HP M553n

HP Color LaserJet Enterprise M553n Printer User Manual

Model: M553n

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your HP Color LaserJet Enterprise M553n printer. Designed for high-speed performance and brilliant color output, this printer is suitable for business environments requiring professional-quality documents and graphics.

The HP Color LaserJet Enterprise M553n incorporates HP JetIntelligence toner technology for optimal performance and efficiency. It also features advanced security solutions to protect sensitive business data.

2. UNBOXING AND SETUP

2.1 Package Contents

Verify that all items are present in the printer packaging:

- HP Color LaserJet Enterprise M553n Printer
- Four preinstalled HP LaserJet toner cartridges (Black, Cyan, Magenta, Yellow)
- Toner collection unit
- In-box documentation
- Software CD
- Power Cord
- 100-sheet multipurpose tray 1
- 550-sheet input tray 2

2.2 Initial Printer Setup

1. **Placement:** Position the printer on a stable, level surface with adequate ventilation. Ensure easy access to power outlets and network connections.

2. **Connect Power:** Connect the power cord to the printer and then to a grounded electrical outlet.

3. **Network Connection:** For network printing, connect an Ethernet cable from your network router or switch to the Ethernet port on the back of the printer.

4. **Load Paper:** Load paper into the 100-sheet multipurpose tray 1 or the 550-sheet input tray 2. Adjust the

paper guides to fit the paper size.

5. **Power On:** Press the power button to turn on the printer. Follow the on-screen instructions on the control panel for initial setup, including language and network settings.

6. **Software Installation:** Insert the provided Software CD into your computer or download the latest drivers and software from the official HP support website. Follow the on-screen prompts to complete the installation.

Figure 1: Front view of the HP Color LaserJet Enterprise M553n printer.

Figure 2: Rear view of the printer showing the power and network connection ports.

3. OPERATING INSTRUCTIONS

3.1 Basic Printing

To print a document, ensure the printer is powered on and connected to your computer or network. Select the print option from your application, choose the HP Color LaserJet Enterprise M553n, and adjust settings as needed (e.g., paper size, color/monochrome, number of copies). The printer offers print speeds of up to 40 pages per minute and a fast First Page Out Time of 8.5 seconds.

3.2 Mobile Printing

The HP Color LaserJet Enterprise M553n supports easy mobile printing from a variety of smartphones and tablets. In most cases, no special setup or apps are required. Ensure your mobile device is connected to the same network as the printer, then use your device's print function to send documents directly to the printer.

3.3 Control Panel Usage

The printer features an intuitive control panel for managing print jobs, checking printer status, and configuring settings. Use the touch screen and physical buttons to navigate menus and make selections.

Figure 3: Close-up of the printer's control panel, showing a USB drive inserted for direct printing.

3.4 Duplex Printing

The M553n model supports manual duplex (two-sided) printing. To utilize this feature, you will typically print one side of the pages, then manually reinsert the stack into the input tray as prompted by the printer or software to print the second side.

4. MAINTENANCE

4.1 Toner Cartridge Replacement

The printer uses original HP 508a/508x toner cartridges. When a cartridge is low or empty, the control panel will display a notification. To replace a cartridge:

1. Open the front access door of the printer.
2. Pull out the used toner cartridge by its handle.
3. Unpack the new HP 508a/508x toner cartridge.
4. Gently shake the new cartridge to distribute the toner.
5. Insert the new cartridge into the corresponding slot until it clicks into place.
6. Close the front access door.

Using original HP toner cartridges helps prevent reprints, wasted supplies, and service calls, ensuring consistent print quality.

4.2 Energy Efficiency

The HP Color LaserJet Enterprise M553n is designed for low energy consumption, thanks to smart, media-sensing technology and specially formulated toner. To optimize energy use, ensure the printer is set to automatically enter sleep mode when not in use.

5. TROUBLESHOOTING

If you encounter issues with your printer, consider the following basic troubleshooting steps:

- **Check Connections:** Ensure all power and network cables are securely connected.
- **Power Cycle:** Turn the printer off, wait 10-15 seconds, then turn it back on.
- **Paper Jams:** Follow on-screen instructions or consult the printer's internal guides to clear any paper jams.
- **Toner Levels:** Check toner levels via the control panel or printer software. Replace cartridges as needed.
- **Network Connectivity:** Verify your computer or mobile device is connected to the correct network and that the printer has a valid IP address.
- **Security Features:** The printer includes HP JetAdvantage security solutions, HP Sure Start, whitelisting, and intrusion detection. If you suspect a security-related issue, consult your IT administrator or HP support.

For more detailed troubleshooting, refer to the HP support website or the printer's internal help system.

6. SPECIFICATIONS

Feature	Specification
Model Number	M553n
Product Dimensions	20"D x 18"W x 15.8"H
Item Weight	59.5 pounds
Printing Technology	Laser
Printer Output	Color
Maximum Print Speed (Color)	40 ppm
Max Printspeed Monochrome	40 ppm
Maximum Color Print Resolution	1200 x 1200 dpi
Maximum Black and White Print Resolution	1200 dpi
Duplex Printing	Manual
Connectivity Technology	Ethernet, USB 2.0
Compatible Devices	Smartphones (Android, iOS)
Maximum Media Size	8.5 x 14 inch
Max Input Sheet Capacity	650
Output Sheet Capacity	250
Power Consumption	610 Watts
Memory Storage Capacity	1 GB

7. Product Overview Video

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Video 1: An overview of the HP LaserJet Enterprise M553n printer, highlighting its security features, performance, energy efficiency, and toner technology. This video demonstrates key benefits and operational aspects of the printer.

8. Warranty and Support

The HP Color LaserJet Enterprise M553n printer comes with a one-year onsite warranty. For technical assistance, troubleshooting, and warranty claims, HP provides 24-hour, 7 days a week free web support.

For further support and to access detailed documentation, drivers, and contact information, please visit the official HP support website: support.hp.com