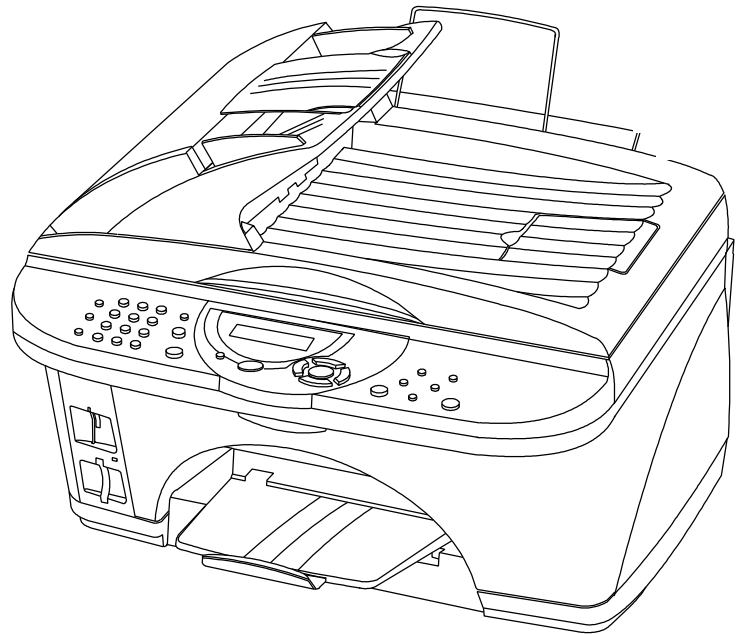


Datasheet

Flatbed Colour Multi-function Centre

Colour Print
Colour Fax
Colour Copy
Colour Scan
PhotoCapture Centre™



CORE FEATURES

2 line back-lit display with easy navigation keys
8MB standard memory
near edge feature
up to 30 sheet auto document feeder
100 sheet paper capacity
parallel & USB interfaces
10/100 TX Base Network Option – NC-8100h

COLOUR PRINTER

up to 16 ppm colour & up to 20 ppm mono
up to 2400 x 1200 dpi resolution for both colour and mono
variable drop size from 5 pl
600 nozzles at 150 nozzles per colour
4 separate ink cartridges, black yield 950* pages and colour yield is 450* pages
optical ink empty sensor

*Printing A4 paper at 5% coverage in draft mode

COLOUR FAX

colour faxing (ITU-T30E fax standard)
33.6k bps Super G3 fax modem
up to 400 pages memory**
MH / MR / MMR / JPEG compression
100 speed dials
memory security with transmission lock
remote set-up for Windows® & MacOS X
PC fax send & receive for Windows® (PC send only for Mac) – B&W only

** ITU-T No 1 chart MMR coding, standard resolution

COLOUR COPIER

A4 Flatbed design
Up to 99 multi-copies with stack and sort features
25 - 400% in 1% increments zoom
up to 1200 x 1200 dpi copy resolution
2 in 1 & 4 in 1 reduction and poster enlargement

COLOUR SCANNER

fast scanning speed
up to 9600 dpi scan resolution, (interpolated)
36 bit colour processing internally / 24 bit colour output
scan to: e-mail / OCR / image / LAN†
TWAIN compliant, WIA compliant

† LAN requires network option

PHOTOCAPTURE CENTRE™

3 slots for SmartMedia™, Compact Flash™, MemoryStick™
removable disk drive function
scan-to-media card with pdf/jpeg (colour), tiff (mono) format
view media station images through LAN† using web browsing

† LAN requires network option

Features

General

Engine	Piezo Inkjet
Modem Speed	33,600 bps
Transmission Speed	3 seconds (Brother #1 Chart, MMR)
ITU-T group compatibility	Super G3
Data Compression	MH / MR / MMR / JPEG
Input / Output Width	Up to 216 mm
ADF (Auto Document Feed)	Up to 30 sheets can be placed in the document feeder and fed one at a time automatically.
LCD Display Size	2 line of 16 characters with Back lit display
On-Screen Programming	Step by step prompts are displayed within the LCD in order to facilitate programming machine options and settings.
Backup for clock	Keeps time and date backed up for up to 1 hr
Total Memory Capacity	8 MB (RAM)
Simultaneous Operation	(Print/Fax), (Print/Scan), (Print/Copy), (Fax/Copy)

Colour Printer

Speed	Up to 20/16 – mono/colour @ 450 x 150 dpi Up to 10/7 – mono/colour @ 600 x 300 dpi Up to 3.5/2.5 – mono/colour @ 600 x 600 dpi Up to 1.2/0.9 – mono/colour @ 1200 x 1200 dpi Up to 2400 x 1200
Resolution dpi	Up to 2400 x 1200
Paper Capacity (Sheets)	100 sheets can be stored in the paper tray
Output Paper Capacity	50 sheets can be stored in the output paper tray
Paper Handling Size / type	A4 / A5 / EXE / LTR / Leg / Postcard / Photo / Index card / OHP / Envelopes
Near edge printing	This feature enables you to print to within 3mm of all edges of a sheet of A4 paper
Standard Print Language	Windows GDI
Printer Driver	Compatible with Windows®95/98/98(SE)/Me/WinNT®4.0/2000Professional/XP MacOS 8.5.1 - 10.1
Colour Enhancement	True2Life

Colour Fax

Colour Fax	Send, receive and memory receive only. (Not possible to memory send in colour).
Automatic Redial	Automatic redialling if the recipient fax is busy
Speed Dials	100 speed dial locations easily accessible using the navigation keys.
Group Dial	A combination of up to 6 speed dial and telephone index numbers can be stored in one speed dial location and accessed using the navigation keys.
Telephone Index	An electronic, alphabetical listing of Speed Dials and Group numbers.
Chain Dialling	Allows the user to store parts for long dialling sequences in different Speed Dial locations.
Station ID	This is the name and number identifier of the machine
Remote Maintenance	Allows a call centre to maintain a users fax machine without leaving the office.
Fax / Tel Switch	The machine automatically answers every call, incoming faxes are printed or stored to memory, telephone calls will generate a pseudo ring
Distinctive Ring Detection	A service purchased from the Telephone Company that allows two or more telephone numbers to share a single fixed line, the function enables the machine to differentiate between different incoming calls.
Speaker/Ring volume	3 Steps and off
Super Fine	Enables quality transmission of very small print and line drawings, (Mono only)
Grey Scale	256 levels
Contrast	This allows the user to change the contrast between Auto / light / dark
Enhanced Remote Activate	Transfer a fax call, answered at an extension phone, to the fax machine
Delayed Timer	Up to 50
Polling Type	Standard and Sequential receive and transmit
Transmit Lock	This allows the user to prevent unauthorised access to the fax machine.
Quick-Scan (Memory Transmission)	Reduce scanning times by scanning a fax into memory before sending.
Out of Paper Reception/Memory Transmission	Up to 400 pages (ITU-T No 1Chart, MMR)
Broadcasting	Send the same fax message to up to 150 separate locations
Manual Broadcasting	Allows the user to manually select a number of speed dials and send the same fax message to different locations.
Batch Transmission	Stores documents for the same location in the machines memory for transmission in a single call.
Next Fax Reservation	By loading a document in the ADF and entering the dialling location the user can prepare a fax for transmission whilst the machine is already receiving a call.

Features

Colour Fax (Cont....)

Auto Reduction	When receiving a single page document between 297mm and 350mm long the fax machine will automatically reduce the message to fit onto a single A4 sheet.
ECM (Error Correction Mode)	Where machines share the ECM feature, detects errors during fax transmission and resends the page(s) of the document that had an error
Dual Access	Allows the user to scan a fax into memory and give dialling instructions while the machine is either receiving or sending another document, (B&W only)
Fax Forwarding PC Fax	Sends a fax received in memory to another pre-programmed fax number, (B&W only) Available with Brother Software supplied with the MFC-890 (B&W send and receive for Windows, B&W send only for Mac)
Remote Access Fax Retrieval Remote Set-up	Allows the user to remotely access their machine by using another touch tone phone Allows the user to retrieve fax messages using another touch tone machine, (B&W only) Allows the user to set-up the MFC from their PC. E.g. quick dials, station ID (Windows and MacOSX only)
PBX Feature Internet Fax	Enables compatibility with PBXs that use Time Break Recall Supports the popular ITU-T.37 for store and forward Internet Fax Features, allows faxes to be sent through the Internet to other Internet Fax machines virtually free from cost. (Available with LAN option)
Paging	When a fax message is received the machine can call another number to indicate a fax has arrived.

Colour Copy

Speed	Up to 15/12, mono/colour for multiple copies Up to 12/8, mono/colour for multiple documents
Resolution	Maximum 1200 x 1200 dpi
Multi Copy (Stack)	Using stack, copies of sheets A, B, C will be delivered into the tray in order A A B B C C for up to 99 copies
Multi Copy (Sort)	Using sort, copies of sheets A, B, C will be delivered into the tray in order A B C A B C for up to 99 copies
Enlargement/Reduction Ratio 2 in 1 / 4 in 1 Poster	Reduce or Increase document sizes from 25% to 400% in 1% increments. Allows the user to compress 2 or 4 pages on to a single A4 sheet Allows the user to create posters by enlarging 1 A4 sheet on to 3 x 3 A4 sheets

Colour Scanner

Resolution (Optical)	Up to 600 x 2400 dpi
Resolution (Interpolated)	Up to 9600 x 9600 dpi
Speed	Scan speed is from 3 seconds
Grey Scale	256 shades of grey are available for copying, faxing or scanning
TWAIN Compliant & Operating System	The MFC-890 is TWAIN compliant for Windows®95/98(SE)/Me/WINNT®4.0/2000Professional/XP (WIA) MacOS 8.6-9.2
PCI Scanner (Parallel / USB) Scan Key	The MFC-890 has Parallel and USB connections Allows the user to scan to e-mail, OCR, Image, Card and LAN. For Windows® only (LAN requires Network option)
Colour Depth Consecutive scan with ADF	The MFC-890 has a 36 bit internal processing colour scanner The ADF facility enables you to scan consecutive sheets unattended with Windows® and Mac™

List / Report

Journal Report	Lists information about the last 200 incoming and outgoing faxes.
TX (Transmission) Verification Report Help List	Reports transmission details after each fax is sent. By selecting 'print reports' in the menu function, the machine prints a list of basic operational steps and functions.
Auto Dial list Order form	Lists names and numbers stored in the Speed Dial memory, in numerical order. By selecting 'print reports' in the menu function, the machine will print an accessories order form for you to send to your Brother dealer.

Interface

External TAD Interface	Interface for connecting external telephone answering devices
Host Interface (IEEE1284)	Parallel cable port
Host Interface (USB)	USB (Universal Serial Bus) cable port
LAN Interface	Optional 10Base-T/100Base-TX
Acceptable media card slot	Smart media™ / Compact Flash™ / Memory Stick™

Features

PhotoCapture Centre

Acceptable Media

The following can be used in the MFC-890:

Smart Media™ (3.3v)

Compact Flash™ (Type –1 / 2) – except Microdrive, this is not supported.

Memory Stick™

Print from...

You can print from any of the acceptable media listed without the use of a PC

Media format

The following media formats are supported by the MFC-890, DPOF, EXIF 1.1, DCF

Scan-to-card

The following image formats are supported by the MFC-890, TIFF, (Mono), JPEG, PDF, (Colour)

Colour Enhancement

True2Life Image Enhancement

Media Drive

USB only. Win98/98SE/Me/2000/XP, Mac 9.0-10.1

Weights and Measures

Dimensions

With Carton (612mm width) x (572mm depth) x (464mm height)

Without Carton (492mm width) x (466mm depth) x (378mm height)

Weight

With Carton 16.5 Kg

Without Carton 13 Kg

Power Consumption

Power off: under 5 Watts

Power save: under 8 Watts

Stand-by: under 19 Watts

Operating: under 50 Watts

Energy Star Compliant

This MFC is Energy Star Compliant

Consumables

4 Separate Ink Cartridges

LC600BK Up to 950 pages @ Fast Mode @ 5% coverage

LC600C Up to 450 pages @ Fast Mode @ 5% coverage

LC600M Up to 450 pages @ Fast Mode @ 5% coverage

LC600Y Up to 450 pages @ Fast Mode @ 5% coverage