

COLORWING D520

COLORWING D520 Bluetooth Thermal Label Printer User Manual

Model: D520-BT

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your COLORWING D520 Bluetooth Thermal Label Printer. Please read this manual thoroughly before using the printer to ensure proper functionality and to maximize its lifespan. The COLORWING D520 is designed for efficient and clear printing of various thermal labels, supporting both Bluetooth and USB connectivity across multiple operating systems.

PRODUCT OVERVIEW

What's in the Box

Upon unboxing, verify that all components are present:

- COLORWING D520BT Thermal Label Printer
- A Roll of 4"x6" Shipping Labels
- User Manual (this document)
- Power Adapter & Cable
- USB Cord & Type C Converter

What Will You Get?

Comes with a Type-C adaptor for Mac laptops, and a Roll of 4X6 Labels for Your Business.



Image: Contents of the COLORWING D520BT printer box, including the printer, power adapter, USB cables, user guide, and a roll of labels.

Key Features

- **Thermal Printing Technology:** No ink or toner required.
- **High-Speed Printing:** Up to 72 labels per minute (150mm/s).
- **High Resolution:** 203 DPI for crisp and clear prints.
- **Versatile Connectivity:** Supports both Bluetooth and USB connections.
- **Wide Compatibility:** Works with iOS, Android, iPad, Windows (XP/7/8/10/11), Mac OS (10.0 and above), Chrome OS, and Linux.
- **Flexible Label Support:** Accommodates thermal labels from 1 inch to 4.6 inches in width, including roll and fanfold labels.
- **Built-in Paper Bin:** Designed to store label rolls internally for space-saving.
- **Auto Paper Return and Intelligent Self-Test:** Ensures smooth operation.

1. Initial Printer Setup

1. **Connect Power:** Plug the power adapter into the printer and then into a power outlet. The power indicator light should illuminate.
2. **Load Labels:**
 - **For Roll Labels:** Open the printer cover. Place the label roll into the internal paper bin, ensuring the labels feed from the bottom and face upwards. Adjust the label guides to fit the label width snugly. Close the cover.
 - **For Fanfold Labels:** Feed the fanfold labels through the rear slot of the printer, ensuring the print side faces up.



Image: Illustration showing how to load roll labels into the internal compartment of the printer.

3. **Automatic Label Calibration:** After loading labels and closing the cover, the printer will automatically detect the label size and calibrate. If it doesn't, press and hold the feed button until the printer emits a beep, then release.

2. Connecting to Your Device

USB Connection (Windows/Mac/Linux/Chrome OS)

1. **Connect USB Cable:** Connect one end of the USB cable to the printer and the other end to your computer. Use the Type-C converter if your Mac laptop requires it.
2. **Install Driver/App:**
 - For Windows/Mac/Linux/Chrome OS, download the appropriate driver or the "Labelife" desktop application from the official COLORWING support website.
 - Follow the on-screen instructions to complete the installation.
3. **Select Printer:** Once installed, your computer should recognize the COLORWING D520BT as an available printer. Select it from your printer list when printing.

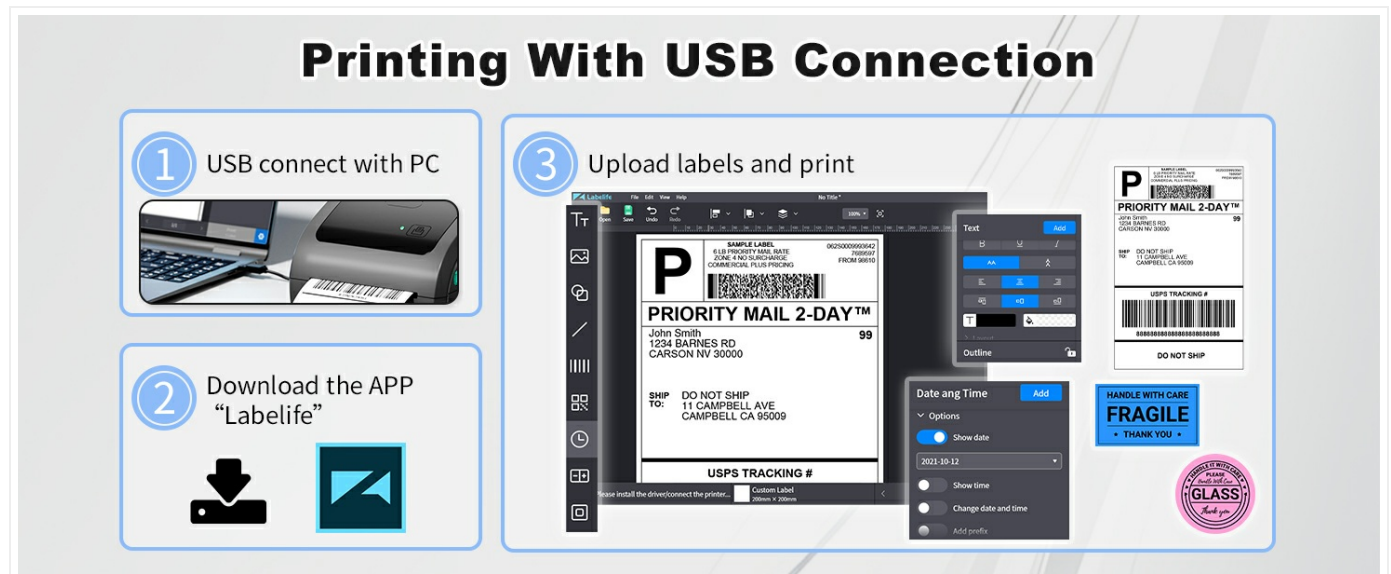


Image: The COLORWING D520BT printer connected to a laptop via USB, demonstrating the USB connection setup.

Bluetooth Connection (iOS/Android/iPad/Windows/Mac)

1. **Download "Labelife" App:** Scan the QR code provided in the quick start guide or search for "Labelife" in your device's app store (App Store for iOS, Google Play for Android).



Image: Visual guide for connecting the printer via Bluetooth using the Labelife app, showing app download, Bluetooth connection, and label upload steps.

2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your mobile device or computer.
3. **Open Labelife App:** Launch the "Labelife" application.

4. **Connect to Printer:** Within the app, navigate to the Bluetooth connection settings. Select "D520-BT" from the list of available devices to pair.
5. **Confirm Connection:** The app will indicate a successful connection.

OPERATION

Printing Labels

1. **Prepare Your Document:** Open the label file (e.g., PDF, image) you wish to print. Ensure the label size in your document matches the physical labels loaded in the printer.
2. **Select Printer:** In your application's print dialog, select "COLORWING D520BT" as your printer.
3. **Adjust Print Settings (if necessary):**
 - **Paper Size:** Confirm the paper size is set to 4x6 inches or the specific size of your labels.
 - **Orientation:** Adjust to Portrait or Landscape as needed.
 - **DPI/Quality:** For optimal clarity, ensure the print quality is set to 203 DPI.
4. **Print:** Initiate the print command. The printer will feed and print the label.

Prints Out Crisply And Clearly

203DPI

150mm/s

72labels/min



Image: The COLORWING D520BT printer actively printing a shipping label, highlighting its crisp and clear output at 203 DPI and high speed.

Supported Label Types and Sizes

The COLORWING D520BT supports a variety of thermal label types and sizes, ranging from 1 inch to 4.6 inches in width. This includes standard shipping labels, product labels, address labels, gift labels, and custom labels.

- Common sizes include: 4x6, 4x4, 4x3, 3x3, 3x2, 2.25x1.25, 2x2 inches.
- Supports both roll and fanfold thermal labels.

Compatible With Multiple Sizes Labels

Choose the right size label for your purpose



Image: An assortment of label sizes and shapes, including circular and rectangular, demonstrating the printer's compatibility with various label dimensions.

Compatible Shipping Platforms

The COLORWING D520BT is compatible with major shipping and e-commerce platforms, facilitating seamless label creation for your business operations.

- USPS, Amazon, eBay, Etsy, Shopify
- FedEx, DHL, J&T Express, UPS
- Endicia, Shipwire, Ninjavan, ShipWorks, XPS Ship, PayPal, Kerry, Easypost, Stamps.com, Shippo, Shipping Easy

Folding paper



Works Better With Labels In A Roll

Supports roll paper and folding paper loaded inside

Roll paper



Image: A collage of logos representing various shipping carriers and e-commerce platforms, indicating the printer's broad compatibility for label generation.

MAINTENANCE

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

- **Cleaning the Print Head:**

- Turn off the printer and unplug the power cord.
- Open the printer cover.
- Gently wipe the print head with an alcohol swab or a lint-free cloth dampened with isopropyl alcohol. Allow it to dry completely before closing the cover and powering on.

- **Cleaning the Roller:**

- With the printer off, use a damp cloth to wipe any dust or adhesive residue from the rubber roller.

- **Dust Removal:** Periodically wipe the exterior of the printer with a soft, dry cloth to remove dust.
- **Use Quality Labels:** Always use high-quality thermal labels to prevent damage to the print head and ensure clear prints.

TROUBLESHOOTING

This section addresses common issues you might encounter with your COLORWING D520BT printer.

Printer Not Responding / Not Printing

- **Check Power:** Ensure the printer is plugged in and powered on. The power indicator light should be illuminated.
- **Check Connections:**
 - **USB:** Verify the USB cable is securely connected to both the printer and the computer. Try a different USB port or cable.
 - **Bluetooth:** Ensure Bluetooth is enabled on your device and the printer is paired and connected within the "Labelife" app. Restart the app and try reconnecting.
- **Printer Driver/App:** Confirm that the correct printer driver is installed on your computer or that the "Labelife" app is properly installed and updated on your mobile device.
- **Printer Status:** Check for any error lights or messages on the printer or in the app.
- **Restart Devices:** Try restarting both the printer and your computer/mobile device.

Poor Print Quality (Faint, Blurry, Missing Lines)

- **Clean Print Head:** A dirty print head is a common cause of poor print quality. Refer to the "Maintenance" section for cleaning instructions.
- **Label Quality:** Ensure you are using high-quality thermal labels. Old or low-quality labels can result in faded or inconsistent prints.
- **Print Density Settings:** Adjust the print density settings in your printer preferences or the "Labelife" app. Increasing density can make prints darker.
- **Label Orientation:** Ensure the labels are loaded correctly with the print side facing the print head.

Labels Jamming or Not Feeding Correctly

- **Check Label Loading:** Ensure labels are loaded correctly and the label guides are adjusted to fit the label width without being too tight or too loose.
- **Clear Obstructions:** Open the printer cover and check for any jammed labels or debris inside the printer. Carefully remove any obstructions.
- **Label Type:** Verify that you are using thermal labels. Non-thermal labels will not print and may cause feeding issues.
- **Automatic Calibration:** Perform an automatic label calibration by pressing and holding the feed button until the printer beeps.

SPECIFICATIONS

Feature	Detail
Model Name	D520-BT

Printing Technology	Thermal
Connectivity Technology	Bluetooth, USB
Maximum Print Speed (Monochrome)	72 ppm (150mm/s)
Maximum Print Resolution	203 DPI
Maximum Media Size	4 x 6 inches
Supported Label Width	1 inch - 4.6 inches
Compatible Devices	Laptops, PC, Smartphones, Tablets
Controller Type	iOS, Android, iPad, Win XP/7/8/10/11, Win Surface with ARM CPU, MAC 10.0+, Chrome OS, Linux
Product Dimensions (D x W x H)	8.58" x 6.89" x 6.18"
Item Weight	2.42 pounds
Memory Storage Capacity	64 MB
Color	Grey

WARRANTY AND SUPPORT

Warranty Information

The COLORWING D520BT Thermal Label Printer comes with a **Lifetime Warranty**. This warranty covers manufacturing defects and ensures your product performs as expected under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact COLORWING customer support. Refer to the contact information provided on the official COLORWING website or in the packaging for the most up-to-date support channels.

Online resources, including FAQs and video tutorials, may also be available on the COLORWING support page to assist with common questions and setup procedures.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question