Datalogic PM8300-910

Datalogic Powerscan PM8300 Wireless Bar Code Reader User Manual

Model: PM8300-910

1. Introduction

This manual provides comprehensive instructions for the Datalogic Powerscan PM8300 Wireless Bar Code Reader. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. The Powerscan PM8300 is a high-performance industrial handheld scanner designed for demanding applications, offering robust wireless communication and superior scanning capabilities.

2. Safety Information

Please read all safety warnings and instructions carefully before using the device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to severe impact.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Use only Datalogic approved accessories and power supplies.
- Keep the device away from water and other liquids.
- Do not stare directly into the scanner's light source.

3. Package Contents

Verify that all items are present and in good condition upon opening the package:

- Datalogic Powerscan PM8300 Bar Code Reader
- USB Cable
- Rechargeable Battery (pre-installed or separate)
- Quick Start Guide
- Safety and Regulatory Addendum

4. Product Overview

The Datalogic Powerscan PM8300 is a robust handheld bar code reader designed for industrial environments. Its ergonomic design ensures comfortable use during extended periods.



Figure 4.1: Datalogic Powerscan PM8300 Wireless Bar Code Reader. This image displays the handheld scanner with its distinctive black and yellow casing, featuring the scanning window at the top and the trigger button on the handle.

Key Components:

- **Scanning Window:** Area through which the laser beam is projected and reflected.
- **Trigger Button:** Activates the scanning process.
- **LED Indicators:** Provide feedback on scanning status, battery level, and connectivity.
- **Battery Compartment:** Houses the rechargeable battery.
- **Communication Port:** For connecting the USB cable to a host device or charging cradle.

5. Setup

5.1 Charging the Battery

1. Ensure the battery is properly seated in the battery compartment.
2. Connect the USB cable to the communication port on the scanner.
3. Plug the other end of the USB cable into a powered USB port on your computer or a compatible USB wall adapter.
4. The charging LED indicator will illuminate, typically amber, during charging and turn green when fully charged. Allow approximately 4 hours for a full charge.

5.2 Connecting to a Host Device

The Powerscan PM8300 connects wirelessly to its base station, which then connects to your host device (e.g., computer, POS system) via a USB cable.

1. Connect the base station to your host device using the provided USB cable.
2. Ensure the base station is powered on (if applicable).
3. Place the Powerscan PM8300 scanner into the base station's cradle or follow the pairing instructions in the Quick Start Guide to establish a wireless connection. The scanner will typically beep and its LED will indicate a successful connection.
4. The host device should automatically recognize the scanner as a keyboard wedge device. No special drivers are usually required for basic operation.

6. Operating Instructions

6.1 Basic Scanning

1. Ensure the scanner is powered on and connected to the host device.
2. Point the scanning window at the bar code you wish to scan.
3. Press and hold the trigger button. A laser line or aiming pattern will appear.

4. Position the scanner so that the laser line crosses the entire bar code.
5. Once the bar code is successfully read, the scanner will emit a beep and the LED indicator will flash green. The decoded data will be transmitted to your host device.
6. Release the trigger button.

6.2 Advanced Features (Refer to Full Manual)

For advanced configurations such as symbology enabling/disabling, data formatting, or specific application modes, please refer to the comprehensive Datalogic Powerscan PM8300 Reference Manual available on the Datalogic website. These features are typically configured by scanning specific programming bar codes.

7. Maintenance

7.1 Cleaning the Device

Regular cleaning helps maintain optimal performance and extends the life of your scanner.

- **Exterior:** Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive cleaner. Do not use harsh chemicals or abrasive materials.
- **Scanning Window:** Gently wipe the scanning window with a clean, soft, lint-free cloth. For stubborn smudges, use a lens cleaning solution designed for optical surfaces. Avoid scratching the window.
- Ensure the device is powered off and disconnected from any power source before cleaning.

7.2 Battery Care

- To maximize battery life, avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use for extended periods.
- If the battery performance significantly degrades, it may need to be replaced. Use only genuine Datalogic replacement batteries.

8. Troubleshooting

This section addresses common issues you might encounter with your Powerscan PM8300.

Problem	Possible Cause	Solution
Scanner does not power on.	Battery is discharged or not properly inserted.	Charge the battery. Ensure the battery is correctly seated in its compartment.
Scanner does not read bar codes.	Bar code damaged, poor print quality, or incorrect symbology enabled.	Ensure bar code is clear and undamaged. Try scanning a different bar code. Check scanner configuration for enabled symbologies (refer to full manual).
No data transmitted to host.	Wireless connection lost or USB cable disconnected.	Verify the scanner is paired with its base station. Check USB cable connection between base station and host device. Restart host device.
Scanner beeps continuously.	Error condition or low battery.	Check LED indicators for error codes. Charge the battery. Refer to the full manual for specific beep codes.

9. Specifications

Technical specifications for the Datalogic Powerscan PM8300:

Feature	Detail
Product Dimensions	2.72 x 4.49 x 8.15 inches
Item Weight	13.9 ounces
Model Number	PM8300-910
Manufacturer	DATALOGIC
Compatible Devices	Laptop, Desktop
Power Source	Battery Powered
Brand	Datalogic
Connectivity Technology	USB Cable (for base station)
Specification Met	RoHS

10. Warranty and Support

For detailed warranty information, including terms and conditions, please refer to the warranty card included with your product or visit the official Datalogic website. Datalogic provides technical support for its products.

Contacting Support:

If you encounter issues not covered in this manual or require further assistance, please visit the Datalogic support portal or contact their customer service department. Contact information can typically be found on the Datalogic website (www.datalogic.com).

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Example: How do I reset this device or fix this error?

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