

Xprinter XP420B

Xprinter XP-420B Direct Thermal Label Printer User Manual

Model: XP-420B

INTRODUCTION

This user manual provides comprehensive instructions for the Xprinter XP-420B USB+Bluetooth Direct Thermal Label Printer. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. The XP-420B is designed for efficient printing of 4x6 shipping labels, featuring a 203 DPI resolution and a printing speed of up to 152mm/s. It supports both USB and Bluetooth connectivity and is compatible with Windows and Mac operating systems.

SAFETY INFORMATION

- Always connect the printer to a grounded power outlet.
- Do not expose the printer to water or excessive humidity.
- Avoid placing the printer in direct sunlight or near heat sources.
- Use only recommended label types and sizes to prevent damage to the print head.
- Keep the printer away from children and pets.
- Unplug the printer from the power source before cleaning or performing maintenance.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- Xprinter XP-420B Thermal Label Printer
- Power Adapter and Cable
- USB Cable
- User Manual (this document)
- Label Spindle and Guides
- Sample Labels (may vary)

PRODUCT OVERVIEW

The Xprinter XP-420B is a compact and efficient direct thermal label printer. Below are key components and features:



Figure 1: Front view of the Xprinter XP-420B thermal label printer. This image shows the printer's sleek black design with the Xprinter logo on the front left and the feed button on the top right.



Figure 2: Top-down view of the Xprinter XP-420B printer, highlighting its USB and Bluetooth connectivity options. The image includes icons for Bluetooth and USB, indicating the printer's versatile connection capabilities.

Key Features:

- **High-Speed Printing:** Up to 152 mm (6 inches) per second.
- **High Resolution:** 203 dpi for clear and crisp prints.
- **Memory:** 8MB SDRAM and 8MB Flash for efficient processing.
- **Durable Design:** High-quality double-walled clamshell design.
- **Intelligent Print Head Control:** Ensures stable and consistent output.
- **Adjustable Label Size:** Supports various label sizes, including 4x6 inches.
- **Connectivity:** USB and Bluetooth interfaces.

SETUP

1. Physical Setup

1. **Connect Power:** Plug the power adapter into the printer's power port and then into a grounded electrical outlet.
2. **Load Labels:**
 - Open the printer's top cover by pressing the release latches on both sides.
 - Place the label roll onto the label spindle, ensuring the labels feed from the bottom.
 - Insert the spindle with the label roll into the printer's label compartment.
 - Pull the leading edge of the labels through the label guides until it extends slightly past the print head.
 - Adjust the label guides to fit snugly against the edges of the labels, without creasing them.
 - Close the top cover firmly until it clicks into place.
3. **Connect to Computer:**
 - **USB Connection:** Connect one end of the USB cable to the printer's USB port and the other end to an available USB port on your computer.
 - **Bluetooth Connection:** Ensure Bluetooth is enabled on your computer. The printer will be discoverable for pairing after it is powered on.

2. Driver Installation

For the printer to function correctly, you must install the appropriate drivers on your computer. Drivers are typically available on the manufacturer's website or included on a CD with the printer.

- **Windows:** Download the Windows driver from the Xprinter official website. Run the installer and follow the on-screen prompts. Select the XP-420B model during installation.
- **Mac:** Download the Mac driver from the Xprinter official website. Follow the installation instructions provided with the driver package.

After driver installation, it is recommended to perform a printer calibration. Press and hold the feed button on the printer until it prints a self-test page or calibrates the label gap.

OPERATING INSTRUCTIONS

1. Basic Printing

1. Ensure the printer is powered on and connected to your computer (via USB or Bluetooth).
2. Open the document or application from which you wish to print (e.g., a PDF label, shipping software).
3. Go to "File" > "Print" or click the print icon.
4. Select "Xprinter XP-420B" from the list of available printers.
5. Adjust print settings as needed, such as paper size (e.g., 4x6 inches), orientation, and print quality. Ensure the paper size matches your labels.
6. Click "Print".

2. Adjusting Label Size

The XP-420B supports adjustable label sizes. Ensure the label guides inside the printer are set correctly for your label width. For software settings, always match the label size in your printing application (e.g., Adobe Reader, shipping software) to the physical labels loaded in the printer.

3. Bluetooth Pairing (for Bluetooth models)

1. Turn on the printer.
2. On your computer or mobile device, go to Bluetooth settings.
3. Search for available devices. The printer should appear as "XP-420B" or similar.
4. Select the printer and initiate pairing. If prompted for a passcode, enter "0000" or "1234".
5. Once paired, you can select the printer for wireless printing.

MAINTENANCE

1. Cleaning the Print Head

Regular cleaning of the print head ensures optimal print quality and extends the life of your printer. Clean the print head after every 5-10 rolls of labels or if print quality degrades.

1. Turn off the printer and unplug the power cord.
2. Open the top cover of the printer.
3. Wait a few minutes for the print head to cool down if the printer has been recently used.
4. Gently wipe the print head surface with an alcohol swab (70% isopropyl alcohol) or a specialized thermal print head cleaning pen.
5. Allow the print head to dry completely (approximately 1-2 minutes) before closing the cover and powering on the printer.

2. General Care

- Keep the printer in a clean, dust-free environment.
- Avoid spilling liquids on the printer.
- Do not use abrasive cleaners or solvents on the printer's exterior. Use a soft, damp cloth for cleaning.
- Ensure proper ventilation around the printer.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Printer not responding / No power	Power cable loose; Power outlet faulty; Printer off.	Check power connections; Try a different outlet; Ensure printer is switched on.
Poor print quality / Faded prints	Dirty print head; Incorrect label type; Low print density setting.	Clean the print head (see Maintenance); Ensure you are using direct thermal labels; Adjust print density in printer settings.
Labels not feeding correctly / Paper jam	Labels loaded incorrectly; Label guides not adjusted; Label roll stuck.	Reload labels correctly; Adjust label guides to fit snugly; Remove any jammed labels carefully.
Printer not detected by computer	USB cable loose/faulty; Driver not installed or corrupted; Bluetooth not paired.	Check USB cable connection; Reinstall printer drivers; Re-pair Bluetooth device.

Problem	Possible Cause	Solution
Printer prints blank labels	Labels loaded upside down; Print head issue.	Ensure labels are loaded with the printable side facing up (usually the smoother side); Contact support if issue persists after cleaning.

SPECIFICATIONS

Feature	Detail
Model Number	XP420B
Printing Technology	Direct Thermal
Resolution	203 dpi
Max Print Speed	152 mm/s (6 inches/s)
Maximum Media Size	4 x 6 inch
Memory	8MB SDRAM, 8MB Flash
Connectivity	USB, Bluetooth
Item Weight	3 kg
Product Dimensions (LxWxH)	20 x 6 x 10 cm
Manufacturer	Xprinter

WARRANTY AND SUPPORT

Warranty Information

The Xprinter XP-420B comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or consumables like labels.

Please retain your purchase receipt as proof of purchase for warranty claims.

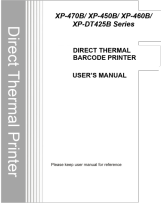
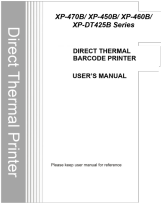
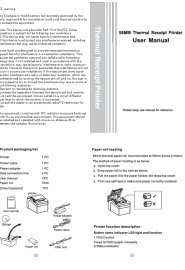

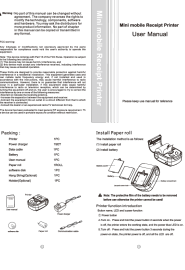
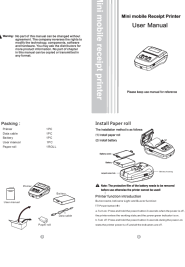
Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Xtech Solution, the authorized packer and importer:

- **Contact Number:** 022-23885466
- **Email:** xtechsupport1@gmail.com

When contacting support, please have your printer model (XP-420B) and purchase details ready.

Related Documents - XP420B

	<p>Xprinter XP-470B/XP-450B/XP-460B/XP-DT425B Series Direct Thermal Barcode Printer User Manual</p> <p>User manual for the Xprinter XP-470B, XP-450B, XP-460B, and XP-DT425B series direct thermal barcode printers. This guide covers setup, operation, maintenance, troubleshooting, and LED/button functions.</p>
	<p>Xprinter XP-470B/XP-450B/XP-460B/XP-DT425B Series Direct Thermal Barcode Printer User's Manual</p> <p>User's manual for the Xprinter XP-470B, XP-450B, XP-460B, and XP-DT425B series direct thermal barcode printers. This guide covers setup, operation, maintenance, troubleshooting, and advanced features for optimal performance.</p>
	<p>58MM Thermal Receipt Printer User Manual</p> <p>User manual for the 58MM Thermal Receipt Printer, detailing FCC compliance, product packaging, paper loading instructions, and printer function descriptions.</p>
	<p>Thermal Receipt Printer User Manual - Xprinter</p> <p>User manual for the Xprinter Thermal Receipt Printer, covering setup, operation, DIP switch functions, troubleshooting, and maintenance.</p>
	<p>Xprinter XP-P810 Mini Mobile Receipt Printer User Manual</p> <p>Comprehensive user manual for the Xprinter XP-P810 Mini Mobile Receipt Printer. Includes setup guide, operational instructions, maintenance tips, and troubleshooting advice for this portable thermal receipt printer.</p>
	<p>Mini Mobile Receipt Printer User Manual - XP-P501A</p> <p>User manual for the Mini Mobile Receipt Printer, model XP-P501A, detailing its features, installation, operation, maintenance, and compliance information.</p>