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## Washin WS-P323B

# User Manual for Washin WS-P323B Mobile Printer

Dual-Use Thermal Printer for Labels and Receipts

## 1. INTRODUCTION

Thank you for purchasing the Washin WS-P323B Mobile Printer. This versatile thermal printer is designed for both label and receipt printing, offering portability and ease of use for various applications, including food display labels, expiry dates, price tags, product management, POS systems, and mobile sales. This manual provides essential information for the safe and efficient operation of your printer.



Figure 1: Washin WS-P323B Mobile Printer. This image shows the compact, light gray and white printer from a slightly elevated angle, highlighting its top paper compartment and control panel with power and menu buttons.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before using the printer to prevent injury or damage to the device.

- Do not expose the printer to water or excessive humidity.
- Avoid dropping the printer or subjecting it to strong impacts.
- Use only the specified power adapter (DC 5V/2A) for charging.
- Do not attempt to disassemble or repair the printer yourself. Contact qualified service personnel.
- Keep the printer away from heat sources and direct sunlight.
- Ensure proper ventilation during operation and charging.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Washin WS-P323B Mobile Printer x 1
- USB-TYPE-C Cable x 1
- Test Label Paper Roll x 1
- User Manual x 1 (This document)
- Partition for paper width adjustment x 2
- Driver CD x 2

### 4. SETUP GUIDE

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#### 4.1 Charging the Battery

Before first use, fully charge the printer's built-in 2,500 mAh Lithium Ion battery. Connect the provided USB-TYPE-C cable to the printer's charging port and plug the other end into a compatible USB power adapter (DC 5V/2A). The charging indicator light will show the charging status.



Figure 2: Long-lasting battery for portability. This image illustrates the printer's internal battery and its charging capability, emphasizing its suitability for mobile use.

#### 4.2 Loading Paper

The printer supports continuous paper, gap labels, black mark labels, and receipts. The maximum paper diameter is 50mm. For label printing, the width can be adjusted from 20mm to 80mm using the included partitions. For receipt printing, it supports 58mm and 80mm widths.

1. Open the paper compartment cover.
2. If printing labels, insert the appropriate partitions to match your label width.

3. Place the paper roll into the compartment, ensuring the paper feeds out from the top.
4. Pull a small amount of paper out past the print head.
5. Close the paper compartment cover firmly.



Figure 3: Paper roll compartment and screen. This image shows the printer's open paper compartment, highlighting the partition slots for adjustable paper width and the clear display screen.

### 4.3 Driver Installation and Software

The printer supports Windows, Mac OS, and Linux for PC connections, and Bluetooth for Android and iOS devices.

- **Windows:** Install drivers from the included CD. BarTender Ultralite software is provided for label editing.
- **Mac OS:** Drivers are available for download from the manufacturer's website.
- **Android (Label Printing):** Download and use the "4Barcode Edit" application.
- **Android (Receipt Printing):** Download and use the "Loyverse POS" application.
- **iOS (Label Printing):** Use the "Xprinter" application.
- **iOS (Receipt Printing):** Loyverse iOS version is not supported.

## アプリご紹介



Bluetooth接続可能



ラベル編集印刷

iOS : Xprinter

Android : 4 Barcode Edit



レシート印刷

android版

ロイバース

Figure 4: App compatibility for label and receipt printing. This image displays various mobile devices and a laptop, illustrating the printer's compatibility with different operating systems and recommended applications for both label and receipt printing.

## チェックポイント

PCからも印刷可能！

ラベル・レシート共にWindows、Mac OSはドライバー有り

※Android OSはレシートドライバーのみインストール可能となります  
※接続印刷可能、スマホ・タブレット端末、もしくはアプリなど、不明な場合お問い合わせ下さい！

Figure 5: PC and mobile device compatibility. This image shows the printer's connectivity options, including USB for Windows and Mac OS, and Bluetooth for Android and iOS devices, emphasizing broad compatibility.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

Press and hold the power button ( ) located on the control panel to turn the printer on or off. The display screen will illuminate upon power-on.

### 5.2 Connecting to Devices

- **Bluetooth Connection (Smartphones/Tablets):**
  - a. Ensure Bluetooth is enabled on your mobile device.
  - b. Turn on the printer.
  - c. Search for available Bluetooth devices on your phone/tablet. The printer will appear as "WS-P323B" or similar.
  - d. Pair with the printer. If prompted for a PIN, try "0000" or "1234".
  - e. Open the compatible printing application (e.g., 4Barcode Edit, Xprinter, Loyverse) and select the printer.



Figure 6: Bluetooth connectivity for mobile devices. This image shows a person interacting with a smartphone, illustrating the wireless Bluetooth connection capability of the printer for mobile printing.

• **USB Connection (PC):**

- a. Connect the USB-TYPE-C cable from the printer to your PC.
- b. Ensure the printer drivers are installed on your PC.
- c. Select the printer from your printing software or system settings.



Figure 7: Thermal head and USB port. This image provides a close-up view of the printer's thermal print head and the USB-C port, indicating its wired connectivity option.

### 5.3 Switching Printing Modes (Label/Receipt)

The WS-P323B can switch between label printing mode and receipt printing mode via the printer's menu.

1. Press the Menu button (≡) to access the main menu.
2. Navigate to "Settings" then "Print settings".
3. Select "Driving mode" and choose between "Hand mode (Receipt mode)" or "Label mode".
4. Confirm your selection.



Figure 8: Printer buttons and menu functions. This image details the printer's control panel, showing the power, menu, and feed buttons, and explaining their functions for navigating settings like print intensity, speed, and mode switching.

### 5.4 Printing Applications

The printer is compatible with various applications for different printing needs:

- **Label Printing:** Ideal for food display labels, expiry dates, price tags, product management, and component display.

## ラベル印刷モード



プリンターのモードを切り替えて  
食品・賞味期限・医薬品・商品・配送などの  
スマホ・タブレット用のアプリ  
もしくは、PCからラベルが印刷可能となります。

Figure 9: Label printing applications. This image showcases diverse scenarios where the printer can be used for label printing, including food packaging, laboratory settings, and shipping/logistics.



Figure 10: Label editing and printing app interface. This image displays screenshots of a mobile application for label editing, showing options for creating barcodes, QR codes, and customizing label content.

- **Receipt Printing:** Suitable for POS cash register work, delivery services, food trucks, and outside sales.



Figure 11: Receipt printing applications. This image illustrates various business environments where the printer can be used for receipt printing, such as restaurants, retail, and mobile sales.

## 6. MAINTENANCE

### 6.1 Cleaning the Printer

Regular cleaning ensures optimal performance and extends the life of your printer.

- Turn off the printer and disconnect it from power before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or isopropyl alcohol to clean the exterior.
- Gently wipe the thermal print head with an alcohol swab. Allow it to dry completely before use.
- Remove any paper dust or debris from the paper path.

### 6.2 Battery Care

- Avoid fully discharging the battery frequently.
- If storing the printer for an extended period, charge the battery to about 50% and store in a cool, dry place.
- Recharge the battery every 3-6 months if not in use to prevent deep discharge.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Printer does not power on.	Battery is low or depleted.	Charge the printer using the provided USB-TYPE-C cable.
Cannot connect via Bluetooth.	Bluetooth is off on device; printer not in pairing mode; incorrect PIN.	Ensure Bluetooth is on. Restart printer and device. Try PIN "0000" or "1234". Check app settings.
Poor print quality or blank prints.	Paper loaded incorrectly; thermal head dirty; low battery; wrong paper type.	Reload paper correctly. Clean thermal head. Charge battery. Ensure thermal paper is used.
Printer not recognized by PC.	Drivers not installed; faulty USB cable; incorrect USB port.	Install drivers from CD or website. Try a different USB cable or port.
Cannot switch modes.	Incorrect menu navigation.	Follow instructions in Section 5.3 carefully.

If the problem persists, please contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model	WS-P323B
Printing Method	Direct Thermal
Printing Width	Label: 20-80 mm; Receipt: 58/80 mm
Paper Diameter (Roll)	Max 50 mm
Paper Thickness	0.06 mm - 0.254 mm
Resolution	203 DPI
Print Speed	70 mm/s
Media Type	Continuous paper, gap label, black mark label, receipt
Interface	USB + Bluetooth
Memory	8 MB Flash Memory / 8 MB SDRAM
Processor	32 bit CPU
Battery	2,500 mAh Lithium Ion
Power Output	DC 5V/2A
Working Environment	0-40°C, 10-90% RH
Storage Environment	-40-60°C, 10-90% RH
Weight	0.237 kg (237 g)
External Dimensions (L x W x H)	124 x 108 x 61 mm (4.9 x 4.2 x 2.4 inches)



Figure 12: Product dimensions diagram. This image provides a clear visual representation of the printer's length (124mm), width (108mm), and height (61mm).

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase documentation or visit the official Washin website. Keep your purchase receipt as proof of purchase.

**Customer Service:** Please refer to your purchase documentation for contact information.