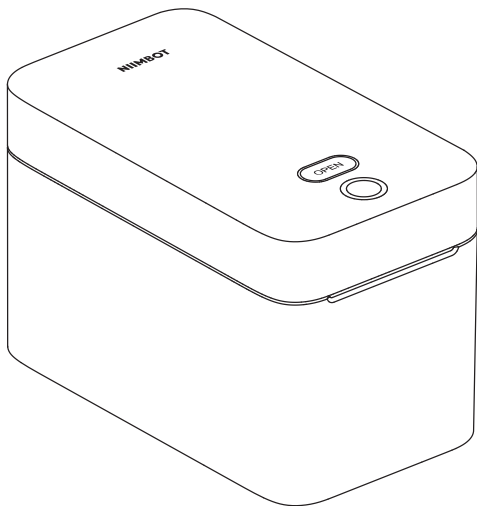


NIIMBOT

Product Manual

Smart Label Printer



NIIMBOT K2

Wuhan Jingchen Intelligent Identification Technology Co., Ltd.

Support Email : service@niimbot.com

Official Website : www.niimbot.com

Manufacturer's Address : No. 5, Creative Workshop, Creative World, Yezhihu West Road, Hongshan District, Wuhan, China

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Special Notes

Please purchase the version of the product that matches your region or country of use through the NIIMBOT official store or a NIIMBOT authorized sales agent. Purchasing the product from unauthorized channels may result in obtaining a counterfeit product or a product not adapted to your region or country of use which may lead to usage issues. In such cases, NIIMBOT may have limited ability to assist.

01

About this Product

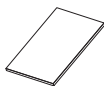
01-1 Package Contents



Smart Label Printer



Label Paper Roll
(Trial Pack)



Product Manual



Type-B USB Data Cable

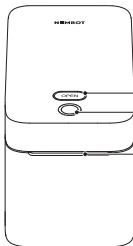


Adapter Plug



Power Adapter

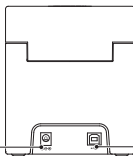
01-2 Product Overview



Open button

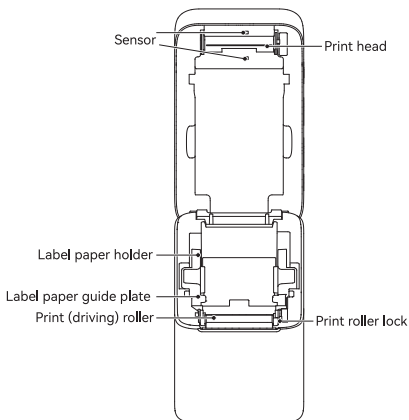
Function button

Paper outlet



Power plug

Type-B USB port



01-3 Button Functions

Name	Action	Function
Open button	Press	Opens the paper compartment
Function button	Tap	Feeds paper in standby mode Cancels the print task when printing
	Tap and hold	Powers the printer on or off
	Double tap	Prints the self-test page

01-4 Status Indicators

Color	Status	Description
-	Off	The printer is powered off
Blue	Solid	Printer is on but Bluetooth is not connected
	Flashing	Firmware upgrade in progress
Green	Solid	Printer is connected (green light will not illuminate with USB connection only)
	Slow flashing	Transmitting data
	Quick flashing	Printing
Red	Solid	Insufficient paper, compartment left open, stuck paper, etc. Refer to the "Troubleshooting" section

02

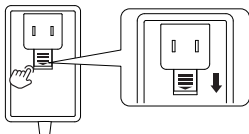
Operating Instructions

02-1 Switching the Adapter Plug

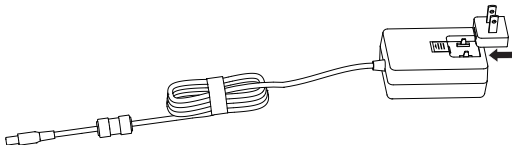
※ Note: The adapter plug may vary by sales region.



- ❶ Pull downward to release the plug; it will pop out automatically.

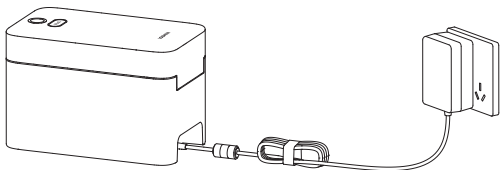


- ❷ Insert the new plug and press firmly until you hear a "click," indicating proper installation.



02-2 Connecting the Power Supply

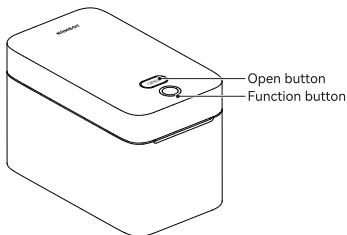
- 1 Connect the power cord to the printer's DC power socket.
- 2 Plug the other end of the power cord into an appropriate AC outlet.



※Note:

1. Always use the supplied power adapter to avoid damage to the product or safety hazards.
2. If the printer will not be used for prolonged periods, please unplug the power cable.

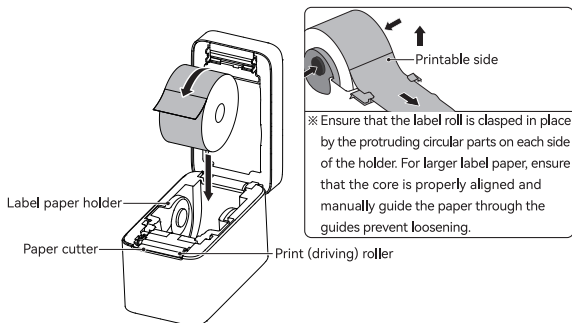
02-3 Installing Label Paper



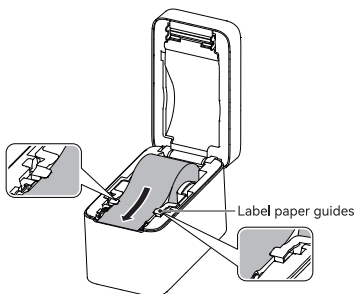
- 1 Face toward the front of the printer, press the "Open" button and lift the paper compartment cover.



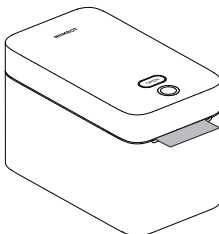
Note: Do not touch the paper cutter with your hands to avoid any injuries.



- ② Open the label roll holder and adjust the label roll so that the printable side faces up when passing through the print (driving) roller. Open the label guide plate, place the roll on the holder, and then release the guide plate. Ensure the label roll can rotate freely and is not placed at the bottom of the paper compartment.



- ③ Feed the label paper through the guides.



- ④ Close the paper compartment cover by pressing down until you hear a “click”. The printer will automatically calibrate the paper position (NIIMBOT label paper only), indicating successful label installation.

※ Notes:

1. Failing to feed the label paper through the guides may cause misalignment when printing.
2. Failing to pull the label paper out of the outlet slot may result in paper feed issues, preventing printing.

03

Printer Software

01.Downloading the Mobile App

To use this product, please download and install the NIIMBOT app from the Google Play or Apple store.



NIIMBOT
Design & Print APP
easy to download and use

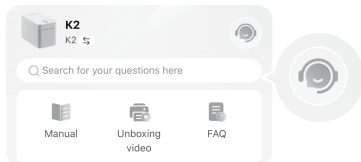


02.Downloading the PC App

Visit the official NIIMBOT website (www.niimbot.com), then navigate to the "Software Downloads" section. And install the PC version of the NIIMBOT app.

03.Help Center

For more video tutorials and frequently asked questions, visit the [My > Help Center] section in the app.



If you encounter any issues or questions that cannot be resolved on your own, you can log in to the app, go to My > Help Center, and click the "Customer Service" button to get further assistance.

03-1 Connecting the Printer

01.USB Connection

- ❶ The printer supports the following communication interface standard:
USB B-Type cable.
- ❷ Steps:
 - 1) Connect the USB cable to the USB port on the back of the printer.
 - 2) Power on the printer.

02.Bluetooth Connection

- ❶ Power on the printer.
- ❷ Open the NIIMBOT app.
- ❸ Follow the app instructions to connect the printer.

03-2 Windows Driver Installation

Visit the official NIIMBOT website (www.niimbot.com), then go to the software download page to download the universal printer driver.

04

Care and Maintenance

Regular maintenance is recommended in order to ensure proper functionality and extend the service life.

Note: Make sure to power off the power and disconnect the power adapter before cleaning. Unplugged the power adapter.

04-1 Cleaning the Exterior

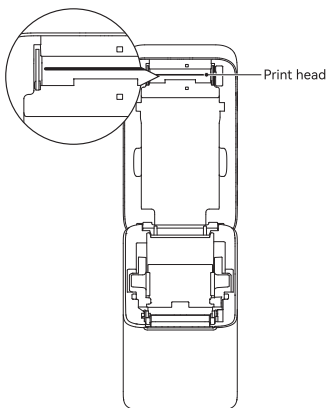
- ❶ Use a soft, dry cloth to wipe off any dust and stains on the printer.
 - ❷ For stubborn stains, slightly dampen the cloth before cleaning.
- ※ Note: Do not use paint thinners, benzene, alcohol, or any other organic solvents, as they may deform or damage the printer housing.

04-2 Cleaning the Print Head

- ❶ Turn off the printer before cleaning the print head.
 - ❷ Use a cleaning pen to wipe the black area of the print head, cleaning from the center outward. This helps move adhesive residue away from the print head edge and toward the outer part of the label paper path.
 - ❸ After cleaning, allow the printer to dry for one minute before closing the cover.
- ※ High-Temperature Warning: The print head heats up during operation. To prevent damage or injury, do not touch the print head.
- ESD Warning: Electrostatic discharge from human skin can damage the print head and other electronic components. Always follow anti-static procedures when handling the print head or electronic components beneath the printer cover. Print head and other electronic components of the printer. Be sure to

EN

comply with the anti-static procedures when handling the print head or electronic components in the paper compartment.



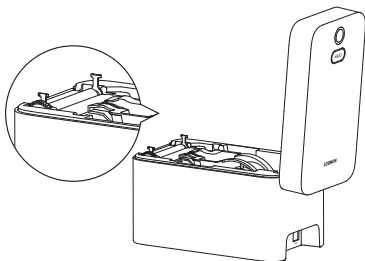
04-3 Cleaning the Sensor

- 1 Dust may accumulate on the sensor. Gently brush off the dust, or if necessary, use a dry cotton swab. For adhesive residue or other contaminants, use a cotton swab dipped in alcohol.
- 2 Use a dry cotton swab to remove any remaining residue.
- 3 Repeat steps 1 and 2 as needed until all residue and dirt are removed from the sensor. After cleaning, allow the printer to dry for one minute before closing the cover or inserting labels.

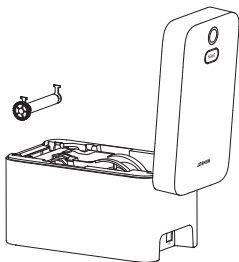
04-4 Cleaning and Replacing the Print Roller

- 1 Open the paper compartment cover and remove the label paper.

- 2 Pull the release tabs on both sides of the print roller bearings forward toward the front of the printer and rotate them upward.



- 3 Remove the print roller by lifting it upward from the printer's bottom bracket.



- 4 Use a cleaning swab dipped in alcohol or a lint-free cloth to clean the print roller, starting from the center and working outward. Repeat the process until the roller surface is thoroughly clean. For excessive sticky residue or persistent label blockages, use a new swab to repeat the cleaning process and remove any remaining dirt.

- 5 Place the print roller back into the bottom bracket of the printer.
- 6 Release the tabs on both sides of the print roller bearings, rotate them downward toward the back of the printer, and secure them in place.
- 7 Allow the printer to dry for one minute before closing the paper compartment cover or inserting labels.

05

Troubleshooting

01.Red Indicator Light Stays On

Possible Causes	Solutions
The paper compartment is not closed	Close the paper compartment
No label paper is loaded	Load the label paper. Refer to Label Paper Installation(P9-P11)
The label paper is not pulled out of the paper compartment	Pull the label paper out of the paper compartment and close the paper compartment
The print head temperature is too high	Stop printing. Allow the print head to cool down before resuming printing
A printing error occurred	Follow the in-app instructions

02.Printer Not Found via Bluetooth

Possible Causes	Solutions
The printer is not powered on	Connect to a power source and press the power button
Too many devices are already paired with the printer	Disconnect other Bluetooth devices and reconnect to the printer
Bluetooth is not enabled on your phone	Enable Bluetooth on your phone

03.Printer Not Found via USB Connection

Possible Causes	Solutions
The printer is not powered on	Connect to a power source and press the power button
The USB cable is not connected	Refer to USB Connection(P13)

04.Printer Fails to Print or Stops Printing

Possible Causes	Solutions
Power is off	Ensure the printer is powered on and properly connected
A paper feeding error occurred	Refer to Paper Feeding Faults(P20)
The USB cable has come loose	Verify that the USB cable is firmly plugged into both the printer and the computer or on the computer is not loose
Bluetooth connection is interrupted is broken	Make sure the Bluetooth connection between the app and the printer is working normally

05.Print Quality is Poor

Possible Causes	Solutions
The printing density is not set correctly	Adjust the printing density
The print head is dirty	Clean the print head Refer to Cleaning the Print Head. (P14-P17)
The print roller is dirty or damaged	Clean or replace the print head. Please refer to Cleaning and replacing the print roller. If you need to purchase consumables, please contact Customer Service

Possible Causes	Solutions
The print head is worn	Please contact Customer Service to replace the print head
Non-NIIMBOT label paper is used	We recommend that you use NIIMBOT label paper

06.Labels are Blank After Printing

Possible Causes	Solutions
Non-heat-sensitive label paper is used	Use heat-sensitive label paper
The label paper is not loaded correctly	The label paper must be loaded with the printing side facing up toward the print head. Refer to Label Paper Installation(P9-P11)

07.Paper Feeding Faults

Possible Causes	Solutions
The label paper is not loaded correctly	Refer to Label Paper Installation (P9-P11)
Paper jam	Open the paper compartment, pull the stuck paper out of the print roller and reload the paper
The label paper is used up	Replace the label paper with a new roll
The label type is set incorrectly	Make sure the label paper matches the type you selected in the app
Third-party label paper was installed without performing feed calibration,meaning the printer was unable to identify the type of label paper.	Perform feed calibration in the app ("Settings > Feed Calibration") and select the correct paper type. Ensure the print template uses the correct paper type. When editing the print template, make sure you select the correct paper type.

06

Product Parameters/Specifications

06-1 Printer Parameters

Parameters		NIIMBOT K2
Size	Dimensions	210*140*120 mm
	Weight	1158 g
Printing parameters	Printing method	Thermal
	Resolution	203 dpi
	Print speed	Max 127 mm/s
	Effective printing width	56 mm
	Print head service life	50 km
Communication interfaces	Bluetooth	5.2 dual-module Bluetooth
	USB	Type-B USB
Power supply	Power adapter	Input: 100–240 V, AC 50/60 Hz, Output: 12.0 V DC, 2.5 A
Consumables	Type	Die-cut label
	Width	20–60 mm
	Length	15–350 mm
	Thickness	0.08–0.20 mm

Parameters		NIIMBOT K2
Consumables	Paper roll diameter	Max 105 mm
	Paper roll internal diameter	25.4 mm, 40 mm
Programming language		JCPL
Software	Label design	NIIMBOT app (mobile and desktop)
	Driver	Windows 7, 10 and 11
Human-machine interaction	Button	Open button, Function button
	Indicator	Red, green and blue
Environment	Working environment	0–40°C, 10–85%, no condensation
	Storage environment	-10–60°C, 10–90%, no condensation

06-2 Label Paper

Note: We strongly recommend that you use official NIIMBOT consumables to ensure consistent, high-quality printing. Official label products are specifically designed to improve printer performance and prevent premature wear and tear of the print head.

01.Verifying Label Material

- ① Ordinary heat-sensitive labels can be scratched on the print surface using a fingernail or the cap of a pen.
- ② Official NIIMBOT heat-sensitive labels have improved anti-friction and water-proof performance.
- ③ Heat the label with a lighter and check whether black marks appear on the label.

Black marks on the label	Label material
Yes	Heat-sensitive paper. Compatible with this printer
No	Heat transfer paper. Carbon ribbons are required. Not compatible with this printer

02.Description of Label Types

Label Type	Feed Method	Description
Non-continuous roll paper	Gaps	Labels are separated by gaps
	Black marks	Labels are separated by pre-printed black marks on the back of the label paper
	Transparent	Labels are transparent and separated by gaps