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Brother DCP-T510W

Brother DCP-T510W Inktank Refill System Printer User Manual

Model: DCP-T510W

PRODUCT OVERVIEW

The Brother DCP-T510W is an all-in-one ink tank printer designed for home and small office use. It offers print, scan, and copy functionalities with the added convenience of built-in wireless technology. Its refillable ink tank system provides a cost-effective solution for high-volume printing.



Figure 1: Front view of the Brother DCP-T510W Inkjet Printer, showcasing its compact design and integrated ink tanks.

SETUP AND INSTALLATION

Follow these steps to set up your Brother DCP-T510W printer for the first time.

1. Unpacking and Initial Preparation

- Carefully remove the printer from its packaging.
- Remove all protective tapes and packing materials from the exterior and interior of the printer.
- Ensure all included components are present: Power Cable, USB Cable, User Manual, and Installation CD.



Figure 2: Angled view of the printer, showing the paper input tray and control panel.

2. Filling the Ink Tanks

The DCP-T510W utilizes an ink tank refill system. Use only genuine Brother BTD60BK (Black) and BT5000 C, M, Y (Cyan, Magenta, Yellow) ink bottles.

1. Open the ink tank cover located on the side of the printer.
2. Uncap the ink bottle for the corresponding color.
3. Carefully insert the nozzle of the ink bottle into the ink tank opening. The ink will flow automatically.
4. Once the tank is full, remove the bottle and securely close the ink tank cap.
5. Repeat for all colors.

Note: Avoid overfilling the ink tanks.

3. Power Connection and Initial Setup

- Connect the power cable to the printer and then to a power outlet.

- Press the power button to turn on the printer.
- Follow the on-screen instructions on the printer's LCD display to select your language and perform initial ink system priming.

4. Software and Connectivity Setup

Install the necessary drivers and software from the included Installation CD or download them from the official Brother support website.

- **USB Connection:** Connect the printer to your computer using the provided USB cable.
- **Wi-Fi Connection:**
 - a. On the printer's control panel, navigate to the Network settings.
 - b. Select WLAN and then Setup Wizard.
 - c. Choose your Wi-Fi network (SSID) from the list and enter the network password (if required).
 - d. Confirm the connection.
- **Wi-Fi Direct:** This feature allows direct connection from mobile devices without a router. Refer to the detailed user guide for Wi-Fi Direct setup instructions.

OPERATING THE PRINTER

The DCP-T510W offers versatile printing, scanning, and copying capabilities.

1. Printing Documents and Photos

- **Loading Paper:** Load paper into the adjustable paper tray. The printer supports various sizes including A4, Letter, Legal, Photo (4" x 6"), and Envelopes.
- **Print Quality:** For optimal results, select "Fine" quality in your printer settings for documents and photos. The maximum print resolution is up to 1200 x 6000 dpi.
- **Print Speed:** Expect print speeds of up to 27 ppm for monochrome and 10 ppm for color.
- **Manual Duplex Printing:** This model does not support automatic duplex printing. For two-sided prints, you will need to manually re-insert the paper to print on the second side.

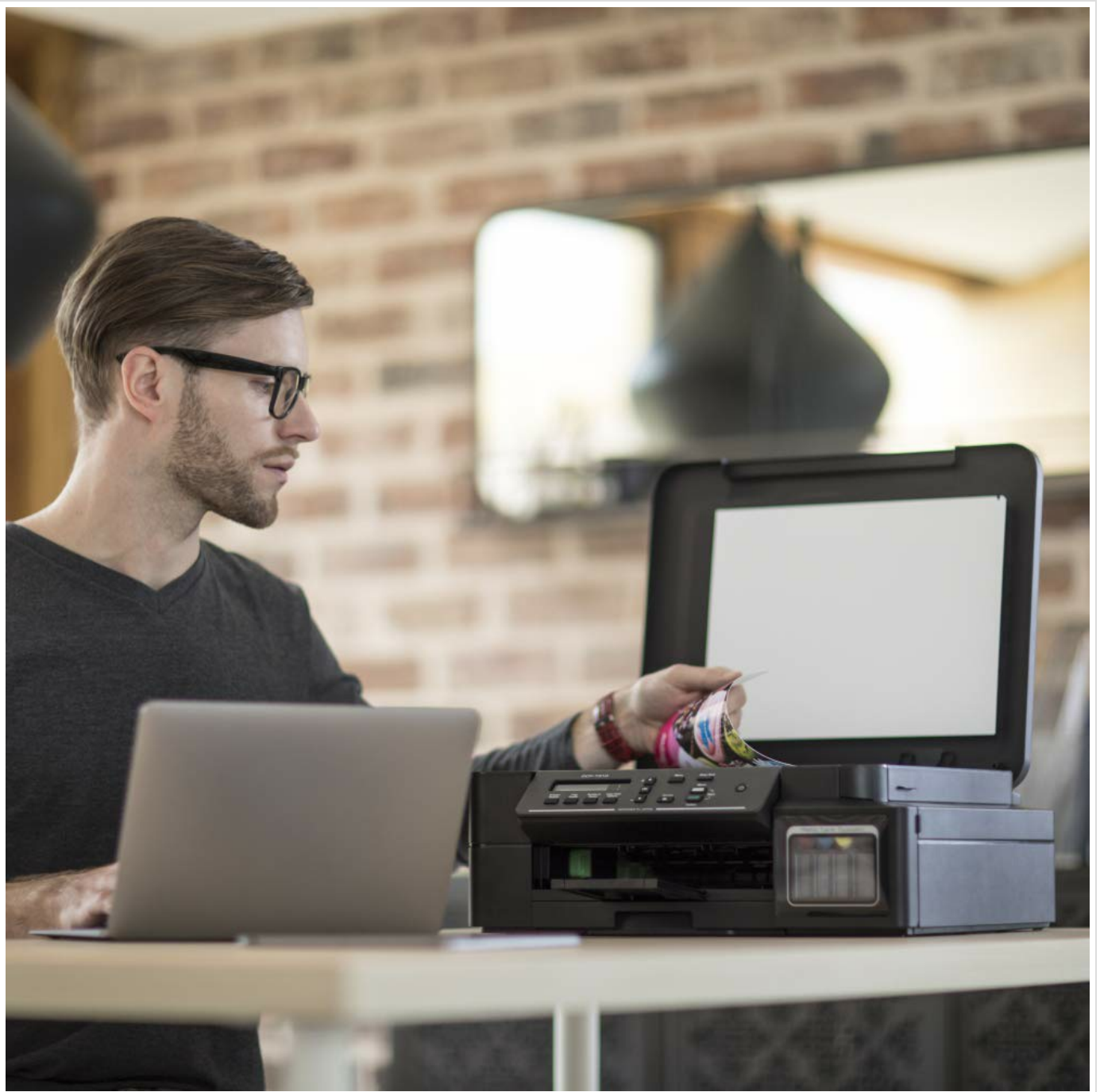


Figure 3: A user loading paper into the printer's input tray, demonstrating typical usage.

2. Scanning Documents

The integrated flatbed scanner allows you to digitize documents and images.

- Place the document face-down on the scanner glass.
- Use the printer's control panel or the installed scanning software on your computer to initiate the scan.
- Adjust scan settings such as resolution and color mode as needed.



Figure 4: A user preparing to scan a document, highlighting the flatbed scanner functionality.

3. Copying Documents

To make copies:

- Place the original document on the scanner glass.
- Use the control panel to select the number of copies and desired settings (e.g., color/mono, quality).
- Press the "Start" button to begin copying.

4. Mobile Printing

The DCP-T510W supports printing from smartphones and tablets via Wi-Fi connectivity. Download the Brother iPrint&Scan app for seamless mobile printing and scanning.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your printer.

- **Ink Refill:** Monitor ink levels regularly and refill tanks promptly using genuine Brother ink bottles to prevent air from entering the system.
- **Print Head Cleaning:** If print quality deteriorates (e.g., streaks, missing colors), perform a print head cleaning cycle through the printer's maintenance menu or software utility.
- **Roller Cleaning:** Clean the paper feed rollers periodically to prevent paper jams. Refer to the detailed user manual for specific instructions.
- **Exterior Cleaning:** Wipe the exterior of the printer with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents.

TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Printer Not Responding:**
 - Check power connections and ensure the printer is turned on.
 - Verify USB or Wi-Fi connection status.
 - Restart both the printer and your computer/device.
- **Poor Print Quality:**
 - Check ink levels and refill if necessary.
 - Perform a print head cleaning.
 - Ensure you are using appropriate paper type and quality settings.
- **Paper Jams:**
 - Turn off the printer and carefully remove any jammed paper following the instructions in the full user guide.
 - Ensure paper is loaded correctly and not creased or damaged.
- **Connectivity Issues:**
 - For Wi-Fi, ensure the printer is within range of your router and the network password is correct.
 - Try reconnecting the Wi-Fi or USB cable.

For more detailed troubleshooting steps, refer to the comprehensive user manual or contact Brother customer support.

SPECIFICATIONS

Key technical specifications for the Brother DCP-T510W InkTank Refill System Printer.



Figure 5: Dimensions of the Brother DCP-T510W printer for space planning.

Feature	Detail
Model Name	DCP-T510W
Printer Type	Ink Tank All-in-One (Print, Scan, Copy)
Connectivity	USB 2.0, Wi-Fi (802.11bgn), Wi-Fi Direct
Printer Output	Color
Max Print Speed (Mono)	27 ppm
Max Print Speed (Color)	10 ppm
Max Print Resolution	Up to 1200 x 6000 dpi
Scanner Type	Flatbed
Max Copy Resolution	Up to 1200 x 6000 dpi
Duplex Printing	Manual
Ink Bottles	BTD60BK (Black), BT5000 (C, M, Y)
Page Yield (Black)	13,000 pages
Page Yield (Color)	5,000 pages (each C, M, Y)
Max Input Sheet Capacity	150 sheets
Product Dimensions (D x W x H)	58.3D x 43.5W x 15.9H Centimeters

Feature	Detail
Item Weight	6 kg
RAM Size	128 MB
Power Source	220 - 240 V AC 50/60 Hz

WARRANTY AND SUPPORT

Your Brother DCP-T510W printer comes with comprehensive support and warranty coverage.

- **Warranty:** The product includes a 1-year On-Site warranty.
- **Customer Care:** For any issues, defects, or installation requests, please contact Brother Customer Care:
 - Toll-Free (for MTNL & BSNL): [1800222422](tel:1800222422)
 - Toll-Free (for others): [18002098904](tel:18002098904)

Timings: Monday to Friday from 8:30 am - 6:30 pm, Saturday from 9:00 am - 6:00 pm.

- **Installation Request:** After delivery, for installation, call Brother support using the numbers above and provide the product's model name (DCP-T510W) and seller's details from your invoice.

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This manual is for informational purposes only. Specifications are subject to change without notice.