Intermec PB51B33004100

Intermec PB51 Mobile Receipt Printer User Manual

Model: PB51B33004100

INTRODUCTION

The Intermec PB51 is a rugged, 4-inch direct thermal mobile receipt printer designed for demanding field service, route accounting, and point-of-service applications. It offers fast, reliable printing performance to enhance productivity for mobile workers.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your PB51 printer.

Figure 1: Front view of the Intermec PB51 mobile receipt printer. A receipt is partially ejected from the front slot, displaying "Transaction Receipt", "Transaction #: 4530902261009", "Customer #: 057-806-730", and "Date: 2/26/2009 Time: 12:08:43 PM". The printer features a dark gray casing with a blue button on the left side and the "Intermec PB51" logo on the top panel.

SETUP

1. Unpacking and Inspection

- Carefully remove the printer and all accessories from the packaging.
- Verify that all components listed in the packing slip are present.
- Inspect the printer for any visible damage. If damage is found, contact your supplier immediately.

2. Battery Installation and Charging

1. Ensure the printer is powered off.
2. Locate the battery compartment on the printer.
3. Insert the battery, ensuring proper alignment with the contacts.

4. Close the battery compartment securely.

5. Connect the AC adapter to the printer and a power outlet. The battery indicator light will show charging status. Allow the battery to fully charge before first use.

3. Loading Thermal Paper

1. Open the paper compartment cover.

2. Insert the thermal paper roll with the print-side facing the print head.

3. Pull a small amount of paper out past the print mechanism.

4. Close the paper compartment cover firmly until it latches.

5. The printer's paper sensors will detect the paper, minimizing lost transactions.

4. Connectivity Setup (Bluetooth / USB / Serial)

- **Bluetooth:** Turn on the printer and enable Bluetooth on your host device (e.g., smartphone, tablet, or computer). Search for available devices and select the PB51. Pair using the default PIN (refer to the printer's display or documentation for the specific PIN).

- **USB:** Connect the printer to your host device using a standard USB cable. Install the necessary printer drivers on your host device if prompted.

- **Serial:** Connect the printer to your host device using a serial cable. Configure the serial port settings (baud rate, data bits, parity, stop bits) on both the printer and the host device to match.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To power on, press and hold the power button until the display illuminates.

- To power off, press and hold the power button until the display indicates shutdown, then release.

2. Printing a Receipt

1. Ensure the printer is powered on and connected to your host device.

2. Open the application on your host device that generates receipts or invoices.

3. Initiate the print command from your application. The PB51 is designed for 20-30% faster time-to-receipt printing.

4. The printer will automatically feed and print the receipt.

5. Tear off the receipt along the serrated edge.

3. Using the LCD Display

The standard LCD display provides important information about the printer's status, battery level, connectivity, and error messages. Use the navigation buttons (if present) to scroll through menu options and settings.

MAINTENANCE

1. Cleaning the Print Head

- Power off the printer and disconnect it from any power source.

- Open the paper compartment.

- Gently wipe the print head surface with a lint-free cloth dampened with isopropyl alcohol.

- Allow the print head to dry completely before closing the cover and powering on the printer.

- Perform this cleaning regularly, especially if print quality degrades.

2. Battery Care

- To maximize battery life, avoid fully discharging the battery frequently.
- Store the printer and battery in a cool, dry place when not in use for extended periods.
- Use only genuine Intermec replacement batteries.

3. General Cleaning

Wipe the exterior of the printer with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no liquid enters the printer's openings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Printer not powering on	Low or dead battery; faulty power adapter; loose battery connection.	Charge the battery; check power adapter connection; re-seat the battery.
No print output	No paper; paper loaded incorrectly; connectivity issue; print head dirty.	Load paper correctly; check Bluetooth/USB/Serial connection; clean print head.
Poor print quality	Dirty print head; incorrect paper type; low battery.	Clean print head; ensure thermal paper is used; charge battery.
Connectivity issues	Incorrect pairing; driver issues; out of range.	Re-pair Bluetooth; reinstall drivers; move closer to host device.

If the problem persists after attempting these solutions, please contact Intermec customer support.

SPECIFICATIONS

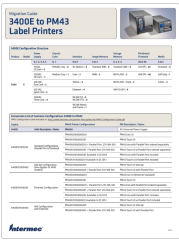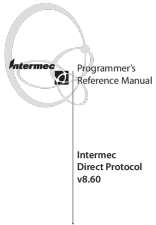| Feature	Detail
Model Name	PB51B33004100
Printing Technology	Direct Thermal
Printer Output	Monochrome
Maximum Media Size	4 inches
Connectivity Technology	USB, Serial, Bluetooth
Item Weight	42 Ounces (approx. 2.63 lbs)
Package Dimensions	10.2 x 10 x 5 inches
Controller Type	Android (compatible)
Manufacturer	Intermec

WARRANTY AND SUPPORT

Specific warranty information for the Intermec PB51 printer is not available in this document. Please refer to the warranty card included with your product or visit the official Intermec (now Honeywell) website for detailed warranty terms and conditions.

For technical support, service, or to purchase accessories, please contact your authorized Intermec/Honeywell dealer or visit their official support portal.

Related Documents - PB51B33004100

	[Intermec PB Rugged Mobile Printer Family Accessory Guide](#) Accessory guide for the Intermec PB Rugged Mobile Printer Family, detailing docks, mounting kits, cases, belts, straps, batteries, chargers, power supplies, cables, data cables, and media accessories compatible with PB21, PB22, PB31, PB32, PB50, and PB51 models.
	[Intermec PB22 and PB32 Mobile Label and Receipt Printer User Guide](#) Comprehensive user guide for the Intermec PB22 and PB32 mobile label and receipt printers. Learn about features, setup, configuration, operation, maintenance, and troubleshooting for these rugged devices.
	[Intermec Printer Language (IPL) Developer's Guide](#) A comprehensive guide for developers on using Intermec Printer Language (IPL) for programming Intermec printers, covering label design, command syntax, fonts, graphics, and troubleshooting.
	[Intermec 3400E to PM43 Label Printer Migration Guide](#) Guide for migrating from Intermec 3400E to PM43 label printers, detailing configuration structures and conversion paths. Includes technical specifications and compatibility information.

[Intermec Direct Protocol v8.60 Programmer's Reference Manual](#)
A comprehensive guide to the Intermec Direct Protocol v8.60, detailing its use for creating label layouts and sending formatting instructions for Intermec printers like the EasyCoder PF2i, PF4i, PM4i, PX4i, and PX6i.

[Intermec Industrial, Mobile, and Desktop Printers Selection Guide](#)
This Intermec Printers Selection Guide provides a quick reference for industrial, mobile, and desktop printers, detailing specifications, features, and applications to help users choose the optimal printing solution.