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Wasp WPL308

Wasp WPL308 Desktop Barcode Printer Instruction Manual

Model: WPL308 | Brand: Wasp

PRODUCT OVERVIEW

The Wasp WPL308 Desktop barcode printer is a versatile medium-duty barcode printer designed for various printing applications. It features a durable double-wall clamshell design and a 3.5-inch color TFT display with a real-time clock. This printer supports both thermal transfer and direct thermal printing methods, achieving print speeds of up to 8 inches per second at a 203 DPI resolution. It is equipped with 128 MB Flash memory and 128 MB SDRAM, suitable for producing high-volume 4x6 shipping labels, high-resolution product marking, and graphic solutions, including labels for electronics marking applications.

Standard connectivity options include USB 2.0, USB-A Host, 10/100 Mbps Ethernet, and Serial interfaces. An optional 802.11a/b/g/n Wi-Fi interface is also available.



Image: The Wasp WPL308 Desktop Barcode Printer, showcasing its compact design and front-facing label output.

KEY FEATURES

- Up to 203 mm (8 in) per sec. print speed

- 128 MB Flash memory and 128 MB SDRAM memory
- microSD Flash memory expansion up to 32 GB
- User-friendly clamshell design
- Serial, internal Ethernet USB 2.0 & USB host interfaces standard
- 3.5 inches TFT Display
- Label capacity up to 127 mm (5 inches) OD
- Ribbon capacity up to 300 m (984 feet)
- WPL firmware for plug-n-play ease
- ENERGY STAR® qualified

PACKAGE CONTENTS

Before beginning installation, please verify that all items are present and undamaged:

- Wasp WPL308 Barcode Printer
- 203 dpi Thermal Printhead (pre-installed)
- Power Cable



Image: The Wasp WPL308 printer with its clamshell cover open, revealing the internal mechanism for loading a roll of labels.

SETUP GUIDE

1. **Unpacking:** Carefully remove the printer and all accessories from the packaging. Retain the packaging for future transport or storage.
2. **Power Connection:** Connect the provided power cable to the printer's power input port and then to a suitable electrical outlet.
3. **Data Connection:** Connect the printer to your computer or network using a USB, Ethernet, or Serial cable as required by your setup. Ensure the cable is securely connected to both the printer and the host device.
4. **Driver Installation:** Install the necessary printer drivers and software from the manufacturer's website or any included media. Follow the on-screen instructions for a complete installation.
5. **Loading Media:** Open the printer's clamshell cover. Load the label roll onto the media supply spindle, ensuring it

feeds smoothly through the guides and under the printhead. For thermal transfer printing, install the ribbon according to the printer's internal diagrams, ensuring it is taut and correctly aligned. Close the cover securely.

OPERATION

Once the printer is set up and connected, power it on. The 3.5-inch color TFT display will illuminate, showing the printer's status and menu options. Use the display and control buttons to navigate settings, perform calibrations, and monitor print jobs. Ensure your labels and ribbon (if applicable) are correctly loaded and aligned before sending print commands. Initiate print jobs from your computer application, ensuring the WPL308 is selected as the target printer.

MAINTENANCE

Regular maintenance is crucial for extending the life of your WPL308 printer and ensuring consistent print quality.

- **Printhead Cleaning:** Use a lint-free cloth lightly dampened with isopropyl alcohol to gently wipe the printhead surface. Perform this cleaning regularly, especially after replacing a roll of labels or ribbon.
- **Platen Roller Cleaning:** Clean the platen roller with isopropyl alcohol to remove any adhesive or dust buildup. Rotate the roller manually to clean the entire surface.
- **General Cleaning:** Periodically clean the exterior and interior of the printer with a soft, dry cloth to remove dust and debris. Avoid using abrasive cleaners or solvents.
- **Replacing Supplies:** Replace label rolls and ribbons as they are depleted. Always use Wasp-approved supplies for optimal performance and to prevent damage to the printer.

TROUBLESHOOTING COMMON ISSUES

- **Printer Not Responding:** Check that the power cable is securely connected and the printer is powered on. Verify that the data cable (USB, Ethernet, Serial) is properly connected to both the printer and the computer/network. Ensure printer drivers are correctly installed and updated.
- **Poor Print Quality:** Clean the printhead as described in the Maintenance section. Verify that the labels and ribbon (if used) are compatible with the printer and are loaded correctly. Adjust print darkness settings if necessary.
- **Labels Not Feeding Correctly:** Ensure the label roll is properly seated on the media supply spindle and that labels are threaded correctly through the guides. Check for any obstructions in the label path.
- **Error Messages on Display:** Refer to the printer's 3.5-inch TFT display for specific error codes or messages. Consult the Wasp support website or the full user manual for detailed explanations and solutions for each error.

TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	Wasp
Model Name	WPL308 Barcode Printer
Printing Technology	Thermal (Direct Thermal/Thermal Transfer)
Maximum Print Speed (Monochrome)	8 inches per second (203 mm/s)
Product Dimensions	13.1 x 8.9 x 7.8 inches
Item Weight	8.27 pounds




Specification	Detail
Memory Storage Capacity	128 MB Flash, 128 MB SDRAM
Hardware Interface	Ethernet, Serial Interface, USB
Connectivity Technology	Networkable, USB
Included Components	203 dpi Thermal Printhead, WPL308 Power Cable
Print Media	Labels
Special Feature	Energy Star Qualified




WARRANTY AND SUPPORT

The Wasp WPL308 printer includes a 2-year manufacturer's warranty that covers material defects. For enhanced protection and coverage beyond the standard warranty, WaspProtect extended service plans are available, which can also cover accidental breakage.

For technical assistance, troubleshooting, or to inquire about warranty claims and WaspProtect plans, please contact Wasp Barcode Technologies customer service. Visit the official Wasp Barcode Technologies website for the most current support information and contact details.

Related Documents - WPL308

 <p>WASP PROTECT</p> <p>Wasp Barcode Technologies, Inc. (Wasp) is a leading provider of barcode and data capture solutions for a wide range of industries. Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p> <p>Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p> <p>Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p>	<p>Wasp Printer Driver Installation and Calibration Guide</p> <p>A comprehensive guide detailing the installation and calibration process for Wasp WPL series label printers, including steps for using the Diagnostic Tool and adjusting driver settings for optimal performance.</p>
 <p>WASP PROTECT</p> <p>Wasp Barcode Technologies, Inc. (Wasp) is a leading provider of barcode and data capture solutions for a wide range of industries. Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p> <p>Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p> <p>Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p>	<p>Wasp Printer Driver and Calibration Guide</p> <p>Comprehensive guide for installing the Windows print driver for Wasp WPL Label Printers and calibrating the printer using the Diag Tool. Includes steps for changing driver settings and a list of supported models.</p>
 <p>WPL406</p> <p>Wasp Barcode Technologies, Inc. (Wasp) is a leading provider of barcode and data capture solutions for a wide range of industries. Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p> <p>Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p> <p>Wasp's products and services are designed to help businesses streamline their operations and improve their bottom line.</p>	<p>Wasp WPL406 Industrial Thermal Label Printer User Manual</p> <p>Comprehensive user manual for the Wasp WPL406 industrial thermal label printer. Covers product features, specifications, setup, operation, media and ribbon installation, LCD menu functions, diagnostics, troubleshooting, and maintenance.</p>

	<p>Wasp WPL305 Printer Resources and User Guide</p> <p>Comprehensive resources for the Wasp WPL305 label printer, including driver downloads, diagnostic tools, user manuals, and detailed instructions for loading labels and ribbons.</p>
	<p>Wasp Printer Manuals, Guides, and Resources</p> <p>Access a comprehensive collection of user manuals, programming reference guides, quick reference guides, and quick start guides for a wide array of Wasp barcode printers. This resource includes documentation for models such as WPL-4MB, WHC25, WPL205, WPL304, WPL406, WPL614, and many others, providing essential information for setup, operation, and troubleshooting.</p>
	<p>Wasp Labeler Installation: Resolve Demo Mode Issue When Run as Admin</p> <p>Learn how to fix Wasp Labeler running in Demo mode after installation when launched by a standard user. This guide provides steps to grant necessary file and registry permissions for proper operation.</p>