™ is a range of genuine consumables offered by Brother. The name "Innobella™" derives from the words "Innovation" and "Bella" (meaning "Beautiful" in Italian) and is a representation of the "innovative" technology providing you with "beautiful" and "long lasting" print results.

When you print photo images, Brother recommends Innobella™ glossy photo paper (BP71 series) for high quality. Brilliant prints are made easier with Innobella™ Ink and paper.



Network (LAN)

LAN	You can connect your machine to a network for Network Printing, Network Scanning, PC Fax Send, PC Fax Receive (Windows® only) and Remote Setup ¹ . Also included is Brother BRAdmin Light ² Network Management software.	
Support for	Windows® 2000 Professional/XP/XP Professional x64 Edition/Windows Vista®	
	Mac OS® X 10.2.4 or greater	
	Ethernet 10/100 BASE-TX Auto Negotiation (Wired LAN)	
	IEEE 802.11 b/g (Wireless LAN)	
Protocols	TCP/IP:	ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), NetBIOS/WINS, LPR/LPD, Custom Raw Port/Port9100, DNS Resolver, mDNS, FTP Server, TELNET, SNMPv1, TFTP, Scanner Port, LLTD responder, Web Services
Network Security	SSID/ESSID, 128 (104) / 64 (40) bit WEP, WPA/WPA2-PSK (TKIP/AES)	
Setup Support Utility	SecureEasySetup™	Yes (simple setup with your SecureEasySetup™-capable access point/router)
	AOSS™	Yes (simple setup with your AOSS™-capable access point/router)
	WPS	Yes (simple setup with your Wi-Fi Protected Setup™-capable access point/router)

¹ See the Computer Requirements chart on page 205.

² If you require more advanced printer management, use the latest Brother BRAdmin Professional utility version that is available as a download from <http://solutions.brother.com>.

Wireless one-push configuration

If your wireless access point supports either SecureEasySetup™, Wi-Fi Protected Setup™ (PBC ¹) or AOSS™, you can configure the machine easily without a computer. By pushing a button on the wireless LAN router / access point and the machine, you can set up the wireless network and security settings. See the users guide for your wireless LAN router / access point for instructions on how to access one-push mode.

¹ Push Button Configuration

 **Note**

Routers or access points that support SecureEasySetup™, Wi-Fi Protected Setup™ or AOSS™ have the symbols shown below.



E

Glossary

This is a comprehensive list of features and terms that appear in Brother manuals. Availability of these features depends on the model you purchased.

ADF (automatic document feeder)

The document can be placed in the ADF and scanned one page at a time automatically.

Auto Reduction

Reduces the size of incoming faxes.

Automatic 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 & 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.

Delayed Fax

Sends your fax at a specified time later.

Distinctive Ring

A subscriber service purchased from the telephone company that gives you another telephone number on an existing telephone line. The Brother machine uses the new number to simulate a dedicated fax line.

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.

Easy Receive

Enables your machine to respond to CNG tones if you interrupt a fax call by answering it.

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 jack.

External telephone

A telephone that is plugged into the EXT jack of your machine.

F/T Ring Time

The length of time that the Brother machine rings (when the Receive Mode setting is Fax/Tel) to notify you to pick up a voice call that it answered.

Fax Forwarding

Sends a fax received into the memory to another pre-programmed fax number.

Fax Receive Code

Press this code (* 5 1) when you answer a fax call on an extension or external telephone.

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.

Gray Scale

The shades of gray 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.

Fax Journal

Lists information about the last 200 incoming and outgoing faxes. TX means Transmit. RX means Receive.

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

You can lift the handset of the external telephone or you can press **Hook** to hear the receiving fax machine answer before you press **Black Start** or **Color Start** to begin sending.

Menu mode

Programming mode for changing your machine's settings.

OCR (optical character recognition)

The bundled ScanSoft® PaperPort® SE with OCR or Presto!® PageManager® software application converts an image of text to text you can edit.

Memory Receive

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.

Paging

This feature enables your machine to call your pager when a fax is received into its memory. The machine will also page for voice messages.

Pause

Allows you to place a 3.5 second delay in the dialing sequence while you are dialing using the dial pad or while you are storing Speed Dial numbers. Press **Redial/Pause** as many times as needed for longer pauses.

PhotoCapture Center®

Allows you to print digital photos from your digital camera at high resolution for photo quality printing.

Photo resolution (B&W only)

A resolution setting that uses varying shades of gray 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 (Canada only)

A form of rotary dialing on a telephone line.

Quick Dial List

A listing of names and numbers stored in Speed Dial memory, in numerical order.

Real Time Transmission

When memory is full, you can send faxes in real time.

Remaining jobs

You can check which jobs are waiting in memory and cancel jobs individually.

Remote Access Code

Your own four-digit code (---*) that allows you to call and access your machine from a remote location.

Remote Retrieval Access

The ability to access your machine remotely from a touch tone telephone.

Resolution

The number of vertical and horizontal lines per inch. See: Standard, Fine, Super Fine and Photo.

Ring Delay

The number of rings before the machine answers in Fax Only and Fax/Tel modes.

Ring Volume

Volume setting for the machine's ring.

Scanning

The process of sending an electronic image of a paper document into your computer.


Scan to Media

You can scan a black & white or color document into a memory card or USB Flash memory drive. Black & white images can be in TIFF or PDF file format and color images can 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 dialing. You must press  (Speed Dial), the two digit code, and **Black Start** or **Color Start** to start the dialing 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 (B&W)

392 × 203 dpi. Best for very small print and line art.

TAD (telephone answering device)

You can connect an external device or answering machine to the EXT. jack of your machine.

**Telephone Answer 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**).

Temporary settings

You can choose certain options for each fax transmission and copy without changing the default settings.

Tone

A form of dialing 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 the last fax sent, that shows its date, time and number.

True2Life®

Adjusts the color in the image for better print quality by improving sharpness, white balance and color density.

User Settings

A printed report that shows the current settings of the machine.

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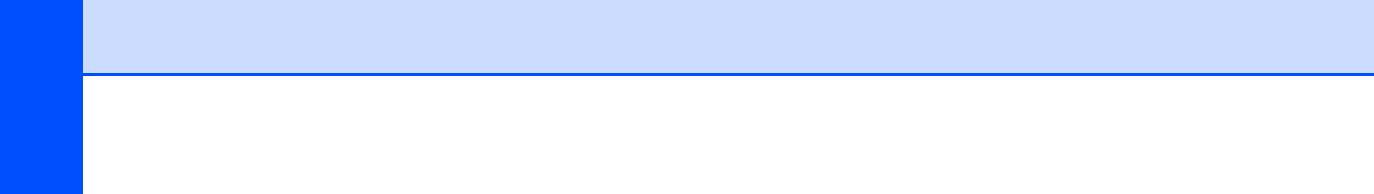
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EQUIPMENT ATTACHMENT LIMITATIONS (Canada only)

NOTICE

This product meets the applicable Industry Canada technical specifications.

NOTICE

The Ringer Equivalence Number is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

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<http://www.brother.com>

These machines are made for use in the USA and Canada only. We cannot recommend using them overseas because it may violate the Telecommunications Regulations of that country and the power requirements of your multi-function center may not be compatible with the power available in foreign countries. **Using USA or Canada models overseas is at your own risk and may void your warranty.**

USA/CAN