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HP 178nw

HP Color Laser 178nw Multifunction Printer User Manual

Model: 178nw

Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your HP Color Laser 178nw Multifunction Printer. Designed for efficiency and ease of use, this printer offers affordable color laser printing with convenient mobile printing capabilities.



Figure 1: Front view of the HP Color Laser 178nw Multifunction Printer.

Package Contents

Verify that all components are present in the package:

- Printer - 1 unit
- Flyer - 4 units (documentation)

- USB Cable - 1 unit
- Power Cord - 1 unit

Setup

1. Unpacking and Placement

1. Carefully remove the printer from its packaging.
2. Remove all protective tapes and packing materials from the printer.
3. Place the printer on a stable, flat surface with adequate ventilation. Ensure there is enough space around the printer for proper operation and maintenance.



Figure 2: Angled view of the printer, showing its compact design.

2. Connecting the Printer

1. **Power Connection:** Connect the power cord to the printer and then to a grounded electrical outlet.
2. **USB Connection (Optional):** For a direct connection, connect one end of the USB cable to the printer's USB port and the other end to your computer.
3. **Ethernet Connection (Optional):** For wired network connectivity, connect an Ethernet cable to the printer's Ethernet port and to your network router/switch.

3. Loading Paper

1. Open the input tray.
2. Adjust the paper guides to the size of the paper you are loading.
3. Load paper into the input tray, ensuring it is flat and aligned. The maximum input sheet capacity is 150 sheets.

4. Software Installation and Wireless Setup

For full functionality, install the HP Smart app on your smartphone or tablet, or the printer drivers on your computer.

- **HP Smart App:** Download the HP Smart app from your device's app store. The app guides you through the

wireless setup process and allows for mobile printing and scanning.

- **Direct Wi-Fi:** The printer supports Direct Wi-Fi, allowing you to connect your smartphone or tablet directly to the printer without needing an existing network.
- **Driver Installation (for PC/Mac):** Visit the official HP support website for your printer model to download the latest drivers and software.

Operating the Printer

Control Panel Overview



Figure 3: Close-up of the printer's control panel with various buttons and indicators.

The control panel provides access to various printer functions. Refer to the on-screen display or the HP Smart app for detailed navigation.

Printing

- **From a Computer:** Select "Print" from your application, choose the HP Color Laser 178nw, and adjust settings as needed (e.g., color, paper type).
- **From a Mobile Device:** Use the HP Smart app to select documents or photos for printing.
- **Supported Media:** A4, A5, A6, B5 (JIS), Oficio. Plain, Light, Heavy, Extra Heavy, Coloured, Preprinted, Recycle, Labels, Bond, Glossy.
- **Print Speed:** Up to 18 ppm (black), 4 ppm (color) for A4.
- **Duplex Printing:** This model supports manual duplex printing. Follow prompts on your computer or the HP Smart app to flip pages for two-sided printing.

Copying

1. Place the document face-down on the scanner glass or face-up in the automatic document feeder (if available).
2. On the control panel, select the copy function.
3. Adjust settings such as number of copies, color/black & white, and quality.
4. Press the Start button to begin copying.

Max Copy Speed (Black and White): 18 ppm.

Scanning

- **Using HP Smart App:** Open the HP Smart app, select "Scan," choose your scan source (document feeder or flatbed), and adjust settings. You can share scanned documents to cloud services like Dropbox and Google Drive.
- **From Computer:** Use the HP Scan software installed with the printer drivers.
- **Scanner Type:** Sheetfed.

Maintenance

Toner Cartridge Replacement

When a toner cartridge is low or empty, the printer will indicate this. Replace cartridges with genuine HP toner cartridges for optimal performance and print quality. The printer uses cyan, magenta, yellow, and black toner cartridges.

1. Open the toner access door.
2. Remove the old toner cartridge by pulling it straight out.
3. Unpack the new toner cartridge and gently shake it to distribute the toner.
4. Insert the new cartridge into its corresponding slot until it clicks into place.
5. Close the toner access door.

Cleaning the Printer

- **Exterior:** Wipe the exterior of the printer with a soft, lint-free cloth.
- **Scanner Glass:** Use a soft cloth dampened with glass cleaner (non-abrasive) to clean the scanner glass.
- **Internal Cleaning:** Refer to the HP Smart app or printer software for options to perform internal cleaning cycles if print quality issues arise.

Troubleshooting

This section addresses common issues you might encounter with your HP Color Laser 178nw printer.

Problem	Possible Cause	Solution
Printer not responding	Power off, cable disconnected, network issue, driver issue.	Ensure printer is powered on and cables are securely connected. Check network connection (Wi-Fi or Ethernet). Restart the printer and computer. Reinstall printer drivers if necessary.
Poor print quality	Low toner, incorrect paper type, clogged print path.	Check toner levels and replace if low. Ensure correct paper type is selected in print settings. Perform a cleaning cycle through the printer software.

Problem	Possible Cause	Solution
Paper jams	Improper paper loading, foreign objects, worn rollers.	Remove all jammed paper carefully, following printer instructions. Ensure paper is loaded correctly and not overfilled. Remove any foreign objects from the paper path.
Wi-Fi connection issues	Incorrect password, out of range, router issues.	Verify Wi-Fi password. Move printer closer to the router. Restart router and printer. Use HP Smart app for guided wireless setup.

For more detailed troubleshooting, refer to the HP support website or the HP Smart app.

SPECIFICATIONS



Figure 4: Dimensions of the HP Color Laser 178nw Multifunction Printer.

Feature	Detail
Model Name	178nw
Functions	Print, Copy, Scan
Printing Technology	Laser

Feature	Detail
Printer Output	Colour
Max Print Speed (Monochrome)	19 ppm
Max Print Speed (Colour)	4 ppm
Max Copy Speed (Black and White)	18 ppm
Scanner Type	Sheetfed
Connectivity Technology	Wi-Fi, Ethernet, USB 2.0
Wireless Capabilities	Wi-Fi, Direct Wi-Fi
Compatible Devices	Smartphones, Tablets, PC
Operating System Compatibility	Windows (7, 8, 8.1, 10, Server), macOS (v10.12-v10.14)
Max Input Sheet Capacity	150 sheets
Duplex Printing	Manual
Product Dimensions (D x W x H)	47D x 47W x 40H Centimeters
Item Weight	13 kg
Ink Colour	Cyan, Magenta, Yellow, Black
Duty Cycle	20,000 Pages (Maximum)

Warranty and Support

Warranty Information

The HP Color Laser 178nw Multifunction Printer comes with a standard HP Onsite 1-year warranty. Additional warranty packs (3-year and 5-year) are available for purchase to extend your coverage.

Customer Support

For technical assistance, driver downloads, or further information, please visit the official HP support website or contact HP customer service. Keep your product model number (178nw) and serial number ready when contacting support. You can also utilize the HP Smart app for guided support, troubleshooting, and access to online resources.

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