

## Brother MFCJ870DW

# Brother MFC-J870DW Inkjet All-in-One Printer User Manual

MODEL: MFC-J870DW

## Introduction

The Brother MFC-J870DW is a versatile inkjet all-in-one device designed for home and home office environments. It integrates printing, copying, scanning, and faxing functionalities. Key features include wireless and wired network connectivity, a 2.7-inch color touchscreen display, automatic duplex printing, and mobile device compatibility.



Figure 1: Front view of the Brother MFC-J870DW Inkjet All-in-One Printer.

## Unpacking and Initial Setup

### Unpacking Contents

Verify that all components are present in the box:

- MFC-J870DW Printer Unit
- (4) Starter Ink Cartridges (LC101 Series)
- CD-ROM (Assembly for Windows and Mac)
- User's Manual (Printed)
- Quick Setup Guide

- Disc Tray
- Telephone Line Cord

## Initial Power-On and Ink Installation

After removing all packing materials, connect the power cord and turn on the printer. Follow the on-screen instructions on the 2.7-inch Color TouchScreen Display to install the four starter ink cartridges. The MFC-J870DW features convenient front-loading ink cartridge access. Load paper into the paper tray as instructed.

## Connectivity Options

### Wireless Network Setup

The printer can be connected to a wireless network using the built-in wireless setup assistant. This process guides you through connecting the device to your Wi-Fi network (802.11 b/g/n) without requiring a USB cable or network password. Ensure your wireless router is powered on and functioning.

### Wired Ethernet Connection

For a wired network connection, connect an Ethernet cable from your router or network hub to the Ethernet port on the printer. The printer will automatically detect the wired connection.

### USB Connection

To connect the printer directly to a single computer, use a USB cable. Install the necessary drivers from the provided CD-ROM or Brother's official website. Note that simultaneous wired (USB) and wireless connections are not supported; select one method for operation.

### NFC (Near Field Communication)

The MFC-J870DW supports NFC for compatible mobile devices. This feature allows for direct wireless communication by simply touching your NFC-enabled device to the designated NFC area on the printer. This enables quick printing or scanning without requiring network login credentials.



Figure 2: Angled view of the Brother MFC-J870DW, highlighting the control panel and touchscreen.

## Basic Operations

### Using the 2.7" Color TouchScreen Display

The printer features an intuitive 2.7-inch Color TouchScreen Display with a TouchPanel. This interface displays only the necessary keys for the selected function, simplifying navigation through the printer's various modes and settings.

## Printing Documents

The MFC-J870DW offers print speeds of up to 33 pages per minute (ppm) for black and 27 ppm for color in fast mode. ISO print speeds are up to 12 ppm for black and 10 ppm for color. Automatic duplex (two-sided) printing is supported to conserve paper. Print directly from media cards or a USB flash drive.

## Copying Documents

Utilize the automatic document feeder (ADF) for convenient copying of up to 20 pages, or use the flatbed scanner for single pages or thicker items. Copy settings include N-in-1, poster, fit to page, and base color removal.

## Scanning Documents

Documents can be scanned using either the color flatbed or the automatic document feeder. Optical scan resolution is up to 1200x2400 dpi. Scanned documents can be sent to a computer, email, or various web services via Web Connect.

## Sending Faxes

The integrated fax function operates with a 14.4K bps modem. Documents can be faxed directly from the ADF or flatbed.



Figure 3: Front view of the Brother MFC-J870DW, showing the paper tray and control panel.

## Advanced Features

### Mobile Device Printing

The printer supports various mobile printing solutions, allowing you to print directly from compatible smartphones and tablets:

- **AirPrint:** For Apple iOS devices.
- **Google Cloud Print:** For printing from web-connected devices.
- **Brother iPrint & Scan:** Brother's dedicated mobile app.
- **Wi-Fi Direct:** Enables direct printing from PC or mobile devices without a router.
- **Cortado Workplace:** A cloud printing solution.

### Brother Cloud Apps and Web Connect

Access pre-installed Brother Cloud Apps directly from the printer's touchscreen, including Outline & Copy, Outline & Scan, Outline & Remove, and Note Scan. The Web Connect interface allows direct access to popular web services like Facebook, Picasa Web Albums, Flickr, Google Drive, Evernote, Dropbox, Box, and SkyDrive for printing from or scanning to these platforms.

## CD/DVD/Blu-ray Disc Printing

The MFC-J870DW includes a disc tray for direct printing onto compatible CD, DVD, and Blu-ray discs.

## Maintenance

### Replacing Ink Cartridges

When an ink cartridge is low or empty, the printer will notify you. The MFC-J870DW uses LC101 series ink cartridges. To replace, open the front access panel, remove the old cartridge, and insert a new one. High-yield replacement ink cartridges are available to help reduce operating costs.

### Cleaning the Printer

To maintain optimal print quality, periodically clean the print heads. This can typically be initiated through the printer's menu settings. If print quality issues such as streaking or missing lines occur, perform a print head cleaning cycle as instructed by the printer's display or the full user manual.

## Troubleshooting

### Network Connection Issues

If the printer fails to connect to your wireless network, verify the SSID (network name) and network key (password) are entered correctly. Ensure your firewall settings on your computer or network are not blocking communication with the printer. For complex network setups, consult your network administrator or the full user manual.

### Print Quality Problems

If printouts show poor quality, such as faded colors, streaks, or misaligned text, perform a print quality check from the printer's menu. If the test page indicates issues, run a print head cleaning cycle. Ensure genuine or high-quality compatible ink cartridges are used and are not expired.

### General Operation Issues

For other operational difficulties, refer to the Quick Setup Guide for common solutions or consult the comprehensive User's Manual (available on the CD-ROM or Brother's support website) for detailed troubleshooting steps. Restarting the printer and the connected device can often resolve minor issues.

## Technical Specifications

Feature	Specification
Print Resolution (maximum)	Up to 6000 x 1200 dpi
Standard Interfaces	USB, Ethernet, Wireless (802.11 b/g/n), Wi-Fi Direct
Scan Resolution (optical)	Up to 1200x2400 dpi
Fax Modem	14.4K bps
Document Glass Size	8.5" x 11.7" (Letter size)
Max Input Sheet Capacity	100 sheets
Memory Storage Capacity	128 MB
Product Dimensions (W x D x H)	16.1 x 14.7 x 7.1 inches

Feature	Specification
Item Weight	20.1 pounds
Dual-sided printing	Yes (Automatic Duplex)
Control Method	Touch (2.7" Color TouchScreen)

### Software Compatibility

- **Windows:** XP / XP Professional X64 / Windows Vista / Windows 7 / Windows 8 / Server 2003 / Server 2003 x 64 / Server 2003 R2 / Server 2003 Rs x 64 / Server 2008 / 2008 R2
- **Mac:** OS X 10.6.x, 10.7.x, 10.8.x

## Warranty and Support

### Warranty Information

The Brother MFC-J870DW comes with a 2-year limited warranty. This warranty covers defects in materials and workmanship under normal use.

### Customer Support

Brother provides free phone support for the life of your product. For technical assistance, troubleshooting, or warranty claims, please contact Brother customer service. Refer to the Quick Setup Guide or the full User's Manual for contact details.