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> [NIIMBOT](#) /

> [NIIMBOT B21 Portable Thermal Label Printer User Manual](#)

NIIMBOT NB21-W

NIIMBOT B21 Portable Thermal Label Printer User Manual

Model: NB21-W | Brand: NIIMBOT

1. INTRODUCTION

The NIIMBOT B21 is a portable thermal label printer designed for various labeling needs, from home organization to small business applications. It supports label widths ranging from 20mm to 50mm (0.8-2 inches) with an effective printable width of 48mm. This device utilizes thermal printing technology, eliminating the need for ink or toner. It connects wirelessly via Bluetooth to smartphones (Android & iOS) and via USB to PCs (Windows 7/10).

2. WHAT'S IN THE BOX

Upon unboxing your NIIMBOT B21 Label Maker, you should find the following items:

- 1 x B21 Label Maker
- 1 x User Manual
- 1 x USB Cable
- 1 x Roll of 50x30mm Labels (230pcs/Roll)



Package Includes:

1* B21 label maker 1*User Manual 1*USB Cable
1*Roll Label Tape(50*30mm-230pcs)

Image: Contents of the NIIMBOT B21 Label Maker package.

3. SETUP

3.1. Powering On and Charging

The NIIMBOT B21 is equipped with a 1500mAh lithium battery. To power on, press and hold the power button for three seconds. The indicator light will illuminate. To charge the device, connect it using the provided USB Type-C cable.



Image: The NIIMBOT B21 Label Maker, highlighting its power button and compact size.

3.2. Loading Labels

Follow these steps to correctly load the label roll:

1. Press the lever on the side of the printer to open the label compartment.
2. Adjust the tape slot to accommodate your label roll size (20-50mm width).
3. Place the label roll into the compartment, ensuring the label tape extends upwards (facing up).
4. Close the label compartment, leaving a small portion of the label tape extending for smooth feeding.

For Better Printing Experience, Choose NIIMBOT labels



Image: Correct label loading procedure for the B21 printer.

3.3. App Installation and Connection

The NIIMBOT B21 can be controlled via the NIIMBOT app on your smartphone or a driver on your PC.

Smartphone Connection (Bluetooth)

1. Download the free NIIMBOT app from the App Store (iOS) or Google Play Store (Android).
2. Ensure your phone's Bluetooth is enabled.
3. Open the NIIMBOT app and select the B21 printer model to connect.
4. If prompted for a pairing code, enter 0000 or 1234.

Your browser does not support the video tag.

Video: Demonstrates connecting the NIIMBOT B21 printer to a smartphone via Bluetooth and printing a label.

PC Connection (USB)

For PC use, download the necessary driver from the official NIIMBOT website. The printer is compatible with Windows 7/10 (not compatible with Mac or iPad).

1. Visit the official NIIMBOT website to download the PC driver.
2. Install the driver on your Windows 7/10 PC.
3. Connect the NIIMBOT B21 to your PC using the provided USB cable.
4. Open the NIIMBOT desktop application and select the B21 printer model to connect.

Your browser does not support the video tag.

Video: Shows the process of connecting the NIIMBOT B21 printer to a PC and printing a label.

4. OPERATING INSTRUCTIONS

The NIIMBOT app offers extensive customization options for your labels:

- **Text:** Add custom text with over 30 fonts and multiple languages.
- **Icons & Borders:** Choose from 1500+ symbols and 100+ borders to enhance your labels.
- **Barcodes & QR Codes:** Generate and print barcodes and QR codes for product identification or information.
- **OCR Print:** Utilize Optical Character Recognition for quick text input.
- **Excel Import:** Import data from Excel for batch printing.
- **Image Printing:** Print images directly onto labels.

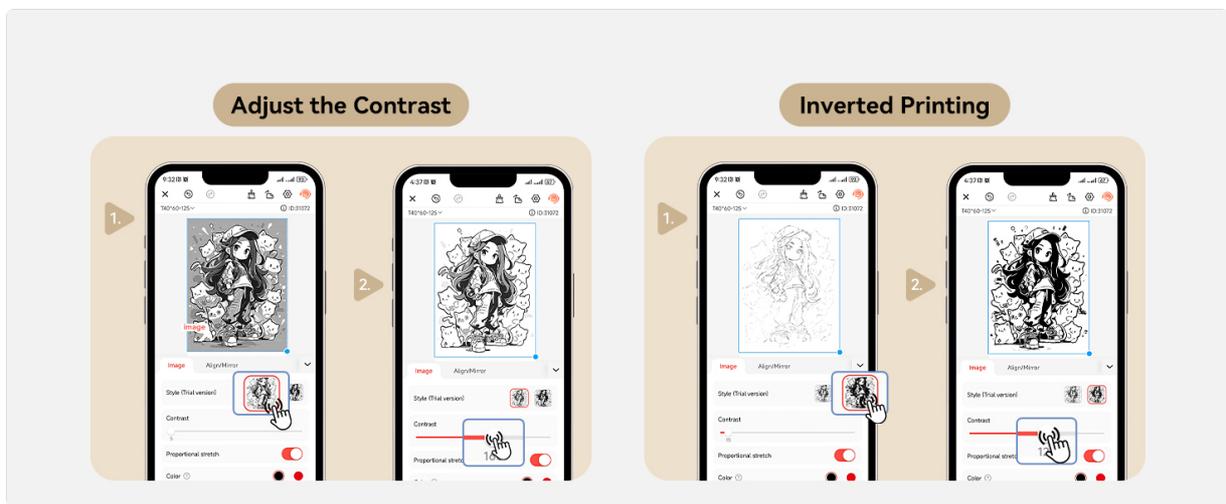


Image: The NIIMBOT app interface with various label design tools.

4.1. Creating and Printing Labels

1. Open the NIIMBOT app and ensure your printer is connected.
2. The app will automatically identify the loaded label type.
3. Select a template or create a new label from scratch.
4. Use the editing tools to add text, icons, barcodes, or images.
5. Adjust print density and number of copies as needed.
6. Click the 'Print' button to send your design to the printer.



Image: Easy steps for printing labels: Load paper, pair Bluetooth, then edit and print.

5. MAINTENANCE

5.1. Cleaning the Print Head

To ensure optimal print quality, regularly clean the print head. Use a soft, lint-free cloth lightly dampened with isopropyl alcohol. Gently wipe the print head surface. Allow it to dry completely before use.

5.2. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the device when the battery level is low. If storing the printer for an extended period, ensure it is partially charged (around 50%) and recharge every few months.

6. TROUBLESHOOTING

If you encounter issues with your NIIMBOT B21, consider the following common solutions:

- **No Power:** Ensure the device is charged. Connect it to a power source using the USB-C cable.
- **Connection Issues:** Verify Bluetooth is enabled on your smartphone or the USB cable is securely connected to your PC. Restart the app or printer if necessary.
- **Poor Print Quality:** Check if the label roll is loaded correctly (facing up). Clean the print head as described in the maintenance section. Ensure you are using genuine NIIMBOT labels for best results.
- **Labels Not Feeding:** Open the label compartment and ensure the roll is properly seated and the tape is extending correctly.
- **App Not Responding:** Close and reopen the NIIMBOT app. Ensure your device's operating system is up to date.

7. SPECIFICATIONS

Feature	Specification
Model Name	NB21-W
Brand	NIIMBOT
Printing Technology	Thermal
Connectivity Technology	Bluetooth, USB
Maximum Media Size	2 inch (20mm-50mm width)
Effective Printable Width	48mm
Maximum Black and White Print Resolution	203 dpi
Max Print Speed (Monochrome)	35 ppm
Battery Capacity	1500 mAh Lithium Battery
Item Weight	0.58 Kilograms (1.28 pounds)
Product Dimensions	2.3"D x 2.4"W x 5.1"H
Compatible Devices	Smartphone (Android & iOS), PC (Windows 7/10)

8. WARRANTY AND SUPPORT

The NIIMBOT B21 Label Maker comes with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official NIIMBOT website.

For technical support, troubleshooting assistance, or inquiries about replacement parts and accessories, please contact NIIMBOT customer service through their official website or the contact information provided in your product documentation.